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 NEW BODIBE COMMUNITY LIBRARY FOR THE DEPARTMENT OF ARTS, CULTURE, SPORT AND RECREATION, NORTH WEST PROVINCE

BID NO: DAC01NWER003/CON14

CLOSING DATE AND TIME: *27 OCTOBER 2026 @ 12H00*

Independent Development Trust

SCM / Technical Enquiries

E-mail: NWTenders@idt.org.za

Bidder:. . . . . .

CIDB Registration Number: :. . . . . .

CSD Registration Number:. . . . . .

COIDA / FEM / RMA Certificate Number:. . . . . .

CIPC Registration Number :. . . . . .

Contact Person: . . . . . .

Contact Details: . . . . . .

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THE WORKS

Part C3: Scope of Work

The scope of work entails additions, Renovations and Upgrading of the Existing boarding facilities,

Which will include the following:

- The scope of works comprises of the construction of Two (2) new buildings :
    - (1) Library
    - (2) Guard House
- The scope of work also comprises of external works
    - (1) demolitions of existing Ablutions,
    - (2) Upgrade and new water supply, soil drainage and stormwater management,
    - (3) New paving to parking,
    - (4) New walkways,
    - (5) Security Fencing (ClearVu)
    - (6) Covered Carports,
    - (7) Landscaping and Flag Poles
- The scope of work also comprises of Electrical and Mechanical installations.

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T1.1 BID NOTICE AND INVITATION TO BID

INDEPENDENT DEVELOLPMENT TRUST

T1.1 Bid Notice and Invitation to Bid

APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF NEW BODIBE COMMUNITY LIBRARY FOR THE DEPARTMENT OF ARTS, CULTURE, SPORT AND RECREATION, NORTH WEST PROVINCE

BID NUMBER: DACNWER003/CON14

CLOSING DATE AND TIME: *27 October 2026 @ 12H00*

The Independent Development Trust, invites bidders for the **APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF NEW BODIBE COMMUNITY LIBRARY FOR THE DEPARTMENT OF ARTS, CULTURE, SPORT AND RECREATION, NORTH WEST PROVINCE**

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

Documents will be available from the ***28 September 2026***

Tender documents must be downloaded from IDT website and National Treasury e-tender on the following link: http://www.idt.org.za/business opportunities/current-tenders ,and www.treasury.gov.za

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

Bid Administration Enquiries
E-mail: NWTenders@idt.org.za

Technical Enquiries
E-mail: NWTenders@idt.org.za
Technical Enquiries cut off date – 20 October 2026

Tender documents to be submitted at the tender box of the IDT office:

INDEPENDENT DEVELOPMENT TRUST (NORTH WEST OFFICES)
4071 Joules Street
Industrial Site
MAHIKENG
2745

A compulsory clarification meeting with representatives of the employer will take place on site at BODIBE VILLAGE IN THE NGAKA MODIRI MOLEMA DISTRICT OF THE NORTH WEST PROVINCE on **06 October 2026**.The central coordinates of the site are **26°03'37.1"S 25°51'39.4"E**. Tenderers must sign the attendance register in the name of the tendering entity.

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.

PLEASE NOTE THE FOLLOWING IMPORTANT DATES

- Compulsory Clarification Meeting (Site Briefing) Date**: 06 October 2026 @ 10H00**

- Bid Closing Date: **27 October 2026 @ 12H00**
- Requirements for sealing, addressing, delivery and assessment of tenders are stated in the Tender Data.

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.

1.1 MANDATORY ADMINSTRATIVE REQUIREMENTS/ DOCUMENTATION

1.1.1 Submission of fully completed and signed Invitation to Bid (SBD 1).
1.1.2 Submission of fully completed and signed Bidder's Disclosure (SBD 4).
1.1.3 Submission of fully completed and signed Preference Points Claim Form in terms of the Preferential Procurement Regulations 2022 (SBD 6.1).

The IDT reserves the right to request information or documentation in accordance with the provisions of the Promotion of Administrative Justice Act (PAJA).

1.2 MANDATORY COMPULSORY REQUIREMENTS/ DOCUMENTATION

1.2.1 Letter of Authority for signatory and / or Board / company resolution
1.2.2 The bidder must be registered with CIDB and provide CIDB number – Grade 8GB or higher (JV's to hold a consolidated CIDB Grading, which equates to the required grading).
1.2.3 The bidder must provide a valid letter of good standing from Department of Labour (COIDA) or FEM certificate. (If JV, all partners must submit COIDA or FEM Certificates)
1.2.4 The bidder must be registered with CIPC Company Incorporation Property Commission and provide source of verification (in the case of JV each company must be registered with CIPC).
1.2.5 The bidder must be registered on Central Supplier Database (CSD) and provide MAAA Number to verify registration) before submitting the bid.
1.2.6 Attendance to the compulsory site briefing meeting - Briefing session attendance register must be signed at Briefing Meeting
1.2.7 The Form of Offer must be fully completed, signed and witnessed in the tender document.
1.2.8 The Bill of Quantities (BOQ) must be submitted in its entirety. All applicable items must be priced, and any non-applicable items must be clearly indicated as "Not Applicable (N/A)"
1.2.9 Joint Venture (JV) agreement, if applicable, must be signed by all parties of the JV.
1.2.10 The bidder must provide proof of active professional registration as PrCPM/PrCM with SACPCMP for the person that will be assigned to play a role of a construction manager for this project.
1.2.11 The bidder must provide proof of active professional registration as professional occupational health and safety with SACPCMP as CHSO, CHSM or CHSA for the person that will be assigned to play the role of health and safety officer for this project.
1.2.12 Confirmation of Receipt of Addenda to Bid Documents, if applicable

Note: (i) Failure to submit any of the above documents / requirements shall result in disqualification of the bid.
(i) If any of the Directors are in the Employment of the State, the Regulation 13(c) of the

Public Service Regulations, 2016 provides that an employee shall not conduct business with any organ of state or be a director of a public or private company conducting business with an organ of state unless such employee is in an official capacity a director of a company listed in schedule 2 and 3 of the Public Finance Management Act. In alignment with Directive on conducting business with an organ of state issued by the minister of Public Service and Administration - 21 February 2024.

(ii) If the bidder is listed on National Treasury List of Restricted Suppliers shall result in disqualification of the bid.

(iii) If any of its Directors are Listed on the Register of Defaulters shall result in disqualification of the bid.

Tax Compliance Status is a mandatory requirement if the bidder is recommended for award.

- The bidder must provide its Tax Compliance Letter with the unique pin for verification.

In accordance with National Treasury Instruction No. 9 of 2017/18, the IDT will verify the tax compliance status of the recommended bidder prior to the award of the Bid.

Where the recommended bidder is found to be non-compliant with its tax obligations, the IDT will notify the bidder in writing of its non-compliant status and afford the bidder seven (7) working days to submit written proof from the South African Revenue Service (SARS) confirming its tax compliance status, or written proof that the bidder has made an arrangement with SARS to meet its outstanding tax obligations.

The bidder's tax compliance status or proof of such arrangement will be verified by the IDT through the applicable SARS/eFiling or Central Supplier Database (CSD) verification process.

Should the recommended bidder fail to provide the required written proof within the stipulated seven (7) working days, the IDT will reject the Bid.

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

Phase 2: Functionality criteria

Phase 2 entails the process of the evaluation of functionality, technical requirements. Only Bidders who meet the threshold of 70% (70 Points) or above the total functionality, quality points will be eligible to be evaluated under phase 3. The table below specifies in the functionality, technical criteria to be considered under the evaluation.

Criteria	**Maximum 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.	15 points
Qualifications, Skills and Experience of project key resources	35 points
Financial Viability	15 points
Total	**100 points**

In Addition to achieving the overall minimum qualifying score for functionality, Bidders shall be required to achieve the minimum threshold stipulated for each critical evaluation criterion. Failure to achieve the minimum threshold in any criterion shall

render the Bid non-responsive for functionality purposes.

Criteria	Maximum Points Allocation	Minimum Points
Relevant Previous Experience	35 points	17 points
Signed and stamped client references	15 points	6 points
Qualifications, Skills and Experience of project key resources	35 points	20 points
Financial Viability	15 points	10 points

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

Supporting Documents Required

- Particulars of Tender's Projects (Appointment letters and completion certificates)
- Schedule of Tenderer's References
- CV of Key Personnel including the OHS
- Copies of Certificates/qualifications (certified copies not older than 6 Months)
- 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—

The 90/10 Preferential Point System will be applied, where 80 points will be allocated for price and 20 points for specific goals. The 80/20 system will be used since the estimated value for this project is above the R50 000 000 (all applicable taxes included).

(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 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)	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 Ownership	4	
Total points for Price and SPECIFIC GOALS	**100**	

Source Documents to be submitted with the Tender:

In order to claim and be awarded points, the following source documents must be submitted with the bid. Failure to submit any of the below source documents will lead to zero point allocation.

- CIPC Document (Company Registration Document will be required for verification (CIPC DOC) and share certificate if ownership certificate is not indicated on the CIPC)
- Woman (Originally Certified ID Document not older than 6 months)
- Youth (Originally Certified ID Document not older than 6 months)
- People with Disability (Letter from the Dr. Confirming the Disability signed with verifiable contact details)
- Black Ownership (Originally Certified ID Document not older than 6 months)

CSD full report will be used in support of the above mentioned documentation to verify specific goals

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.** 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:

All SCM and Technical enquiries relating to this bid must be directed in writing to ***NWTenders@idt.org.za*** during office hours (08h30 – 17h00) weekdays.

Enquiries will be accepted until the ***20 October 2026.*** No Verbal or telephonic queries will be attended to. Any attempt to verbally contact the IDT's Agent or IDT's employee to influence outcome of this tender will lead to disqualification.

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)

The bid closing date is ***27 October 2026 @ 12h00*** and bids shall be submitted in the tender box at IDT's North West Regional Office;

4071 Joules Street
Industrial Site
Mahikeng
2735

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 NEW BODIBE COMMUNITY LIBRARY FOR THE DEPARTMENT OF ARTS, CULTURE, SPORT AND RECREATION, 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) 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 NEW BODIBE COMMUNITY LIBRARY FOR THE DEPARTMENT OF ARTS, CULTURE, SPORT AND RECREATION, NORTH WEST PROVINCE .– BID NUMBER: DAC01NWER003/CON14
F.1.1	The employer is the **Independent Development Trust on behalf of the Department: Arts, Culture, Spots and Recreation, North West Province.**
F.1.2	The bid documents issued by the employer comprises: **THE BID** **Part T1: Bidding procedures** T1.1 Bid notice and invitation to bid T1.2 Bid data **Part T2: Returnable documents** T2.1 List of returnable documents T2.2 Returnable schedules **THE CONTRACT** **Part C1: Agreements and contract data** C1.1 Form of offer and acceptance C1.2 Contract data C1.3 Form of Guarantee C1.4 Adjudicator's agreement C1.5 Agreement in terms of Occupational Health and Safety C1.6 Waiver of Lien **Part C2: Pricing data** C2.1 Pricing instructions C2.2 Bills of quantities **Part C3: Scope of work** C3 Scope of work

	Part C4: Site Information C4 Site Information This tender applies to both the (a) Skills Development Standard and the (b) Indirect Targeting Standard. Although in the case of these two standards there are no returnable documents, tenderers are sensitized that the proforma documents as listed below, shall be completed by the successful contractor after award of the contract within the stipulated period. (The proforma documents are provided in the tender data for information purposes only). Form A 1 List of recognized Skills Development Agencies, Form A 2 Baseline Training Plan, Form A 3 Project Interim Report, Form A 4 Supervisor Agreement, Form A 5 Project Completion Report. (Skills Development Standards) Project Interim Report, Project Completion Report and Declaration. (Indirect Targeting Standards) **Addendum to the Contract** **Annexures** **Annexure A: Architectural Drawings** **Annexure B: Electrical Specifications & Drawings** **Annexure C: Civil and Structural Drawings**
F.1.4	The employer's agent is: **ISAGO ARCHITECTURE** **Mr. Lunghile Mhlongo** 21 Emerald Street, Riviera Park Mahikeng, 2745, Tel: E- mail: lunghile@isago.co.za
F.2.1 F.2.1.1 F.2.1.1.1	**Eligibility** 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 Arts, Sports, Culture and Recreation Only bidders, who meet the following requirements will be eligible for further evaluation. **1.1. MANDATORY ADMINSTRATIVE REQUIREMENTS/ DOCUMENTATION** 1.1.1 Submission of fully completed and signed Invitation to Bid (SBD 1). 1.1.2 Submission of fully completed and signed Bidder's Disclosure (SBD 4). 1.1.3 Submission of fully completed and signed Preference Points Claim Form in terms of the Preferential Procurement Regulations 2022 (SBD 6.1). 1.1.4 Confirmation of Receipt of Addenda to Bid Documents, if applicable The IDT reserves the right to request information or documentation in accordance with the provisions of the Promotion of Administrative Justice Act (PAJA). **1.2. MANDATORY COMPULSORY REQUIREMENTS/ DOCUMENTATION** **1.2.1** Letter of Authority for signatory and / or Board / company resolution. **1.2.2** The bidder must be registered with CIDB and provide CIDB number – Grade 7GB or higher (JV's to hold a consolidated CIDB Grading, which equates to the required grading). **1.2.3** The bidder must provide a valid letter of good standing from Department of Labour (COIDA) or FEM certificate. (If JV, all partners must submit COIDA or FEM Certificates) **1.2.4** The bidder must be registered with CIPC Company Incorporation Property Commission and provide source of verification (in the case of JV each company must be registered with CIPC). **1.2.5** The bidder must be registered on Central Supplier Database (CSD) and provide MAAA Number to verify registration) before submitting the bid. **1.2.6** Attendance to the compulsory site briefing meeting - Briefing session attendance register

must be signed at Briefing Meeting.

1.2.7 The Form of Offer must be fully completed, signed and witnessed in the tender document.

1.2.8 The Bill of Quantities must be completed and priced

1.2.9 Joint Venture (JV) agreement, **if applicable,** must be signed by all parties of the JV

1.2.10 Acknowledgement of Addenda to Tender Documents (if applicable) The bidder must provide proof of active professional registration as PrCPM/PrCM with SACPCMP for the person that will be assigned to play a role of a construction manager for this project.

1.2.11 The bidder must provide proof of active professional registration as professional occupational health and safety with SACPCMP as CHSO, CHSM or CHSA for the person that will be assigned to play a role of health and safety officer for this project.

Notes:

(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, the Regulation 13(c) of the Public Service Regulations, 2016 provides that an employee shall not conduct business with any organ of state or be a director of a public or private company conducting business with an organ of state unless such employee is in an official capacity a director of a company listed in schedule 2 and 3 of the Public Finance Management Act. In alignment with Directive on conducting business with an organ of state issued by the minister of Public Service and Administration - 21 February 2024.

(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.

Tax Compliance Status is a mandatory requirement if the bidder is recommended for award.

- The bidder must provide it's Tax Compliance Letter with the unique pin for verification.

In accordance with National Treasury Instruction No. 9 of 2017/18, the IDT will verify the tax compliance status of the recommended bidder prior to the award of the Bid.

Where the recommended bidder is found to be non-compliant with its tax obligations, the IDT will notify the bidder in writing of its non-compliant status and afford the bidder within seven (7) working days to submit written proof from the South African Revenue Service (SARS) confirming its tax compliance status, or written proof that the bidder has made an arrangement with SARS to meet its outstanding tax obligations.

The bidder's tax compliance status or proof of such arrangement will be verified by the IDT through the applicable SARS/eFiling or Central Supplier Database (CSD) verification process.

Should the recommended bidder fail to provide the required written proof within the stipulated sever (7) working days, the IDT will reject the Bid.

F.2.1.1.2

CIDB Grading

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 **Grade 7GB** class of construction work.

Joint ventures are eligible and preferred with particular reference to local participation and as such submit tenders provided that:

1. every member of the joint venture is registered with the CIDB;
2. the lead partner has a contractor grading designation in the **Grade 7GB** or Higher class of construction work; and
3. the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to **7GB** contractor grading designation determined in accordance with the sum tendered for a **(GB) General Building** class of construction work

F.2.1.1.3	**Key Personnel** 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 ofthe 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. Individuals must be identified for each of the key personnel listed on the "Key Personnel" schedule, Part T2.2: Returnable Schedules. 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.
F.2.6	**Acknowledge addenda** 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 form evaluation. This is due to incomparability of offers with the rest of the bidders
F.2.7	**Clarification Meeting** A compulsory site briefing / clarification meeting will be held on **06 October 2026 at 10h00 at Bodibe Village**. The GPS coordinates are **26°03'37.1"S 25°51'39.4"E.** Bidders shall sign the attendance register in the name of the bidding entity. Addenda if any will be issued to bidders appearing on the attendance register. **Note:** Bidders are advised to allow enough travelling time to the briefing meeting.
F.2.8	**Seek clarification** Bidders can request clarification of the bid documents, if necessary, by notifying the employer in writing to NWTenders@idt.org.za during office hours (08h30 – 17h00) weekdays at least 5 (five) working days before the closing time and date stated in F.2.15.
F2.9	**Insurances** Refer to contract data for insurance requirements. (Refer to Section C1.2)
F.2.11	**Alterations to documents** 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. All signatories to the bid offer shall initial all such alterations. Erasures and the use of masking fluid are prohibited.

Clause number	BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF NEW BODIBE COMMUNITY LIBRARY FOR THE DEPARTMENT OF ARTS, CULTURE, SPORT AND RECREATION, NORTH WEST PROVINCE .– BID NUMBER: DAC01NWER003
F.2.12	**Alternative Bid Offers** No alternative tender offers will be considered.
F.2.13	**Submitting a Bid Offer**
F.2.13.4	The bidder will sign the original of the bid offer.
F2.13.5	The bidder must submit tender offer in a sealed envelope. (Clearly marked **APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF NEW BODIBE COMMUNITY LIBRARY FOR THE DEPARTMENT OF ARTS, CULTURE, SPORT AND RECREATION, NORTH WEST PROVINCE .– BID NUMBER: DAC01NWER003/CON14** 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). 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.
F.2.13.6	Two-envelope system **–** not applicable
F.2.13.7	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: Employer's address: **North West Regional Office** **4071 Joules Street** **Industrial Site** **Mahikeng** **2735**
F.2.13.9	Identification details: **Tender No: DAC01NWER003** **Description: APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF NEW BODIBE COMMUNITY LIBRARY FOR THE DEPARTMENT OF ARTS, CULTURE, SPORT AND RECREATION, NORTH WEST PROVINCE** 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.

Clause number	BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF NEW BODIBE COMMUNITY LIBRARY FOR THE DEPARTMENT OF ARTS, CULTURE, SPORT AND RECREATION, NORTH WEST PROVINCE .– BID NUMBER: DAC01NWER003/CON14
F.2.15 F.2.15.1	**Closing Time of Tender** The closing time for submission of tender offers is by no later than ***27 October 2026*** **a 12h00.** **Location of tender box:** **North West Regional Office** **4071 Joules Street** **Industrial Site** **Mahikeng** **2735** Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted.
F.2.16 F.2.16.1	**Tender Offer Validity** The bidder is required to hold the bid offer valid for a period of **120 calendar days** *(from the bid closingdate)*
F.2.19	**Inspections, Tests and Analysis** Access shall be provided for inspections, tests and analysis as may be required by the employer.
F.2.23	**Certificates** The bidder is required to submit with his tender a Contractor Registration number issued by the Construction Industry Development Board (CIDB). The bidder is required to submit with his tender the MAAA Number to verify registration with the Central Supplier Database (CSD). The bidder is required to submit with his tender professional registration certificates for the key personnel requested.
F3.5	Two-envelope system **– not applicable**
F.3.1	**Evaluation of Tender Offers** The procedure for the evaluation of a responsive tender will be in terms of the Preferential Procurement Regulations 2022 on a 80/20 or 90/10 preference point system.
F.3.11.3	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.

Clause number	BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE CONSTRUCTION OF NEW BODIBE COMMUNITY LIBRARY FOR THE DEPARTMENT OF ARTS, CULTURE, SPORT AND RECREATION, NORTH WEST PROVINCE .– BID NUMBER: DAC01NWER003/CON14
F.3.11.8	**Scoring Preference** **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 Ownership	4	

Source Documents to be submitted with the Tender:
In order to claim and be awarded points, the following source documents must be submitted with the bid. Failure to submit any of the below source documents will lead to zero point allocation.

- CIPC Document (Company Registration Document will be required for verification (CIPC DOC) and share certificate if ownership certificate is not indicated on the CIPC)
- Woman (Originally Certified ID Document not older than 6 months)
- Youth (Originally Certified ID Document not older than 6 months)
- People with Disability (Letter from the Dr. Confirming the Disability signed with verifiable contact details)
- Black Ownership (Originally Certified ID Document not older than 6 months)

CSD full report will be used in support of the above mentioned documentation to verify specific goals

F.3.11.9 The quality criteria and maximum score in respect of each of the criteria are as follows:

Criteria	Maximum Points Allocation	Minimum Points
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	17 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.	15 points	6 points
Qualifications, Skills and Experience of project key resources	35 points	20 points
Financial Viability	15 points	10 points
Total	**100 points**	
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 and sanitation projects, Transport Projects, Traffic Engineering Projects and all Electrical & Mechanical Engineering projects, RDP)

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 & above – Tender Value Above R20 000 000	Similar Completed projects (as per CIDB level 6GB – Tender Value Limit between R 10 000 001 to R 20 000 000	Similar Completed projects (as per CIDB level 5GB – Tender Value Limit between R 6 000 001 to R 10 000 000)	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
Points	**35**	**25**	**15**	**0**

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

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

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

B. SIGNED CLIENT REFERENCES ON THE SAME PROJECTS LISTED ABOVE (BOTH CLIENT & CLIENT REPRESENTATIVE). OR SIGNED WITH CONTACTABLE REFERENCE LETTERS FROM PREVIOUS CLIENTS (15 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 client references in the forms supplied in this document
or
ii. Favorable client reference letter on their letterhead

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

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

Projects	Overall Assessment by Client			
	Poor	Average	Good	Excellent
Project 1	0	1	2	3
Project 2	0	1	2	3
Project 3	0	1	2	3
Project 4	0	1	2	3
Project 5	0	1	2	3
Total Number of Points	**0**	**5**	**10**	**15**

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

Points allocated for required

i. competencies,
ii. qualifications (i.e degree or diploma)
iii. submission of CV's
iv. submission of relevant certified (not older than 6 months) evidence of qualifications and certificates of allocated Required Key Project Resources.
v. Professional registration within the built environment.

NOTE: Points allocation with submission of all required documentation will be rounded off to thenearest lowest number

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

Category	Professional Registration (7 points)	Qualification within the Built Environment (5 points)			Years of experience within the BuiltEnvironment (16 points)			
	(Related to Building works, SACPCMP, SACQSP, SACAP, ECSA	Degree or higher	Diploma	National Certificate or similar	10 or above years	5 - 9 years	1 - 4 years	< 1 year
Project / Contract Manager	7	2	1	1	7	5	3	1
Site Agent	Not required	2	2	1	5	4	3	1
Foreman	Not required	1	1	1	4	4	3	1
Total Points	**7**	**5**	**4**	**3**	**16**	**13**	**9**	**3**

Evaluation points will be awarded in terms of the following table B (7 points):

Category	Description	Points
Health and Safety Resource	Professional Registration with SACPCMP (Mandatory)	7
	No submission	0

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.

D. FINANCIAL VIABILITY (15 POINTS):

Points are allocated to contractors who provide at least one of the following verifiable documents:

Description	Points
Recent audited annual financial statements Not older than 12 months with Cash & Cash Equivalent of R5 Million or above signed by an accountant and company Director	**15**
Recent audited annual financial statements Not older than 12 months with Cash & Cash Equivalent of R3 Million or above signed by an accountant and company Director	**10**
Non-Submission: thresholds lower than above	**0**

NOTE: 15 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.

Quality Formula	WQ=W2 x So/Ms	Formula used to calculate Functionality points	
	W2 =Total evaluation points for functionality as per Scorecard		
	So = Functionality points allocated to the bidder under consideration		
	Ms =Maximum possible score for functionality in respect of a submission		
Minimum points to be scored for Functionality is 70%			
FINANCIAL OFFER/PRICE	**80/90**	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	
	80/90		

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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F.3.13	**Acceptance of Bid Offers**
F.3.13.1	Bid offers will only be accepted if: a) the bidder has submitted an original valid Tax Clearance Certificate issued by the South African Revenue Services; b) the bidder is registered with the Construction Industry Development Board in an appropriate contractor grading designation; 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; d) the bidder has not: i) abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract and has been given a written notice to this effect; 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; 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 . g) the bidder has submitted the CIPRO documentation and certified copies of ID's for all directors; h) the bidder completed, signed and witnessed form of offer; i) the bidder is in good standing with Compensation for Occupational Injuries and Disease Act (COIDA) / FEM j) the bidder has submitted a fully priced Bill of Quantities; k) The bidder attended a compulsory briefing session and completed attendance register or certificate of attendance is signed by the representative of the Employer. 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. M) The bidder and all its directors are South African Citizens **(For National Key Point Projects).**

F.3.14	**Notice to Unsuccessful Bidders** Should bidders not hear from the IDT within one hundred and twenty (120) 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.
F.3.18	**Provide Copies of the Contract** The number of paper copies of the signed contract to be provided by the employer is one.
	The additional conditions of bid are: 1 The employer is not obliged to accept the lowest or any bid.

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.

F2.10.2 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 proofof 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.2.19 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 drewprocurement 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	**Qualitative interpretation of goal**
Fair	The process of offer and acceptance is conducted impartially without bias, providing simultaneous and timely access to participating parties to the same information.
Equitable	Terms and conditions for performing the work do not unfairly prejudice the interests of the parties.
Transparent	The only grounds for not awarding a contract to a tenderer who satisfies all requirements are restrictions from doing business with the employer, lack of capability or capacity, legal impediments and conflicts of interest.
Competitive	The system provides for appropriate levels of competition to ensure cost effective and best value outcomes.

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

F.3.12 Insurance provided by the employer

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

F.3.13 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.3.14 Prepare contract documents

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

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

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

F.3.15 Complete adjudicator's contract

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

F.3.16 Registration of the award

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

F.3.17 Provide copies of the contracts

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

F.3.18 Provide written reasons for actions taken

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

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 | √

Tenderers are advised that this offer shall **be subject to Contract Price Adjustment Formulae based on the Haylett Formulae.**

Fixed Price Offer | **N/A**

Tenderers are advised that all rates, amounts, overhead and profit percentage mark-ups and amounts, profit and attendance amounts, prices, etc. submitted, shall **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:

FINANCIAL YEAR
01 APRIL 2026 TO 31 MARCH 2027
01 APRIL 2027 TO 31 MARCH 2028

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.
Proposed domestic sub-contractors shall take part in the work set aside for 30% Local Participation if possible i

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 IDT 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, not 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 Nietverdiend Combined 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 week's 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.

Purpose of the Job:	The primary role of the CLO shall be liaison and facilitation of communication between the Contractor, the Local community and the Ward Councilor.
Job title:	Community Liaison Officer (CLO)
Reporting to:	The Contracts Manager or other delegated representative of the Contractor. The CLO must report to **the Contractor** and remain on site on a daily**.**
Experience:	Relevant experience and knowledge of building construction, community facilitation and relevant labour legislation.
Remuneration:	Rate payable for the CLO will be 100% of the Building Industry minimum wage for unskilled labour.
Minimum Skills:	1. Ability to work with others; 2. Ability to communicate in local language of the project location and English; 3. Ability to communicate in writing; 4. Sound Interpretation skill.

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 endeavour not to take sides should conflict arise.
- Should the CLO function not involve a full days 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.

F.4.42 Contract Skills Development Goal (CSDG)

The contractor shall achieve in the performance of the contract the Contract Skills Development Goal (CSDG) established in the Standard for Developing Skills through Infrastructure Contracts (Government Gazette, Vol. 694, No. 48491, 28 April 2023), hereinafter referred to as the Standard.

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 PPPFA, Procurement Regulations 2022 (SBD 6.1)	
T2.1.3	Central Supplier Database (CSD) and provide MAAA Number	
T2.1.4	Tax Letter with unique PIN	
T2.1.5	Joint Venture Agreement Between Parties	
T2.1.6	Contractors copy of Company Registration Incorporation	
T2.1.7	CIDB Registration Number	
T2.1.8	Letter of Good standing with Compensation For OccupationalAnd Injuries Dieses Act (COIDA/FEM) Registration Number	
T2.1.9	Company Compulsory Enterprise Questionnaire	
T2.1.10	Bidders disclosure (SBD 4)	
T2.1.11	Attendance at Compulsory Briefing	
T2.1.12	Authority for signatory	
T2.1.13	Addenda to The Tender Documents	
T2.1.14	Tenderers financial standing	
T2.1.15	Amendments, Qualifications and Ternatives	
T2.1.16	Socio economic upliftment strategy	
T2.1.17	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	
T2.2.2	Project Experience
T2.2.3	Letters of Appointment, and Relevant Completion Certificates (Practical Completion, Work Completion & Final Completion)
T2.2.4	Client references
T2.2.5	Key Personnel
T2.2.6	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 SBD1

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (*North West Department of Education*)						
BID NUMBER:	DAC01NWER003	CLOSING DATE:	27 October 2026	CLOSING TIME:	12H00	
DESCRIPTION	BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR CONSTRUCTION OF NEW BODIBE COMMUNITY LIBRARY FOR THE DEPARTMENT OF PUBLIC WORKS & ROADS, NORTH WEST PROVINCE					

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
2745

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO		**TECHNICAL ENQUIRIES MAY BE DIRECTED TO:**	
CONTACT PERSON	Andile Matladi	CONTACT PERSON	Wisdom Norgbey
TELEPHONE NUMBER		TELEPHONE NUMBER	
FACSIMILE NUMBER		FACSIMILE NUMBER	
E-MAIL ADDRESS	NWTenders@idt.org.za	E-MAIL ADDRESS	NWTenders@idt.org.za

SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		**OR**	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] ☐ Yes ☐ No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT		[TICK APPLICABLE BOX] ☐ Yes ☐ No

[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]

ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐Yes ☐No [IF YES ENCLOSE PROOF]	ARE YOU A FOREIGN BASED SUPPLIER FOR **THE GOODS /SERVICES /WORKS OFFERED?**	☐Yes ☐No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]

QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	☐ YES ☐ NO
DOES THE ENTITY HAVE A BRANCH IN THE RSA?	☐ YES ☐ NO
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	☐ YES ☐ NO
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	☐ YES ☐ NO
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?	☐ YES ☐ NO

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

PART B
TERMS AND CONDITIONS FOR BIDDING

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

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

SIGNATURE OF BIDDER: ……

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

DATE: ……..

T2.1.2 PREFERENCE POINTS CLAIM FORM

SBD 6.1

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

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

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

---

1. GENERAL CONDITIONS

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

- the 80/20 system for requirements with a Rand value of below R50 000 000 (allapplicable 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**
TARGETED GROUP	
Women Ownership	6
Youth Ownership	6
People with Disabilities Ownership	4
Black Ownership	4
Total points for Price and SPECIFIC GOALS	**100**

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

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

2. DEFINITIONS

(a) **"tender"** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;

(b) **"price"** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;

(c) **"rand value"** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

(d) **"tender for income-generating contracts"** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and

(e) **"the Act"** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 90/10 PREFERENCE POINT SYSTEMS

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

80/20 **or** **90/10**

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

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

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

3.2.1. POINTS AWARDED FOR PRICE

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

80/20

$$Ps = 80\left(1 + \frac{Pt - P\,max}{P\,max}\right)$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

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

4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 preference point system applies, anorgan 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 tenderwill 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 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 80/20 preference point system isapplicable, 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 ofpoints allocated(80/20 system) (To be completed by the organof state)	Number ofpoints claimed (80/20 system) (To be completed by the tenderer)
Women Ownership	6	
Youth Ownership	6	
People with Disabilities Ownership	4	
Black Ownership	4	

Source Documents to be submitted with the Bid or RFQ

CIPC Document (Company Registration Document will be required for verification (CIPC DOC) and share certificate if ownership certificate is not indicated on the CIPC)

- Woman (Originally Certified ID Document not older than 6 months)
- Youth (Originally Certified ID Document not older than 6 months)
- People with Disability (Letter from the Dr. Confirming the Disability signed with verifiable contact details)
- Black Ownership (Originally Certified ID Document not older than 6 months)

CSD full report will be used in support of the above mentioned documentation to verify specific goals

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, certifythat 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 additionto 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 asa result of having to make less favourable arrangements due to suchcancellation;

(d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and

(e) forward the matter for criminal prosecution, if deemed necessary.

…….
SIGNATURE(S) OF TENDERER(S)
SURNAME AND NAME: …….
DATE: ……
ADDRESS: ……
……
……
……

Source Documents to be submitted with the Bid or RFQ

CIPC Document (Company Registration Document will be required for verification (CIPC DOC) and share certificate if ownership certificate is not indicated on the CIPC)

- Woman (Originally Certified ID Document not older than 6 months)
- Youth (Originally Certified ID Document not older than 6 months)
- People with Disability (Letter from the Dr. Confirming the Disability signed with verifiable contact details)
- Black Ownership (Originally Certified ID Document not older than 6 months)

CSD full report will be used in support of the above mentioned documentation to verify specific goals

T2.1.3 CENTRAL SUPPLIER DATABASE

Attached hereto is my / our Central Supplier Database report.

IMPORTANT NOTES:

A full report of the CSD report is required showing all the company details such as, address, Tax Compliance, banking details etc.

T2.1.4 TAX CLEARANCE CERITFICATE

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

In accordance with National Treasury Instruction No. 9 of 2017/18, the IDT will verify the tax compliance status of the recommended bidder prior to the award of the Bid.

Where the recommended bidder is found to be non-compliant with its tax obligations, the IDT will notify the bidder in writing of its non-compliant status and afford the bidder within seven (7) working days to submit written proof from the South African Revenue Service (SARS) confirming its tax compliance status, or written proof that the bidder has made an arrangement with SARS to meet its outstanding tax obligations.

The bidder's tax compliance status or proof of such arrangement will be verified by the IDT through the applicable SARS/eFiling or Central Supplier Database (CSD) verification process.

Should the recommended bidder fail to provide the required written proof within the stipulated seven (7) working days, the IDT will reject the Bid.

T2.1.5 JOINT VENTURE AGREEMENT – IF APPLICABLE

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* ***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 goodstanding 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***

Section 3: CIDB registration number, if any: . . . . . .

Section 4: Particulars of sole proprietors and partners in partnerships

Name*	Identity number*	Personal income tax number*

* Complete only if sole proprietor or partnership and attach separate page if more than 3 partners

Section 5: Particulars of companies and close corporations

Company registration number . . . . . .

Close corporation number . . . . . .

Tax reference number . . . . . .

Section 6: Record in the service of the state

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:

- a member of any municipal council
- a member of any provincial legislature
- a member of the National Assembly or the National Council of Province
- a member of the board of directors of any municipal entity
- an official of any municipality or municipal entity
- 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)
- a member of an accounting authority of any national or provincial public entity
- an employee of Parliament or a provincial legislature

If any of the above boxes are marked, disclose the following:

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

Section 7: Record of spouses, children and parents in the service of the state

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:

- a member of any municipal council
- a member of any provincial legislature
- a member of the National Assembly or the National Council of Province
- 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)

- a member of the board of directors of any municipal entity
- an official of any municipality or municipal entity
- a member of an accounting authority of any national or provincial public entity
- 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 ---------- Date ----------

Name ---------- Position ----------

Enterprise name ----------

T2.1.10 BIDDER'S DISCLOSURE

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

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

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

2. Bidder's declaration

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

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

Full Name	**Identity Number**	**Name of State institution**

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

2.2.1 If so, furnish particulars:
……
……

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

2.3.1 If so, furnish particulars:
……
……

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 voteor power to influence or to direct the course and decisions of the enterprise.

3 DECLARATION

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

3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium2 will not be construed as collusive bidding.

3.4 In addition, there have been no consultations, communications, agreements or arrangements withany competitor regarding the quality, quantity, specifications, prices, including methods, factors orformulas 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 ofthe 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, directlyor 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 Preventionand Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

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

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

T2.1.11 CERTIFICATE OF ATTENDANCE AT COMPULSORY BRIEFING

This is to certify that *(tenderer)* .....

of *(address)* .....

..... was represented by the person(s)

named below at the compulsory meeting held for all tenderers at *(location)*.....

..... on *(date)*..... starting at *(time)* .....

I / We acknowledge that the purpose of the meeting was to acquaint myself / ourselves with the site of the works and / or matters incidental to doing the work specified in the tender documents in order for me / us to take account of everything necessary when compiling our rates and prices included in the tender.

Particulars of person(s) attending the meeting:

Name:.. ..... Signature: .....

Capacity: ..... Identity number: ……..

Attendance of the above person(s) at the meeting is confirmed by the Employer's representative, namely:

Name:.. ..... Signature: .....

Capacity: ..... Date and Time: .....

T2.1.12 CERTIFICATE OF AUTHORITY FOR SIGNATORY

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

(I) COMPANY	(II) CLOSE CORPORATION	(III) PARTNERSHIP	(IV) JOINT VENTURE	(V) SOLE PROPRIETOR

(I) CERTIFICATE FOR COMPANY

I, ……, Id number.....chairperson of the Board of Directors of.....hereby confirm that by resolution of the Board (copy attached) taken on ..... 20....., Mr/Ms.....acting in the capacity of..... , was 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……..	.....		
ID No……...	.....		
ID No……..	.....		
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: ……

T2.1.13 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		
	Date	**Title or Details**
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		

Attach additional pages if more space is required.

Signed _____ Date _____

Name _____

ID number _____ Position _____

Tenderer _____

T2.1.14 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:_____

T2.1.15 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 attachedto 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:……

T2.1.16 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, sub contracting, 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.

T2.1.17 CONTRACTOR'S HEALTH AND SAFETY DECLARATION

In terms of Clause 5(1)(h) of the OHSA 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 OHSA 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 OHSA 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 OHSA 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 OHSA 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 OHSA 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 OHSA 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.(do we need a CV or professional registration attached?)

(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) all the relevant Completion Certificates (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.				

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

Tenderer is to attach all letters of appointment and completion certificate corresponding to the projectlisted in T2.2.2

T2.2.4 EVALUATION SCHEDULE: CLIENT REFERENCES

EVALUATION SCHEDULE: EXPERIENCE ON BUILT ENVIRONMENT PROJECTS REFERENCES

The Bidder shall provide details of his performance on each of the previous projects listed in the "Relevant Experience" returnable schedule. "Employer Reference Scorecards" will be completed by each of the respective Employers for the projects listed in the "Relevant Experience" returnable schedule. *(Bidder to make copies for each disciplines)*

REPORT ON BIDDER'S COMPETENCE & PERFORMANCE ON A BUILT ENVIRONMENT PROJECTS FOR BID RECOMMENDATION PURPOSES

The following are to be completed by the Employer or Employers Agent and is to be supported in each case accompanied by a Signed and Stamped Reference (in the form issued to the bidder)

Note: Bidders are strongly encouraged to use the provided template to ensure a full and fair evaluation. Should bidders opt to submit their own format, they are advised that their Client Reference Letters will be evaluated to a maximum of 2 points for the five projects per discipline.

PROJECT A:

Type of Project, e.g. (new school, renovation of clinic): ……

Employer:…….

Contract Amount:……..

Contract Duration:…….

Actual Contract Duration:…….

RATE SERVICE PROVIDER ON THEIR OVERALL PERFORMANCE

DESCRIPTION	SCORE	TICK APPROPRIATE SCORING
Excellent	3	
Good	2	
Average	1	
Poor	0	

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

…….

Employer's contact person: .....

Telephone: .....

I hereby declare that to the best of my knowledge, information completed above is true and correct and I understand that I will be held responsible for any misrepresentation.

Employer Signature:……. **Date**:……

STAMP

T2.2.4 EVALUATION SCHEDULE: CLIENT REFERENCES

EVALUATION SCHEDULE: EXPERIENCE ON BUILT ENVIRONMENT PROJECTS REFERENCES

The Bidder shall provide details of his performance on each of the previous projects listed in the "Relevant Experience" returnable schedule. "Employer Reference Scorecards" will be completed by each of the respective Employers for the projects listed in the "Relevant Experience" returnable schedule. *(Bidder to make copies for each disciplines)*

REPORT ON BIDDER'S COMPETENCE & PERFORMANCE ON A BUILT ENVIRONMENT PROJECTS FOR BID RECOMMENDATION PURPOSES

The following are to be completed by the Employer or Employers Agent and is to be supported in each case accompanied by a Signed and Stamped Reference (in the form issued to the bidder)

Note: Bidders are strongly encouraged to use the provided template to ensure a full and fair evaluation. Should bidders opt to submit their own format, they are advised that their Client Reference Letters will be evaluated to a maximum of 2 points for the five projects per discipline.

PROJECT B:

Type of Project, e.g. (new school, renovation of clinic): ……

Employer:……

Contract Amount:……..

Contract Duration:……

Actual Contract Duration:……

RATE SERVICE PROVIDER ON THEIR OVERALL PERFORMANCE

DESCRIPTION	SCORE	TICK APPROPRIATE SCORING
Excellent	3	
Good	2	
Average	1	
Poor	0	

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

……

Employer's contact person: .....

Telephone: .....

I hereby declare that to the best of my knowledge, information completed above is true and correct and I understand that I will be held responsible for any misrepresentation.

Employer Signature:……. **Date**:……

STAMP

T2.2.4 EVALUATION SCHEDULE: CLIENT REFERENCES

EVALUATION SCHEDULE: EXPERIENCE ON BUILT ENVIRONMENT PROJECTS REFERENCES

The Bidder shall provide details of his performance on each of the previous projects listed in the "Relevant Experience" returnable schedule. "Employer Reference Scorecards" will be completed by each of the respective Employers for the projects listed in the "Relevant Experience" returnable schedule. *(Bidder to make copies for each disciplines)*

REPORT ON BIDDER'S COMPETENCE & PERFORMANCE ON A BUILT ENVIRONMENT PROJECTS FOR BID RECOMMENDATION PURPOSES

The following are to be completed by the Employer or Employers Agent and is to be supported in each case accompanied by a Signed and Stamped Reference (in the form issued to the bidder)

Note: Bidders are strongly encouraged to use the provided template to ensure a full and fair evaluation. Should bidders opt to submit their own format, they are advised that their Client Reference Letters will be evaluated to a maximum of 2 points for the five projects per discipline.

PROJECT C:

Type of Project, e.g. (new school, renovation of clinic): ……

Employer:……

Contract Amount:……..

Contract Duration:……

Actual Contract Duration:……

RATE SERVICE PROVIDER ON THEIR OVERALL PERFORMANCE

DESCRIPTION	SCORE	TICK APPROPRIATE SCORING
Excellent	3	
Good	2	
Average	1	
Poor	0	

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

……

Employer's contact person: .....

Telephone: .....

I hereby declare that to the best of my knowledge, information completed above is true and correct and I understand that I will be held responsible for any misrepresentation.

Employer Signature:……. **Date**:……

STAMP

T2.2.4 EVALUATION SCHEDULE: CLIENT REFERENCES

EVALUATION SCHEDULE: EXPERIENCE ON BUILT ENVIRONMENT PROJECTS REFERENCES

The Bidder shall provide details of his performance on each of the previous projects listed in the "Relevant Experience" returnable schedule. "Employer Reference Scorecards" will be completed by each of the respective Employers for the projects listed in the "Relevant Experience" returnable schedule. *(Bidder to make copies for each disciplines)*

REPORT ON BIDDER'S COMPETENCE & PERFORMANCE ON A BUILT ENVIRONMENT PROJECTS FOR BID RECOMMENDATION PURPOSES

The following are to be completed by the Employer or Employers Agent and is to be supported in each case accompanied by a Signed and Stamped Reference (in the form issued to the bidder)

Note: Bidders are strongly encouraged to use the provided template to ensure a full and fair evaluation. Should bidders opt to submit their own format, they are advised that their Client Reference Letters will be evaluated to a maximum of 2 points for the five projects per discipline.

PROJECT D:

Type of Project, e.g. (new school, renovation of clinic): ……

Employer:…….

Contract Amount:…….

Contract Duration:…….

Actual Contract Duration:…….

RATE SERVICE PROVIDER ON THEIR OVERALL PERFORMANCE

DESCRIPTION	SCORE	TICK APPROPRIATE SCORING
Excellent	3	
Good	2	
Average	1	
Poor	0	

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

…….

Employer's contact person: .....

Telephone: .....

I hereby declare that to the best of my knowledge, information completed above is true and correct and I understand that I will be held responsible for any misrepresentation.

Employer Signature:……. **Date**:……

STAMP

T2.2.4 EVALUATION SCHEDULE: CLIENT REFERENCES

EVALUATION SCHEDULE: EXPERIENCE ON BUILT ENVIRONMENT PROJECTS REFERENCES

The Bidder shall provide details of his performance on each of the previous projects listed in the "Relevant Experience" returnable schedule. "Employer Reference Scorecards" will be completed by each of the respective Employers for the projects listed in the "Relevant Experience" returnable schedule. *(Bidder to make copies for each disciplines)*

REPORT ON BIDDER'S COMPETENCE & PERFORMANCE ON A BUILT ENVIRONMENT PROJECTS FOR BID RECOMMENDATION PURPOSES

The following are to be completed by the Employer or Employers Agent and is to be supported in each case accompanied by a Signed and Stamped Reference (in the form issued to the bidder)

Note: Bidders are strongly encouraged to use the provided template to ensure a full and fair evaluation. Should bidders opt to submit their own format, they are advised that their Client Reference Letters will be evaluated to a maximum of 2 points for the five projects per discipline.

PROJECT E:

Type of Project, e.g. (new school, renovation of clinic): ……

Employer:……

Contract Amount:……..

Contract Duration:……

Actual Contract Duration:……

RATE SERVICE PROVIDER ON THEIR OVERALL PERFORMANCE

DESCRIPTION	SCORE	TICK APPROPRIATE SCORING
Excellent	3	
Good	2	
Average	1	
Poor	0	

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

……

Employer's contact person: .....

Telephone: .....

I hereby declare that to the best of my knowledge, information completed above is true and correct and I understand that I will be held responsible for any misrepresentation.

Employer Signature:……. **Date**:……

STAMP

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. Only Key personnel listed below shall be considered for evaluation.

CATEGORY OF EMPLOYEE	ORGANOGRAM		
	NAMES	QUALIFICATION	YEARS OF EXPERIENCE
Project / Contract Manager			
Site Agent			
Foreman			
OHS personnel registered with SACPCMP			

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

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

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) DATE:……
(OWNER OF THE CV)

EVALUATION SCHEDULE: CV FOR SITE AGENT

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

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

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

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

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

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)

C.1.4 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:

APPOINTMENT OF A CONTRACTOR FOR CONSTRUCTION OF A NEW BODIBE COMMUNITY LIBRARY FOR THE DEPARTMENT OF PUBLIC WORKS & ROADS, NORTH WEST PROVINCE – BID NUMBER: DAC01NWER003

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:……

Amount in Words:

……..…

……

This Offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and

……. SIGNATURE(S) OF AUTHORISED BIDDERS(S) NAME: …….. CAPACITY: …….. DATE: …….. ADDRESS …….. …….. …….. CONTACT:: …….	WITNESSES 3. …….. 4. ……

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.

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 andconditions 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
……
……
……
……..

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 . . . . . .

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Details . . . . . .

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2 Subject . . . . . .

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Details . . . . . .

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3 Subject . . . . . .

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Details . . . . . .

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4 Subject . . . . . .
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Details . . . . . .
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Details . . . . . .
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C1.2 CONTRACT DATA

C1.2 Contract Data for BID NO: DOE14NWER017/CON14

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.

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

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

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

Clause	Amendments
1.0	**DEFINITIONS AND INTERPRETATION** Clause 1.1 is deemed to be amended by the addition and amendments of the following: Change the Definition of "**AGREEMENT**" to read as follows: This **JBCC** Principal Building Agreement, the **contractor's** tender document accepted by the **employer**, the form of offer signed by the **contractor, special conditions of contract, contract data** and other **contract documents**. The completed **JBCC®** Principal Building Agreement and **JBCC® contract data**, the **contract drawings**, the **priced document** and any other documents reduced to writing and signed by the authorised representatives of the **parties** Change the Definition of "**BILLS OF QUANTITES**" to read as follows: The document drawn up in accordance with the pricing instructions contained in the pricing data. Change the Definition of "**CONSTRUCTION PERIOD**" to read as follows: The period commencing on the intended date [CD] of possession of the **site** by the **contractor** and ending on the date of **practical completion** Change the Definition of "**CONTRACT DOCUMENTS**" to read as follows: The **agreement** and all documents referenced therein. The **contract documents** 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 **Contract Data** shall prevail over all other **contract documents** **The above has been removed from 6.2, due to the agreement definition which now includes contract document** Change the definition of **"PAYMENT CERTIFICATE"** 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
Clause	**Amendments**
	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. Change the Definition of "**PRACTICAL COMPLETION**" to read as follows: The stage of completion where the **works** or a section thereof, in the opinion of the **principal agent**, has been reached in accordance with C28 & C29 this is a different clause of the specific preliminaries and where the work on the **practical completion** 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 **principal agent**. Change the Definition of "**CONTRACT DRAWINGS**" to read as follows: The drawings listed in the Scope of Works.

	Change the Definition of "**CONTRACT SUM**" to read as follows: The total of prices in the Form of Offer and Acceptance. Change the Definition of "**INTEREST**" 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). A monetary guarantee [CD] provided by the **employer** to the **contractor**, or vice versa, in terms of this **agreement** from which either **party** may recover expense and loss in the event of default Add the following to the list of definitions: **SCHEDULE** means the variables listed in the Contract Data. **DATE OF SITE HANDOVER** 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). **EXCEPTIONALLY INCLEMENT WEATHER** means weather which is not only extreme or severe but exceeding that which, on the evidence of the past ten years, could reasonably been expected. **TENANT LIST** means a list compiled by the tenant or in his absence the **principal agent** defining the incomplete or defective work to be rectified to achieve **practical completion**. Such list shall be scrutinised and endorsed by the **principal agent** and shall not be unreasonable in the context of his contract. **CORRUPT PRACTICE** means the offering, giving, receiving and soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution **FRAUDULENT PRACTICE** means a 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.
3.0	**OFFER AND ACCEPTANCE** Clause 3.3 deleted and replaced with the following:- 3.3 This **agreement** shall come into force on the date of signature of the contract by the **employer** and after all statutory requirements have been met, and continue to be of force and effect until the end of the **latent defects** liability period notwithstanding termination or the certification and final payment [22.0;29.0;25.0]

Clause	Amendments
4.0	**CESSION AND ASSIGNMENT** Clause 4.2 deleted and replaced with the following:- **4.2.** The **Contractor** shall not consent to a nominated **Subcontractor** assigning or ceding rights or obligations in terms of this **agreement** without obtaining the prior written consent of the **Principal Agent** with written approval from the **Employer** Clause 4.3 deleted and replaced with the following:- 4.3. 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 , shall be obtained from the **Employer** prior to entering into such cession. Clause 4.0 is amended by adding the following new clauses: 4.4 Any cession entered into without the necessary written consent from either party, shall be null and void. 4.5 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 and in line with the IDT's SCM processes. 4.6 The **contractor** shall adhere to the list of **subcontractors** indicated in the returnable schedules. Any changes to the **subcontractors** and their subcontract work shall be approved by the client in writing. The contractor shall not subcontract more than 25% of the works to **subcontractors** whose BEE status is less than his at the time of appointment. Failure to comply with this shall constitute a breach of contract.
5.0	**CONTRACT DOCUMENTS** Clause 5.1 deleted and replaced with the following:- 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 ***Employer.*** Clause 5.6 deleted and replaced with the following:- 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 **Contract Data** shall prevail over all other contract documents.

6.0	**EMPLOYER'S AGENTS** Clause 6.1 deleted and replaced with the following:- 6.1. The **Employer** warrants that the **Principal Agent** has authority and obligation to act and bind the **Employer** in terms of this agreement, subject to certain restrictions contained herein this document. Clause 6.4 deleted and replaced with the following:- 6.4. Where any agent fails to act in terms of delegated authority, the **Contractor** shall give notice to the **Principal Agent** and the **Employer** 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 **Contractor** may give not less than 10 working days' notice of intention to suspend the works [28.0]. Clause 6.5 deleted and replaced with the following:-

Clause	Amendments
	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 **Employer** 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.
9.0	**INDEMITIES** Clause 9.0 is amended by the addition of the following clause:- 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. Delete 9.2.7. Delete 9.2.10.
10.0	**INSURANCES** Clause 10.0 is amended by the addition of the following clauses to the end thereof: 10.12 Damage to the works (a) Without any way limiting the **contractor's** obligations in terms of the contract, the **contractor** shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the **employer** against any such damage. The **contractor** shall take such precautions and security measures and other steps for the protection and security of the **works** as the **contractor** may deem necessary. (b) The **contractor** shall at all times proceed immediately to remove or dispose of any debris arising from damage or destruction of the **works** and to rebuild, restore, replace and/or repair the **works**. (c) Where the **employer** bears the risk in terms of this contract, the **contractor** shall, if requested to do so, reinstate any damage or destroyed portions of the **works** and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof. 10.13 Injury to Persons or loss of or damage to Properties (a) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable (b) The **contractor** shall be liable for and hereby indemnifies the **employer** against any liability, loss, claim or proceeding consequent upon loss of or damage or to any moveable, or immoveable property or personal property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person, arising out of or in the course of or by reason of the execution of the **works** unless due to any act or negligence of any person for whose actions the **employer** is legally liable. (c) The **contractor** shall upon receiving a **contract instruction** from the **principal agent** cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the **employer** shall be entitled to cause it to be made good and to recover the cost therefore from the **contractor** or to deduct the same from amounts due to the **contractor**. (d) The **contractor** shall be responsible for the protection and safety of such portions of the premises placed under his control by the **employer** for the purpose of executing the **works** until the issue of the **certificate of practical completion**.

Clause	Amendments
	(e) Where the execution of the **works** involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the **contractor** shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the **works** has been completed. (f) The **contractor** shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and / or repair such property and execute the **works**. 10.14 High Risk Insurance In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions which might result in catastrophic ground movement evident by sinkhole or dolomite formation the following will apply: 10.14.1 Damage to the works The **contractor** shall, from the **commencement date** of the **works** until the date of the **certificate of practical completion**, bear the full risk of and hereby indemnifies and hold harmless the **employer** against any damage to and/or destruction of the **works** consequent upon a catastrophic ground movement as mentioned above. The **contractor** shall take such precautions and security measures and other steps for the protection of the **works** as he may deem necessary. When so instructed to do so by the **principal agent**, the **contractor** shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the **works** and to rebuild, replace and/or repair the **works**, at the **contractor's** own costs. 10.14.2 Injury to persons or loss of or damage to property The **contractor** shall be liable for and hereby indemnifies and holds harmless the **employer** against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above. The **contractor** shall be liable for and hereby indemnifies the **employer** against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property or property contiguous to the **site**, whether belonging to or under the control of the **employer** or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of construction. 10.14.3 It is the responsibility of the **contractor** to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.14.1 and 10.14.2. Without limiting the **contractor's** obligations in terms of the contract, the **contractor** shall, within twenty one (21) **calendar days** of the **commencement date** but before commencement of the **works** submit to the **employer** proof of such insurance policy, if requested to do so. 10.14.4 The **employer** shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred subsequent upon the **contractor's** default of his obligations as set out in 10.14.1, 10.14.2 and 10.14.3. Such losses or damages may be recovered from the **contractor** or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the **employer** and the **contractor** and for this purpose all these contracts shall be considered on indivisible whole.
11.0	**SECURITY** Delete clause 11.1.2. and replace with the following:-

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

12.0	**DUTIES OF THE PARTIES** Delete clause 12.1.1 Delete clause 12.1.10 Clause 12.0 is further amended by adding the following clauses: 12.4 The **contractor** shall: 12.4.1 Immediately on award of the contract and prior to the commencement on **site**, the **contractor** shall prepare a working **programme** covering the first month of the construction period. This working **programme** shall be prepared in conjunction with the **principal agent** and shall be subject to his approval.

Clause	Amendments
	During the first month of the construction period the **contractor** shall prepare and draw up the **programme** for the balance of the **works** for approval by the **principal agent** 12.4.2 This **programme** shall be drawn up in accordance with the dates in the **agreement** for possession, sectional completion and **practical completion** and shall be in sufficient and approved detailto ensure control over the **works**. **12.4.3** The **programme** 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 **principal agent.** **12.4.4** Documentation will not be available in complete detail at the commencement stage. However the **contractor**, in conjunction with the **principal agent**, shall progressively plan the **works** on provisional information available and with sufficient scope to include future detail without disrupting the basic logic initially approved by the **principal agent.** The quantities contained in these **bills of quantities** are provisional and shall be utilized as a guide only for the drawing up of the **programme.** Where assumptions are made in regard to programming aspects, such assumptions shall be recorded in the **programme.** 12.4.5 The **programme** shall be updated and modified to accommodate a material change in circumstances or whenever reasonably required by the **principal agent**. Any acceleration and/or special measures sanctioned by the **principal agent** together with associated effects shall be incorporated in a revision to the **programme.** 12.4.6 The **programme** (including each revision thereof) shall be prepared in conjunction with the **principal agent** and shall be subject to his approval. The approval of the **principal agent** shall be deemed to be given on the basis that the **contractor** represents that the **programme** complies with the requirements of this **agreement**. The **contractor** shall be responsible at all times for maintaining the accuracy, validity and reasonableness of the **programme** and the implementation thereof. The fact that a **programme** has been prepared in conjunction with the **principal agent** or approved by him shall not release or relieve the **contractor** from any of his obligations or responsibilities under this **agreement**. Without derogating from the foregoing, the **contractor** shall at all times bear the onus to demonstrate that the **programme** complies with the requirement of this **agreement** and, where applicable constitute an appropriate baseline **programme** for any purpose in connection with this **agreement.** 12.4.7 The **contractor** and the **principal agent** shall, at regular intervals not exceeding one month, assess the state of progress of the **works** relative to the latest agreed revision of the **programme**. 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. 12.4.7 The contractor shall comply with his tendered subcontractors as stipulated in clause 4.6. 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) 12.6 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.

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

17.0	**CONTRACT INSTRUCTIONS** Amend Clause 17.0 by adding the following sub clauses under clause 17.1.2 The word “substantially” in the main clause above is qualified by the following four sub clauses: 17.1.2.1 Quantity as per line item in fixed Bill of Quantity of more than 5%. 17.1.2.2. Variation in standards that result in rate adjustment within the BOQ of more than 5% 17.1.2.3. Variation in the design that varies the contract sum by more than 5% 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. Amend clause 17.1.13 to read as follow: 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.
Clause	**Amendments**

19.0	**PRACTICAL COMPLETION** Amend Clause 19.0 by adding the following clauses: 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. 19.4.2. No default Practical completion will be deemed to be given, in light of sub clause 19.4.1 19.8 Without derogating from the generality of the requirements for **practical completion** the following specific requirements shall apply: 19.8.1 **Defects** occurring after the issue of the **practical completion** list requiring remedial work that will, in the opinion of the **principal agent,** cause disruption, will cause the issue of the certificate of **practical completion** to be withheld until such **defects** have been rectified to the satisfaction of the **principal agent**. 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 **practical completion** and completion certificate shall be invalid if one of them is missing: a) A certificate from the **contractor** that all aspects of the construction regulations of 2003 have been complied with. b) A certificate from the **contractor** that the National Building Regulations have been complied with c) An occupancy certificate d) occupational Health and Safety certificate e) A certificate of compliance with respect to plumbing and drainage f) An electrical certificate of compliance g) A certificate of compliance with respect to all glazing h) A certificate of compliance and fire clearance certificate from the contractor and fire chief respectively. i) A galvanizing and painting guarantee. j) All mechanical certificate of compliance. k) All structural certificate of compliance. l) A palisade certificate of compliance. m) A smoke extraction certificate of compliance. n) A fire signage certificate of compliance. o) A tiling certificate of compliance. p) A waterproofing certificate of compliance. q) A generator guarantee. r) Commissioning reports s) Maintenance and operational manuals t) Training of end users on equipment, etc. u) Any other applicable guarantees. 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 **principal agent** prior to **practical completion** 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 **contractor** as well as the applicable services subcontractor. Delete Clause 19.6 and replace with the following clauses: 19.6 Notwithstanding anything to the contrary contained in the contract, should the **contractor** in the opinion of the **principal agent** not have achieved **practical completion** of any area of the **works**,the **employer** may, notwithstanding the **contractor's** ongoing responsibilities, take possession of any such area and such possession by the **employer** shall not in any way be construed that **practical completion** has been achieved. In such event, the **principal agent** shall give written notice to the **contractor** that the **employer** is taking immediate possession of any particular area/s without **practical completion** having been achieved in order to mitigate the **employer's** damages and exposure to loss or expense.

Clause	Amendments
	19.6.1 In the event of the **Employer** taking occupation of the **works** or part thereof prior to **practical completion** being achieved, but on or after the date for **practical completion**, the e**mployer** shall: (a) Have **the principal agent** issue a **practical completion** list(s) prior to such occupation (b) Grant the **contractor** thereafter all reasonable access to expeditiously attend to the items on the **practical completion** list(s) Add clause 19.9 to Clause 19.0 to read as follows: 19.8 After the issue of the **certificate of practical completion**, entry upon the **works** to make good **defects** shall be at such reasonable times as shall be agreed by the **principal agent.** The **contractor** shall not receive any mark-up for overheads and profit on any omission of tenant installation work or tenant installation work by others. Claims of loss of profit shall not be entertained.
22.0	**LATENT DEFECT LIABILITY PERIOD** Amend Clause 22.1 to read as follow: 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. Amend 22.2.1 to read as follow: 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. Delete clause 22.2
23.0	**REVISION OF THE DATE FOR PRACTICAL COMPLETION** Amend 23.2 to read as follow: 23.2 The **contractor** is entitled to a revision of the date for **practical completion** with an adjustment of the **contract value** (26.0) by the **principal agent** subject to a written approval from the **employer**, for a delay to **practical completion** caused by one or more of the following events:- Amend 23.7 to read as follow: 23.7. The **principal agent** shall, within twenty (20) working days of receipt of the claim, with the written consent of the **employer**, grant in full, reduce, refuse the working days claimed, and:

25.0	**PAYMENT** Amend 25.1. to read as follow: 25.1 The **contractor** shall cooperate with and assists the **employer** and **Principal agent** 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 **principal agent** shall make a fair estimate of the work executed. Amend Clause 25.0 by adding the following sub clauses under clause 25.1:
Clause	**Amendments**
	25.1.1. The **principal agent** shall prepare in full the **payment certificate** for signature and effect by the employer as stipulated in the contract. No **payment certificate** will be concluded and effected without the employer's authorized signature on the certificate. 25.1.2. No **payment certificate** will be effected without the employer's authorized signature on the certificate. 25.1.3 The **Employer** reserves 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 certificate has expired. 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. 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 **payment certificate and Contractor Invoice** to the **employer** at the rate of repo rate plus 3%. 25.4.5. Delete Amend 25.7 to read as follow: 25.7 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** from the date of submission of undisputed **payment certificate**" to the **employer** after verification, unless there is an objection of the certificate by the employer. *The employer cannot reject a certificate once the employer signs it.* Amend Clause 25.9 by adding the following sub clauses: 25.9.1 The **employer** shall only be liable for the payment for materials and/or goods on site if ownership is proven by the **contractor** (paid in full) and such ownership shall pass on to the **employer** upon payment. 25.9.2 The **employer** shall only be liable for the payment for materials and/or goods offsite if ownership is proven by the **contractor** (paid in full) and the **contractor** 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 **employer** upon payment.

26.0	**ADJUSTMENT OF THE CONTRACT VALUE AND FINAL ACCOUNT** Add the followings sub clauses to clause 26.1. 26.1.1. Upon receipt of the change request, the **Principal Agent** must professionally consider the merits of the change request and make a recommendation to the **employer**. 26.1.2. 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.

Clause	Amendments
	26.1.3. The **Employer** must communicate the approval of the change request in writing to the **Principal Agent** and the **Principal Agent** shall, upon receipt of confirmation of the change request, issue the necessary **Contract Instruction** to the **contractor** to undertake the works. 26.1.4. The **Contractor** shall not commence with any change request Works without proof of the written approval of the Variation Order from the **Employer**, except under circumstances mentioned in paragraph 26.1.2 above. 26.1.5 Should the **Contractor** undertakes the change request Works without the necessary written approval of the change request 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**. 26.1.6. The **Contractor** shall not accept any instructions from any party, including beneficiary Department, other than the **Principal Agent**. Amend clause 26.7 to read as follow: 26.7 The **principal agent**, in consultation with the employer, shall assess the claim and on approval by the **employer**, shall adjust the contact value within twenty (20) working days of receipt of such details.
27.0	**RECOVERY OF EXPENSE AND/OR LOSS** 27.1.4. Delete
28.0	**SUSPENSION BY THE CONTRACTOR** Amend clause 28.1. to read as follow: 28.1 The **contractor** may give fourteen (14) Working days' notice to the employer and the **principal agent** of the intention to suspend the works where the **employer** and the **principal agent** have failed to: 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 **employer**.

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

Contract Agreement

Clause Number	Contract Agreement
41.0	**41.0 POST TENDER PROVISIONS** 41.1 All information provided in this section requires consultation with the **parties** to the **agreement**. 41.2 The completed **Contract Data - Employer** and **Contractor data - Contractor** addenda and such other pertinent documents as listed below shall form part of this **agreement**: 41.3 The dispute resolution body selected by the **parties** is: **THE ASSOCIATION OF SOUTH AFRICAN ARBITRATORS** 41.4 The **employer** shall provide a **Payment Guarantee** *(amount)* **N/A** 41.5 An annual building industry holiday period is applicable *(yes/no)* **YES** 41.6 Further provisions and information agreed by the parties: _____ _____ _____ _____
42.0	**42.0 CONTRACTUAL AGREEMENT** 42.1 This **agreement** is the entire (special conditions?) contract between the **parties** regarding the matters addressed herein. No representations, terms, conditions or warranties not contained in this **agreement** shall be binding on the **parties**. No agreement or addendum varying, adding to, deleting or terminating this **agreement** including this clause shall be effective unless reduced to writing and signed by the **parties.** 42.2 **Contracting Parties** (1) **Employer** : **THE INDEPENDENT DEVELOPMENT TRUST** Physical Address : North West Regional Office 4071 Joule Street Industrial Site Mmabatho, 2735 Telephone : (018) 381 0654 Fax : E-mail : molefic@idt.org.za TAX / Vat Registration no : 458 014 7876

Clause Number	Contract Agreement
	(2) **Contractor** : Physical Address : Telephone : Fax : E-mail : TAX / Vat Registration no : 42.3 The accepted contract sum (inclusive of tax) *(amount)* (In words) _____ _____ _____ 42.4 Signature of the contracting **parties**: Thus done and signed at_____on _____ _____ _____ Name of signatory For and on behalf of the **employer** who by signature hereof warrants authorisation hereto _____ _____ Capacity of signatory As Witness (1) Thus done and signed at_____on _____ _____ _____ Name of signatory For and on behalf of the **contractor** who by signature hereof warrants authorisation hereto _____ _____ Capacity of signatory As Witness (2)



Clause Number	Contract Agreement
	Details of Witness (1) Name: _____ Address: _____ _____ _____
	Details of Witness (2) Name: _____ Address: _____ _____ _____

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 live school environment 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.....**2026**

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.....**2026**

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

APPOINTMENT OF A CONTRACTOR FOR CONSTRUCTION OF A NEW BODIBE COMMUNITY LIBRARY FOR THE DEPARTMENT OF PUBLIC WORKS & ROADS, NORTH WEST PROVINCE – BID NUMBER: DAC01NWER003

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 OF A CONTRACTOR FOR CONSTRUCTION OF A NEW BODIBE COMMUNITY LIBRARY FOR THE DEPARTMENT OF PUBLIC WORKS & ROADS, NORTH WEST PROVINCE – BID NUMBER: DAC01NWER003

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 OHSA 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

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, 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 Reprint May 2018) as amended in the IDT's SPECIAL CONDITIONS OF PRINCIPAL CONTRACT**. The additions, deletions and alterations to the JBCC Principal Building Agreement as well as the contract specific variables areas 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 Reprint May 2018) as amended in the IDT's SPECIAL CONDITIONS OF PRINCIPAL CONTRACT**. The additions, deletions and alterations to the various parts of the JBCC Series 2000 Preliminaries as well as the contract specific variables are as stated in the Specification Data in the Scope of Work. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.

4 It will be assumed that prices included in the Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders. (Refer to www.stanza.org.za or www.iso.org for information on standards).

5 The prices and rates in these Bills of Quantities are fully inclusive prices for the work described under the items. Such prices and rates cover all costs and expenses that may be required in and for the execution of the work described in accordance with the provisions of the Scope of Work, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the Contract Data, as well as overhead charges and profit. These prices will be used as a basis for assessment of 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 fullextent and meaning of each and every clause set out in Section 1 (Preliminary and General) ofthe 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 12apply 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 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.

20 The tenderer is to acquaint himself as to the specific requirements of this tender as contained in additional. clauses A1 to A6 to the JBCC Principal Agreement as incorporated in the Contract Data. These clauses may be priced under the relevant Preliminaries items in SECTION C: SPECIFIC PRELIMINARIES of the Preliminaries Bill. No claim will be entertained due to the failure of the tenderer to allow for these requirements

21 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.

22 The Employer shall determine the amount to be paid to the Enterprise Development Co-Ordinator 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 – R5 000.00 (Ten 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 - R5 000.00 (five thousand rands) per targeted enterprise.

23 Provisional sums are provided for some items in the Schedule of Quantities. Work done under these items will be at the written direction of the Employer. The Employer reserves the right, during the execution of the works, to adjust the stated amounts upwards or downwards according to the work actually done under the item, or the item may be omitted altogether, without affecting the validity of the Contract.

24 The Tenderer shall not under any circumstances whatsoever delete or amend any of the sums inserted in the “Amount” column of the Bill of Quantities and in the Summary of the Bill of Quantities unless ordered or authorized in writing by the Employer before closure of tenders. Any authorized changes made by the Tenderer to provisional items in the schedule, or to the provisional percentages and sums in the Summary of the Bill of Quantities, will be treated as arithmetical errors.

25 **Payment to the contractor to accommodate Part/Full Occupational qualification and Tradequalifications**

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 theStandard 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 ofQuantities/Pricing schedules/Activity schedule.

26 **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		Quantity	Rate	Amount

SECTION 1

BILL NO. 1
PRELIMINARIES

BUILDING AGREEMENT AND PRELIMINARIES

The **JBCC** Principal Building Agreement (May 2018 Edition 6.2) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described

The **JBCC** Principal Building Agreement **contract data** form an integral part of this **agreement**

The ASAQS Preliminaries (May 2018 edition) published by the Association of South African Quantity Surveyors for use with the **JBCC** Principal Building Agreement shall be deemed to be incorporated in these **bills of quantities**

The **contractor** is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause

The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this **agreement** 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 to the contrary contained in the abovementioned documents

Where any item is not relevant to this **agreement** such item is marked N/A (signifying "not applicable")

Preambles for Trades

The Model Preambles for Trades (2017 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

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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 Model Preambles

The **contractor's** prices for all items throughout these **bills of quantities** shall take account of and include for all of the obligations, requirements and specifications given in the Model Preambles and in any supplementary preambles

Pricing of Preliminaries

Should the **contractor** select Option A in terms of clause 26.9.4 of 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)

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SECTION A: PRINCIPAL BUILDING AGREEMENT

Interpretation (A1-A7)

1 Clause 1.0 - Definitions and interpretation

Pricing of bills of quantities

The **contractor** is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes, imposts, establishment charges, overheads, profit and all other obligations arising out of the **agreement**

Items left unpriced will be deemed to be covered in prices against other items throughout these **bills of quantities** and no claim for any extras arising out of the **contractor's** omission to price any item will be entertained

Prices for all plant, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary

Legal status of contractor

If the **contractor** constitutes a joint venture consortium or other unincorporated grouping of two or more persons then:

1. These persons are deemed to be jointly and severally liable to the **employer** for the performance of this agreement

2. These persons shall notify the **employer** of their leader who has authority to bind the **contractor** and each of these persons

3. The **contractor** shall not alter its composition or legal status without the prior written consent of the **employer**

2 F:..... V:..... T:..... Item

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3 Clause 2.0 - Law, regulations and notices

Health and safety

Without limiting the generality of the provisions of clause 2.0, the **contractor's** attention is drawn to the provisions of Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the **employer** shall prepare a documented health and safety specification for the **works** and that the **employer** shall ensure that the **contractor** has made provision for the cost of health and safety measures during the execution of the **works**. The **contractor** shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the aforementioned health and safety specification [2.1]

The **contractor** shall:

1. Comply with the health and safety specification for the **works**

2. Prepare and agree with the health and safety consultant the health and safety plan for the **works**

3. Co-operate with the health and safety consultant in all respects

4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification

5. Conform to the conditions contained in the **employer's** safety specification

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Additional Preliminary Items:

The Contractor must supply the owner with a complete and comprehensive Health and Safety plan in terms of the said latest acts of parliament and all relevant regulations and is responsible for all Health and Safety issues, procedures, processes, measures and responsibilities. In this regard the following must strictly be addressed but the onus and responsibility is not limited to this list:

1. Safety of all machinery
2. Hard hats by all people on site
3. Dust and fume masks
4. Safety belts and lines
5. Safety of scaffolding, hoarding, screens, fences, etc.
6. Safety of gangways, planks, etc.
7. Warning signs and safety barriers
8. Safety reports to the principal agent and the client
9. Traffic safety on site and to and from the site
10. Complete Health and Safety of the public
11. Ear plugs and sound protection
12. The Contractor must adhere to and manage all aspects specifically shown on the parties Health and Safety assessment and the general and specific Health and Safety specification. Should the specification be more than that is required by regulation a fair price for this extra work based on the contract terms shall be agreed upon and be payable
13. The Contractor must appoint a Health and Safety official as required by law
14. The Contractor shall keep an up to date Health and Safety file on site
15. All Sub-contractors must adhere to the above and their responsibilities must be co-ordinated and supervised by the Contractor
16. A continuous Health and Safety assessment must be carried out by the Contractor in consultation with the Principal Agent

4 F:..... V:..... T:..... Item

5 Clause 3.0 - Offer and acceptance

F:..... V:..... T:..... Item

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6	Clause 4.0 - Assignment and cession F:..... V:..... T:.....	Item		
7	Clause 5.0 - **Contract documents** **Value Added Tax** Provision is made in the summary page of these **bills of quantities** for the inclusion of Value Added Tax (VAT) **Contract drawings** The **contract drawings** are as listed in the contract data **Priced document as specification** The **principal agent** shall decide which portion of the **priced document** may be used as a specification of **materials and goods** or methods, if any [5.3]			
8	F:..... V:..... T:.....	Item		
9	Clause 6.0 - **Employer's agents** **Delegated authority** The authority of the **principal agent** to perform duties for specific aspects of the **works** is delegated to the **agents** as follows [6.2]:			
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1. Architect

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 and duties:

1.1 Give opinion on aspects of the **works** which are not in accordance with the **agreement**

1.2 Supply the specified number of drawings

1.3 Issue instructions if **bills of quantities** is to be used as a specification

1.4 Be responsible for primary co-ordination of design elements

1.5 Receive through the **contractor** and accept design documentation undertaken by **subcontractors**

1.6 Issue instructions to the **contractor** regarding:

1.6.1 Alteration to design, quality or quantity of the **works** provided that such instructions shall not substantially change the scope of the **works**

1.6.2 Removal of any **materials and goods** from the **site** and the substitution of any **materials and goods** therefor

1.6.3 Removal or re-execution of any work

1.6.4 Opening up of work for inspection

1.6.5 Testing of work and **materials and goods**

1.6.6 Protection of the **works**

1.6.7 Making good physical loss and repairing damage to the **works**

1.6.8 Lists for **practical completion** and **final completion**

1.6.9 Compliance with Acts of Parliament, regulations and bylaws

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1.7 Witness the handing over to the **contractor** of pegs, beacons and datum levels

1.8 Define levels and provide the **contractor** with the necessary information to set out the **works**

1.9 Acceptance of design by **subcontractors**

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**

1.11 Inspect the **works** for **practical completion**

1.12 Issue the **list for practical completion** and re-inspect upon request of the **contractor**

1.13 Issue the **certificate of practical completion**

1.14 Inspect the **works** at the end of the **defects** liability period

1.15 Issue the **list for final completion** and re-inspect upon request of the **contractor**

1.16 Issue the **certificate of final completion**

2. Quantity surveyor

The quantity surveyor is responsible for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions. Without derogating from the generality thereof, the quantity surveyor will perform the following specific functions and duties:

2.1 Consult with the **contractor** in correction of rates or errors and discrepancies

2.2 Complete the **contract data**

2.3 Supply the specified number of unpriced **bills of quantities**

2.4 Identify in the **contract data** any changes to the standard **JBCC** documentation and determine any loss and expense to the **contractor** caused by non-disclosure thereof

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2.5	Deal with amounts paid by the **contractor** to authorities having jurisdiction over the **works**			
2.6	Measure and value the making good of physical loss or damage			
2.7	Issue instructions to the **contractor** regarding:			
2.7.1	Rectification of discrepancies and errors in description or omissions in **contract documents**			
2.7.2	Furnishing proof of payment to **subcontractors**			
2.7.3	**Budgetary allowances** and work executed by the **contractor**			
2.7.4	Contingency and other monetary provisions included in the **contract sum**			
2.8	Prepare nominated and/or selected subcontract tender documents			
2.9	Receive proof from the **contractor** that the **contractor's** payment obligations have been met in respect of **subcontractors**			
2.10	Act on **employer's** instructions to pay **subcontractors** directly			
2.11	Adjustment of the **contract value** in respect of a revision to the date of **practical completion**			
2.12	Calculate **penalties** for non-completion upon receipt of the relevant information from the **principal agent**			
2.13	Valuation of payment claims for **payment certificates**			
2.14	Calculate default and compensatory **interest** (if any) due to the **parties**			
2.15	With each valuation for payment issue:			
2.15.1	A statement to the **contractor** and each **subcontractor** showing the amount certified for the relevant **subcontractor**			
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2.15.2 A statement to the **employer** and **contractor** showing the total amount certified

2.15.3 A **recovery statement**

2.16 Determine the value of adjustments to the **contract value**

2.17 Receive from the **contractor** details of expense and loss claims and assess such claims

2.18 Prepare the **final account** and submit to the **contractor**

3. Civil and structural engineer

The civil and structural engineer is responsible for all aspects of civil and structural engineering design and quality inspection. Without derogating from the generality thereof, the civil and structural engineer will perform the following specific functions and duties in respect of the civil and structural engineering aspects of the **works**:

3.1 Give opinion on aspects of the **works** which are not in accordance with the **agreement**

3.2 Supply the specified number of drawings

3.3 Issue instructions if **bills of quantities** is to be used as a specification

3.4 Receive and accept design documentation undertaken by **subcontractors**

3.5 Issue instructions to the **contractor** regarding:

3.5.1 Alteration to design, quality or quantity of the **works** provided that such **i**nstructions shall not substantially change the scope of the **works**

3.5.2 Removal of any **materials and goods** from the **site** and the substitution of any **materials and goods** therefor

3.5.3 Removal or re-execution of any work

3.5.4 Opening up of work for inspection

3.5.5 Testing of work and **materials and goods**

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3.5.6 Protection of the **works**

3.5.7 Making good physical loss and repairing damage to the **works**

3.5.8 Compliance with Acts of Parliament, regulations and bylaws

3.6 Define levels and provide the **contractor** with the necessary information to set out the **works**

3.7 Acceptance of design by **subcontractors**

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**

3.9 Inspect the **works** for **practical completion**

3.10 Issue the **list for practical completion** and re-inspect upon request of the **contractor**

3.11 Inspect the **works** at the end of the **defects** liability period

3.12 Issue the **list for final completion** and re-inspect upon request of the **contractor**

4. Mechanical engineer

The mechanical engineer is responsible for all the aspects of mechanical engineering design. Without derogating from the generality thereof the mechanical engineer will perform the following specific functions and duties in respect of the mechanical engineering aspects of the **works**:

4.1 Give opinion on aspects of the **works** which are not in accordance with the **agreement**

4.2 Supply the specified number of drawings

4.3 Issue instructions if **bills of quantities** is to be used as a specification

4.4 Receive and accept design documentation undertaken by **subcontractors**

4.5 Issue instructions to the **contractor** regarding:

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4.5.1	Alteration to design, quality or quantity of the **works** provided that such instructions shall not susbstantially change the scope of the **works**			
4.5.2	Removal of any **materials and goods** from the **site** and the substitution of any **materials and goods** therefor			
4.5.3	Removal or re-execution of any work			
4.5.4	Opening up of work for inspection			
4.5.5	Testing of work and **materials and goods**			
4.5.6	Protection of the **works**			
4.5.7	Making good physical loss and repairing damage to the **works**			
4.5.8	Compliance with Acts of Parliament, regulations and bylaws			
4.6	Provide the **contractor** with the necessary information to set out the **works**			
4.7	Acceptance of design by **subcontractors**			
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**			
4.9	Inspect the **works** for **practical completion**			
4.10	Issue the **list for practical completion** and re-inspect upon request of the **contractor**			
4.11	Inspect the **works** at the end of the **defects** liability period			
4.12	Issue the **list for final completion** and re-inspect upon request of the **contractor**			
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5. Electrical engineer

The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection. Without derogating from the generality thereof the electrical engineer will perform the following specific functions and duties in respect of the electrical engineering aspects of the **works**:

5.1 Give opinion of aspects of the **works** which are not in accordance with the **agreement**

5.2 Supply the specified number of drawings

5.3 Issue instructions if **bills of quantities** is to be used as a specification

5.4 Receive and accept design documentation undertaken by **subcontractors**

5.5 Issue instructions to the **contractor** regarding:

5.5.1 Alteration to design, quality or quantity of the **works** provided that such instructions shall not substantially change the scope of the **works**

5.5.2 Removal of any **materials and goods** from the **site** and the substitution of any **materials and goods** therefor

5.5.3 Removal or re-execution of any work

5.5.4 Opening up of work for inspection

5.5.5 Testing of work and **materials and goods**

5.5.6 Protection of the **works**

5.5.7 Making good physical loss and repairing damage to the **works**

5.5.8 Compliance with Acts of Parliament, regulations and bylaws

5.6 Provide the **contractor** with the necessary information to set out the **works**

5.7 Acceptance of design by **subcontractors**

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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**

5.9 Inspect the **works** for **practical completion**

5.10 Issue the **list for practical completion** and re-inspect upon request of the **contractor**

5.11 Inspect the **works** at the end of the **defects** liability period

5.12 Issue the **list for final completion** and re-inspect upon request of the **contractor**

6. Wet services engineer

The wet services engineer is responsible for all the aspects of wet services engineering design and quality inspection. Without derogating from the generality thereof the wet services engineer will perform the following specific functions and duties in respect of the wet services aspects of the **works**:

6.1 Give opinion on aspects of the **works** which are not in accordance with the **agreement**

6.2 Supply the specified number of drawings

6.3 Issue instructions if **bills of quantities** is to be used as specification

6.4 Receive and accept design documentation undertaken by **subcontractors**

6.5 Issue instructions to the **contractor** regarding:

6.5.1 Alteration to design, quality or quantity of the **works** provided that such instructions shall not substantially change the scope of the **works**

6.5.2 Removal of any **materials and goods** from the **site** and the substitution of any **materials and goods** therefor

6.5.3 Removal or re-execution of any work

6.5.4 Opening up of work for inspection

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6.5.5 Testing of work and **materials and goods**

6.5.6 Protection of the **works**

6.5.7 Making good physical loss and repairing damage to the **works**

6.5.8 Compliance with Acts of Parliament, regulations and bylaws

6.6 Provide the **contractor** with the necessary information to set out the **works**

6.7 Acceptance of design by **subcontractors**

6.8 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**

6.9 Inspect the **works** for **practical completion**

6.10 Issue the **list for practical completion** and re-inspect upon request of the **contractor**

6.11 Inspect the **works** at the end of the **defects** liability period

6.12 Issue the **list for final completion** and re-inspect upon request of the **contractor**

7. Fire consultant

The fire consultant is responsible for all the aspects of rational fire design and quality inspection. Without derogating from the generality thereof the fire consultant will perform the following specific functions and duties in respect of the rational fire design aspects of the **works**:

7.1 Give opinion on aspects of the **works** which are not in accordance with the **agreement**

7.2 Supply the specified number of drawings

7.3 Issue instructions if **bills of quantities** is to be used as specification

7.4 Receive and accept design documentation undertaken by **subcontractors**

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7.5 Issue instructions to the **contractor** regarding:

7.5.1 Alteration to design, quality or quantity of the **works** provided that such instructions shall not substantially change the scope of the **works**

7.5.2 Removal of any **materials and goods** from the **site** and the substitution of any **materials and goods** therefor

7.5.3 Removal or re-execution of any work

7.5.4 Opening up of work for inspection

7.5.5 Testing of work and **materials and goods**

7.5.6 Protection of the **works**

7.5.7 Making good physical loss and repairing damage to the **works**

7.5.8 Compliance with Acts of Parliament, regulations and bylaws

7.6 Provide the **contractor** with the necessary information to set out the **works**

7.7 Acceptance of design by **subcontractors**

7.8 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**

7.9 Inspect the **works** for **practical completion**

7.10 Issue the **list for practical completion** and re-inspect upon request of the **contractor**

7.11 Inspect the **works** at the end of the **defects** liability period

7.12 Issue the **list for final completion** and re-inspect upon request of the **contractor**

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8. Health and safety consultant

The health and safety consultant is responsible for all aspects of health and safety. Without derogating from the generality thereof, the health and safety consultant will perform the following specific functions and duties in respect of the health and safety aspects of the **works**:

8.1 Act as the client's (**employer's**) agent in terms of Construction Regulations issued in terms of the Occupational Health and Safety Act,1993

8.2 Prepare and update the health and safety specification for the **works**

8.3 Agree with the **contractor** the health and safety plan for the **works**

8.4 Carry out regular audits to ensure adherence to the safety plan and compliance with the Act and Regulations

10 F:..... V:..... T:..... Item

11 Clause 7.0 - Design responsibility

F:..... V:..... T:..... Item

Insurance and security (A8-A11)

12 Clause 8.0 - **Works** risk

F:..... V:..... T:..... Item

13 Clause 9.0 - Indemnities

F:..... V:..... T:..... Item

14 Clause 10.0 - Insurances

F:..... V:..... T:..... Item

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15 Clause 11.0 - **Security**

Security for payment

The **employer** shall **not** provide to the **contractor** security for payment. [11.4.1,11.10]

The Employer shall not provide a payment guarantee however the Contractor shall waive his lien or right of continuous possession

Extension of waiver of lien

The contractor shall ensure that a waiver of lien is included in all subcontracts and that the **works** executed on the **site** are kept free of all liens and other encumbrances at all times [11.10]

16 F:..... V:..... T:..... Item

Execution (A12 - A17)

Clause 12.0 - Duties of the **parties**

Clause 12.1.2 - **Existing Premises (N/A)**

See Contract Data. Reference as [12.1.2]

Clause 12.1.3 - **Relevant natural features**

Trees may only be cut on approval by the Principal Agent

Clause 12.1.3 - **Known services**

Known services will be pointed out but the contractor must first contact the principal agent before any interference is allowed.

Clause 12.1.4 - **Site Restriction**

See Contract Data. Reference as [12.1.4]

Clause 12.1.5 - **Access to Services**

See Contract Data. Reference as [12.1.5]

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Clause 12.2.15 - **Enclosure of the works**

The contractor shall erect, maintain and remove at completion hoardings with gantries, fans, safety screens, barriers, access gates, covered gangways and the like as necessary for the enclosure of the works and elements thereof, all for the protection of the public and others [12.2.15]

Clause 12.2.18 - **Office accommodation**

The **contractor** shall erect, maintain and remove at completion airconditioned office accommodation with suitable tables and chairs for meetings to be held on the **site.** Such offices shall be kept clean and fit for use at all times [12.2.18]

Clause 12.2.18 - **Notice board**

The contractor shall erect in a position approved by the principal agent, maintain and remove at completion a notice board as recommended by the South African Institute of Architects listing the names and logos of the employer, the contractor and the professional consultants. No subcontractor or supplier notice boards may be erected [12.2.18]

Geotechnical investigation report

For the results, a geotechnical investigation report is attached to these Bills of Quantities

17 F:..... V:..... T:..... Item

18 Clause 13.0 - Setting out

Encroachments

The **contractor** shall notify the **principal agent** if any encroachment of adjoining foundations, buildings, structures, pavements, boundaries, services, etc exist in order that the necessary arrangements may be made for the rectification of any such encroachments [13.2.1]

F:..... V:..... T:..... Item

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19	Clause 14.0 - Nominated **subcontractors**			
	F:..... V:..... T:.....	Item		
20	Clause 15.0 - Selected **subcontractors**			
	F:..... V:..... T:.....	Item		
21	Clause 16.0 - **Direct contractors**			
	Attendance on direct contractors			
	In respect of **direct contractors** the **contractor** shall:			
	1. Designate an area for the **direct contractor** to establish a temporary office and workshop and storage of equipment and materials			
	2. Allow the use of personnel welfare facilities, where provided			
	3. Provide water, lighting and single phase electric power 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			
	4. Permit the **direct contractor** to use erected scaffolding, hoisting facilities, etc provided by the **contractor**, in common with others having the like right while it remains erected on the **site** [16.1]			
22	F:..... V:..... T:.....	Item		
23	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		
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Completion (A18 - A24)

24 Clause 18.0 - Interim completion

F:..... V:..... T:..... Item

25 Clause 19.0 - **Practical completion**

F:..... V:..... T:..... Item

26 Clause 20.0 - Sectional completion (N/A)

F:..... V:..... T:..... Item

27 Clause 21.0 - **Defects** liability period and **final completion**

F:..... V:..... T:..... Item

28 Clause 22.0 - **Latent defects** liability period

F:..... V:..... T:..... Item

29 Clause 23.0 - Revision of date for **practical completion**

Substitution of materials and goods

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 for the adjustment of the **contract value** [17.1.8, 23.1 & 2]

F:..... V:..... T:..... Item

30 Clause 24.0 - **Penalty** for late or non-completion

F:..... V:..... T:..... Item

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Payment (A25 - A27)

31 Clause 25.0 - Payment

Payment Days

The **Payment Certificates** will be paid within 21 days

Materials and goods stored off site

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]

Fluctuations in costs

All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the **contractor** [25.3.4]

32 **Prices submitted**

Where prices are submitted by the **contractor** or **subcontractor** during the progress 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 prices prior to the issue of the **certificate of final completion**, it shall be in writing

F:..... V:..... T:..... Item

33 Clause 26.0 - Adjustment of the **contract value** and **final account**

Tenant installations'/users' requirements delayed

There is a possibility that certain works related to tenant installations'/users' requirements may have to be delayed and may consequently not be executed prior to **practical completion**

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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

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 appurtenant to this work (if applicable) is agreed to between the **contractor** and the **principal agent** and on condition that instruction to proceed with such work is given to him within a period of three (3) calendar months after the date of **practical completion** of the **works**

34 **Cost of claims**

All costs incurred by the **contractor** in the preparation of claims shall be borne by the **contractor**

The **contractor** shall review, assess and adjudicate any claims received by him from any **subcontractor** and thereafter submit same to the **principal agent** with a recommendation to assist the **principal agent** in adjudicating the claim [26.6]

F:..... V:..... T:..... Item

35 Clause 27.0 - Recovery of expense and/or loss

F:..... V:..... T:..... Item

Suspension and termination (A28 - A29)

36 Clause 28.0 - Suspension by the **contractor**

F:..... V:..... T:..... Item

37 Clause 29.0 - Termination

F:..... V:..... T:..... Item

Dispute resolution (A30)

38 Clause 30.0 - Dispute resolution

F:..... V:..... T:..... Item

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39 **Agreement**

The required information of the **parties** and the amount of the **contract sum** shall be inserted in the **agreement** for signature of the **agreement** by the **parties**

F:..... V:..... T:..... Item

40 **Contract data**

Before submission of his tender the **contractor** is to complete the tenderer's selection in the **contract data**

Substitute Provisions

Refer to post tender Provisions

Contract data - Principal Building Agreement

41 The schedule: Information (Contract Data)

F:..... V:..... T:..... Item

Information necessary for completion of those clauses contained in the contract data which are necessary for tender purposes is given hereunder

1.1 **Employer**	**:** Independent Development Trust
Postal address	**:** North West Regional Office 4071 Joule Street Industrial Site Mmabatho 2735
Tel	**:** (018) 389 3000
Fax	**:** (086) 656 4152
E-mail	**:**
Physical Address	**:**

Carried to Collection R

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1.2 Principal Agent	: ISAGO ARCHITECTURE			
Postal Address	: 21 Emerald Street Riviera Park Mafikeng 2745			
Code	:			
Tel	:			
Fax	:			
E-mail	:			
1.3 **Agents service**	**: Architect**			
Agent (1)	**:** ISAGO ARCHITECTURE			
Postal Address	**:** PO Box			
Code	**:**			
Tel	**:**			
Fax	**:**			
E-mail	**:**			
1.4 Agents service	: **Quantity Surveyor**			
Agent (2)	: ITTS Quantity Surveyors			
Postal address	: PO Box			
Code	:			
Tel	:			
Fax	:			
E-mail	:			
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1.5 **Agents service**	**: Civil & Structural Engineers**			
Agent (3)	**:** Kebalen Logistics			
Postal address	**:** PO Box			
Code	**:**			
Tel	**:**			
Fax	**:**			
E-mail	**:**			
1.6 Agents service				
1.7 **Agents service**	**: Electrical Engineers**			
Agent (5)	**:** Ariona Engineering			
Postal address	**:** PO Box			
Code	**:**			
Tel	**:**			
Fax	**:**			
E-mail	**:**			
1.8 **Agents service**	**: OHS Consultants**			
Agent (6)	**:**			
Postal address	**:**			
Code	**:**			
Tel	**:**			
Fax	**:**			
E-mail	**:**			
	Carried to Collection		R	

1.8 Interest of Principal Agent or other agents in the project
Where "yes" the specific requirements are described below or detailed in the **contract document**

(yes/no)
[NO]

Details where "yes"

_____

2. CONTRACT AND SITE INFORMATION

2.1. The law applicable to agreement

(Country/State) **[RSA]**

2.2. Works Identification:

This project comprises of the Construction of New Bodibe Community Library atBodibe Village and associated siteworks.

2.3 Site Description:

The site is situated in Bodibe Village in North West Province
Coordinates: **26°03'37.1"S 25°51'39.4"E**.

2.4 Date on which possession of the site is intended to be given:

Appointment of Contractor
To be detemined

Possession of site by Contractor
To be detemined

2.5 Period for the commencement of the works after the Contractor takes possession of the site

(working day) **[5]**

2.6 Completion in sections is required:

(yes/no) **[NO]**
(no of sections) **[** *N/A***]**

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2.7 Waiver of contractors lien or right of continuing possession is required

(yes/no) **[YES]**

2.8 Defined restrictions to the **site** area. Where "yes" the specific requirements are described below or detailed in the **contract documents**

(yes/no) **[YES]**

2.9 Geotechnical investigation of the **site** has been undertaken. Where "yes" results are included in the **contract documents**

(yes/no)
[YES]

2.10 Existing premises will be occupied. Where "yes" the specific requirements are described below or detailed in the contract document**.**

(yes/no) **[NO]**

2.11 Provision of temporary services is required. Where "yes" the specific requirements are described below or detailed in the **contract documents**

(yes/no) **[YES]**

2.11.1 **Water** Option A **Contractor** - his cost
Option B **Employer** - free of charge
Option C **Employer** - metered (**contractor** cost)

(A,B or C) **[A]**

2.11.2 **Electricity** Option A **Contractor** - his cost
Option B **Employer** - free of charge
Option C **Employer** - metered (**contractor** cost)

(A,B or C) **[A]**

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2.11.3 **Telecom** cost — Option A **Contractor** - his cost

Option B **Employer** - free of charge

Option C **Employer** - metered cost) (**contractor**

(A,B or C) **[A]**

2.11.4 **Ablutions** — Option A **Contractor** - his cost

Option B **Employer** - Free of charge

(A or B) **[A]**

Place and position of ablutions must be done in accordance with the principal agent's instructions.

2.12 Protection of existing trees and shrubs is required. Where "yes" the specific requirements are described below or detailed in the contract documents
Trees and plants that are to be removed will be pointed out by the Principal Agent (removal elsewhere included in these Bills of Quantities)

(yes/no) [NO]

3. INSURANCES

3.1 Contract works insurance to be effected by

(Employer/Contractor) **[CONTRACTOR]**

For the sum of: **CONTRACT SUM PLUS 20%**

With a deductible of: **AS PER POLICY**

3.2 Supplementary/special insurance is required. The Employer is responsible for effecting this insurance

(Employer/Contractor) **[Not Applicable]**

For the sum of:

With a deductible of:

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3.3 Public liability insurance to be effected by

(Employer/Contractor) **[CONTRACTOR]**

For the sum of: **R5,000,000.00**

With a deductible of:

The Contractor is to effect this insurance. The Contractor must also insure for all the risks related to his own activities as no liability will be taken by the Employer or anybody else for the negligent actions of the Contractor. All actions must be taken by the Contractor to secure the works and interests of both parties

3.4 Support insurance to be effected by

(Employer/Contactor) **[NOT APPLICABLE]**

For the sum of **R**

With a deductible of **R**

3.5 Special insurance to be effected by

(Employer/Contractor) **[NOT APPLICABLE]**

For the sum of **R**

With a deductible of **R**

4. PRACTICAL COMPLETION AND PENALTIES

4.1 Intended date of practical completion and the penalty per calender day for the works as a whole:

Date: **12months**

Penalty amount per calendar day: **2,75 cents per R100**

4.2 Intended date of practical completion and the penalty per calendar day for work in sections:

5. DOCUMENTS AND GENERAL

5.1 Number of construction document copies to be supplied free of charge

(no of) **[3]**

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5.2 The **priced document** may be used as a specification of **materials and goods** and work methods
(yes/no) **[NO]**

5.3 The Contractor shall provide a schedule of rates

(yes/no) **[NO]**

(Addendum No) [ ]

5.4 Details of changes made to the provisions of **JBCC** standard documentation as contained herein

(yes/no) **[YES]**

(Addendum No) **[A]**

5.5 On acceptance of the Tender, the Bills of Quantities/lump sum document is to be submitted within the stated **working days - forms part of Tender**

(No of) **[0]**

5.6 Work to be undertaken by direct contractors

(yes/no) **[NO]**

(Addendum No) [ ]

5.7 Manuals related to the works must be submitted to the Principal Agent as listed below: To be given during the construction period: Co ordinated by the Principal Agent

5.8 Interim **payment certificate** to be issued by

(Date of month) **[15]**

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SECTION B - PRELIMINARIES: MARCH 2014: PUBLISHED BY THE ASAQS

Interpretation (B1)

42 Clause 1.1 - Definitions

F:..... V:..... T:..... Item

43 Clause 1.2 - Interpretation

F:..... V:..... T:..... Item

Documents (B2)

44 Clause 2.1 - Checking of documents

F:..... V:..... T:..... Item

45 Clause 2.2 - Provisional **bills of quantities**

46 **Multiple procurement**

These **bills of quantities** are in multiple procurement format ie the "wet trades" - earthworks, concrete, formwork and reinforcement, precast concrete, masonry, waterproofing and sub-surface drainage - are provisionally measured and the subsequent trades are **budgetary allowances** and/or **provisional sums**

F:..... V:..... T:..... Item

47 Clause 2.3 - Availability of **construction information**

Budgetary allowances and provisional sums

The **budgetary allowances** and/or **provisional sums** allocated for subsequent trades included in this **agreement** will be separately procured, based on multiple procurement of **subcontractors** during the **construction period**

F:..... V:..... T:..... Item

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	Previous work and adjoining properties (B3)			
48	Clause 3.1 - Previous work - dimensional accuracy			
	F:..... V:..... T:.....		Item	
49	Clause 3.2 - Previous work - **defects**			
	F:..... V:..... T:.....		Item	
50	Clause 3.3 - Inspection of adjoining properties			
	F:..... V:..... T:.....		Item	
	Samples, shop drawings and manufacturer's instructions (B4)			
51	Clause 4.1 - Samples of materials			
	F:..... V:..... T:.....		Item	
52	Clause 4.2 - Workmanship samples			
	F:..... V:..... T:.....		Item	
53	Clause 4.3 - Shop drawings			
	F:..... V:..... T:.....		Item	
54	Clause 4.4 - Compliance with manufacturer's instructions			
	F:..... V:..... T:.....		Item	
	Deposits and fees (B5)			
55	Clause 5.1 - Deposits and fees			
	F:..... V:..... T:.....		Item	
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	Temporary services (B6): Clause 6.1, 6.2, 6.3 and 6.4: "Refer to Contract and Site Information" ((2.1 - 2.11) of this document (these Bills of Quantities)			
56	Clause 6.1 - Water			
	F:..... V:..... T:.....	Item		
57	Clause 6.2 - Electricity			
	F:..... V:..... T:.....	Item		
58	Clause 6.3 - Ablution and welfare facilities			
	F:..... V:..... T:.....	Item		
59	Clause 6.4 - Communication facilities			
	F:..... V:..... T:.....	Item		
	Prime cost amounts (B7)			
60	Clause 7.1 - Responsibility for **prime cost amounts**			
	Attendance on subcontractors (B8)			
61	Clause 8.1 - General attendance			
	F:..... V:..... T:.....	Item		
62	Clause 8.1 - Special attendance			
	Where provisional sums are stated any requirements for special attendance shall be inserted against the claims for each n/s Sub-contractor separately. Refer to provisional sums			
	F:..... V:..... T:.....	Item		
	General (B9)			
63	Clause 9.1 - Protection of the **works**			
	F:..... V:..... T:.....	Item		
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64	Clause 9.2 - Protection/isolation of existing/sectionally occupied **works**				
65	Clause 9.3 - Security of the **works**				
	F:..... V:..... T:.....		Item		
66	Clause 9.4 - **Notice** before covering work				
	F:..... V:..... T:.....		Item		
67	Clause 9.5 - Disturbance				
	F:..... V:..... T:.....		Item		
68	Clause 9.6 - Environmental disturbance				
	Controlling all forms of pollution				
	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 *inter alia* to noise, artificial light, wind-blown sand, dust, deposits of mud, etc				
	The **contractor** is to ensure that all roads which border the **site** and is used by the **contractor** during the execution of the **works** are kept clean and free of any dirt or debris caused by the execution of the **works**				
69					
	F:..... V:..... T:.....		Item		
70	Clause 9.7 - **Works** cleaning and clearing				
	F:..... V:..... T:.....		Item		
71	Clause 9.8 - Vermin				
	F:..... V:..... T:.....		Item		
72	Clause 9.9 - Overhand work				
	F:..... V:..... T:.....		Item		
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Schedule (B10)

Information necessary for elections and completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder. Where no information is given it shall mean that no specific requirements are expected or that the clause is not relevant to this specific contract

10.1 - Provisional Bills of Quantities **[clause 2.2]**

The quantities are provisional

(yes/no) **[YES]**

10.2 - Availability of construction documentation **[clause 2.3]**

Construction documentation is complete

(yes/no) **[YES]**

10.3 - Previous work - dimensional accuracy [clause 3.1]

[N/A]

10.4 - Previous work - defects [clause 3.2]

[N/A]

10.5 - Inspection of adjoining properties [clause 3.3]

(yes/no) **[YES]**

10.6 - Water [6.1]

Option A (by **contractor**) Yes/No **[YES]**

Option B (by **employer** - free of charge) Yes/No

Option C (by **employer** - metered) Yes/No

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10.7 - Electricity [6.2]

Option A (by **contractor**) Yes/No
[YES]

Option B (by **employer** - free of charge) Yes/No

Option C (by **employer** - metered) Yes/No

10.8 - Ablution and welfare facilities [6.3]

Option A (by **contractor**)
Yes/No **[YES]**

Option B (by **employer**)
Yes/No

10.9 - Communication facilities [6.4]

10.10 - Protection of the **works** [9.1]

10.11 - Protection/isolation of existing/sectionally occupied **works** [9.2]

Protection/isolation is required Yes/No
[YES]

10.12 - Disturbance [clause 9.5]

All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the **construction period** or **contract value** whatsoever

10.13 - Environmental disturbance [clause 9.6]

Extreme care must be taken not to disturb the direct environment, natural of otherwise

Carried to Collection R

Section No. 1
Bill No. 1

SECTION C: SPECIFIC PRELIMINARIES

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

73 **C1.0 CONTRACT DRAWINGS**

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

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

F:..... V:..... T:..... Item

74 **C2.0 GENERAL PREAMBLES**

The document "Specification of Materials and Methods to be used (PW371)" is obtainable on the Department's website (http://www.publicworks.gov.za/ under "Consultants Guidelines"), and shall be read in conjunction with the **bills of quantities / lump sum document** and be referred to for the full descriptions of work to be done and materials to be used

F:..... V:..... T:..... Item

75 **C3.0 TRADE NAMES**

Wherever a trade name for any product has been described in the **bills of quantities / lump sum document**, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the **principal agent** being obtained prior to the closing date for submission of tenders

If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for

F:..... V:..... T:..... Item

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76	**C4.0 IMPORTED MATERIALS AND EQUIPMENT** Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer) Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable) F:..... V:..... T:.....		Item		
77	**C5.0 VIEWING THE SITE IN SECURITY AREAS** The **site** is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the **site** for tendering purposes F:..... V:..... T:.....		Item		
78	**C6.0 COMMENCEMENT OF WORKS IN SECURITY AREAS** As the **works** falls within a security area the **contractor** must give the unit commander or other responsible officer notice before commencement of the **works**. Should the **contractor** fail to make such arrangements, admission to the **site** may be refused and any additional costs will be for the **contractor's** account F:..... V:..... T:.....		Item		
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79 **C7.0 ENTRANCE PERMITS TO SECURITY AREAS**

As the **works** falls within a security area the **contractor** shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer

F:..... V:..... T:..... Item

80 **C8.0 SECURITY CHECK OF PERSONNEL**

The **principal agent** may require the **contractor** to have his personnel and workmen, or a certain number of them, security classified

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

F:..... V:..... T:..... Item

81 **C9.0 PROHIBITION ON TAKING OF PHOTOGRAPHS**

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

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

F:..... V:..... T:..... Item

Carried to Collection R

Section No. 1
Bill No. 1

82 **C10.0 OCCUPATIONAL HEALTH AND SAFETY ACT**

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

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

The **contractor** must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the **principal agent,** notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment

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

F:..... V:..... T:..... Item

SUMMARY OF CATEGORIES

Category : Fixed R.....

Category : Value R.....

Category : Time R.....

Carried to Collection R

Section No. 1
Bill No. 1

Section 1: Preliminaries

Bill No. 1

Preliminaries

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Section 1: Preliminaries

Bill No. 1

Preliminaries

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Section No. 1
Bill No. 1

Item No		Unit	Quantity	Rate	Amount

SECTION 2

BILL NO. 1: DEMOLITIONS

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

NOTE: All unit rates must take into account and will be assumed to include all applicable taxes. No additional claims relating to taxes will be entertained.

SUPPLEMENTARY PREAMBLES

Removal of trees

Removal of trees is to be avoided. Only those that are deemed to be in the way will be removed. No trees will be removed without the approval of the Project manager.

Existing services

Demolitions of buildings, services, external works, site services, etc. are to include for proper and approved termination of services.

All existing services will be stopped at appropriate connection points. Care shall be taken not to disrupt services to neighbouring residential areas inadvertently.

During this process also, access to the site itself for works shall be constructed and a potential sitting of offices to be used during construction shall be identified.

The Contractor is responsible for disconnection of all utilities, plugging of sewer taps, or connection.

Hazardous materials

Demolitions of buildings, services, external works, site services, etc. are to include for the safe removal and disposal of asbestos or asbestos products or other hazardous materials

Carried to Collection R

Section No. 2
Bill No. 1

Nature and extent

The Contractor shall completely demolish the buildings, etc in a careful, skilful, practical and safe manner including breaking and crabbing all foundation materials, etc
Demolitions shall include breaking up and removing: all floors and surface beds including foundations; all external screen walls, steps, ramps, aprons, surface water channels, rainwater sumps, gulleys, etc attached to the building to be demolished; all services, manholes, etc in ground to a point not less than 1m beyond the perimeter of the building including plugging off ends of all remaining pipes, drains, etc, filling in holes where necessary and ramming and levelling to ground level.

Disposal of debris, etc.

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

The Contractor shall provide all labor and equipment necessary for the removal and disposal of the structures identified

Debris shall be taken off site throughout the demolition process. The Contractor shall not allow debris to accumulate during demolition.

Cart away of excavated material

Descriptions of cart away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or from stock piles situated on the building site

Disposal of Construction Demolition waste.

The contractor is further referred to Construction and Demolitions Waste Specification attached to this document.

Environmental Management Plan

The contractor is further referred to Environmental Management Plan Specification attached to this document.

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Section No. 2
Bill No. 1

	Health and Safety Plan Occupational Health and Safety considerations including environmental considerations will be made to ensure the works are undertaken with full compliance to the relevant regulations. The Contractor shall document the current conditions of all roadways, sidewalks and all structures to remain in the demolition area. In addition, all roadways along the haul routes shall be documented. The Contractor shall prepare a Contractor Safety Plan to affirm the commitment to the Safety Program and identify the procedures to be used to satisfy the requirements of the Program. The contractor is further referred to Construction Health and Safety Specification attached to this document.				
	DEMOLITIONS ETC: Refer to (Drwg No: 9700 SITE 100)				
	Demolitions of ablution block including disposal thereafter.				
1	Single storey toilet block with double pitch roof, approximately 15m2 on plan and 3m average high at eaves, comprising reinforced concrete surface bed, strip footing, precast concrete panels on both external & internal walls and timber roof structure.	m2	15		
	Demolitions of corrugated and timber shacks including disposal thereafter.				
2	Single storey shack with mono pitch roof, approximately 15m2 on plan and 2,2m average high at eaves, comprising reinforced concrete surface bed, strip footing, corrugated sheeting walls and timber roof structure.	m2	15		
	Taking down and removing fencing including poles and set aside				
3	Palisade Fence 2400mm high with posts cast into concrete bases at 2000mm centres, with and including Gates	m	250		
	Carried to Collection			R	

Section No. 2
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	RUBBLE REMOVAL, ETC				
	Removal of rubbish, etc				
4	Remove from site all rubbish, or unwanted materials on site and cart away to the dumping site to be directed by the Project Manager		Item		
	BUDGETARY ALLOWANCES				
	DISCONNECTION OF SERVICES (PROVISIONAL)				
5	Allow the Provisional Amount of R20 000.00 (Twenty Thousand Rand) NET for disconnection of Water and Sewer Services and diversion thereof		Item		20 000.00
6	Allow the Provisional Amount of R20 000.00 (Twenty Thousand Rand) NET for Demolishing of Existing Electrical Infrastructure on Site.		Item		20 000.00
	REFURBISHMENT OF EXISTING BOREHOLES (PROVISIONAL)				
7	Allow the Provisional Amount of R 140 000.00 (One Hundred and Forty Thousand Rand) NET for Refurbishment of boreholes		Item		140 000.00
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Section No. 2
Bill No. 1

Section 2: Main Building

Bill No. 1

Demolitions

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Section No. 2
Bill No. 1

Item No		Quantity	Rate	Amount

SECTION 2

BILL NO. 2: EARTHWORKS (PROVISIONAL)

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

SUPPLEMENTARY PREAMBLES

TRADE NAMES

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 written approval from the Representative / Agent

SOILS INVESTIGATION REPORT

A soils investigation has been carried out on site by the engineer and the report can be viewed at the Engineer's offices.

NATURE OF GROUND

Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above soil investigation report, and where conditions of a more difficult character are indicated, these are separately measured

EXCAVATIONS IN CONDITIONS OTHER THAN "EARTH"

Should the contractor consider that the excavation at any point are in "soft rock" or "hard rock", he must notify the Representative / Agent immediately in order that an inspection may be made and a decision arrived at by the Representative / Agent as to the category of such excavation. Should the contractor fail to give such notification, the excavation shall be deemed to be in earth and shall be valued accordingly

SUBTERRANEAN WATER

The information on subterranean water is included in the soils investigation report can be viewed at the Engineer's offices.

Carried to Collection R

Section No. 2
Bill No. 2

WORKING SPACE

Formwork and working space has been measured to the sides of concrete wall footings & bases and no formwork or additional backfilling necessary due to over excavations will be measured to wall footings. Backfilling to such over excavations areas must be compacted to the same degree and in the same manner as the backfilling to the remainder of such excavation, only required if specified by the Engineer.

CART AWAY OF EXCAVATED MATERIAL

Descriptions of cart away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or from stock piles situated on the building site

EXCAVATION, FILLING, ETC

Excavation in earth or compacted filling not exceeding 2m deep

1	Ground beams not exceeding 2m deep	m3	60		
2	Trenches	m3	227		
3	Holes	m3	46		
	Extra over excavations in earth for exacavation in:				
4	Soft rock	m3	13		
5	Hard rock	m3	7		
	Extra over all excavations for carting away				
6	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	207		
	Risk of collapse of excavations				
7	Sides of trench and hole excavations not exceeding 1,5mm deep	m2	533		
	Keeping excavations free of water				
8	Keeping excavations free of water		Item		

Carried to Collection R

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	FILLING, ETC				
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 100% Mod AASHTO density				
9	Backfilling to trenches, holes, etc	m3	31		
	Earth filling supplied by the contractor compacted to 95% Mod AASHTO density				
10	Under floors, steps, pavings, etc	m3	188		
	Earth filling of G5 material supplied by the contractor compacted in 150mm layers compacted to 98% Mod AASHTO to density				
11	Under floors, steps, pavings, etc	m3	186		
	32mm gravel filling supplied by the contractor				
12	In Ducts	m2	8		
	Coarse river sand filling supplied by the contractor				
13	Under floors etc	m3	63		
	Compaction of surfaces				
14	Compaction of ground surface under floors, etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	1 250		
	Prescribed density tests on filling				
15	"Modified AASHTO Density" test	No	31		
	SOIL POISONING AND PROTECTION AGAINST TERMITES				
	Soil insecticide under a 10 year guarantee by firm of specialist				
16	Under floors, etc including forming and poisoning shallow furrows etc and filling in furrows and ramming	m2	1 250		
17	To bottoms and sides of trenches, etc	m2	798		
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Section 2: Main Building

Bill No. 2

Earthworks (Provisional)

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SECTION 2

BILL NO. 3: CONCRETE, FORMWORK AND REINFORCEMENT

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

SUPPLEMENTARY PREAMBLES

TRADE NAMES

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 written approval from the Representative / Agent

FORMWORK TO BASES, PILE CAPS, ETC

Description of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use

The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.

Formworks to soffits of solid etc shall be deemed to be slabs not exceeding 250mm thick unless otherwise described

Formwork to sides of bases, pile caps, etc will only be measured where it is prescribed for design reasons

Formwork necessitated by irregularity or collapse of excavated surfaces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"

Carried to Collection R

Section No. 2
Bill No. 3

	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	15MPa/19mm Concrete in:				
1	Blinding under footings and bases	m3	5		
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25 MPa/19mm Concrete in:				
2	Raft concrete slab on waterproof sheeting.	m3	167		
3	Concrete beams.	m3	60		
4	Plinth	m3	19		
5	Strip footings	m3	16		
6	Aprons, ramps and steps.	m3	35		
	REINFORCED CONCRETE				
	25 MPa/19mm Concrete in:				
7	Surface beds cast in panels on waterproofing	m3	18		
8	Vanity slabs, cupboard slabs, cover slabs, etc	m3	0.4		
9	Filling to cavity of hollow walls	m3	29		
10	Slabs including beams and inverted beams	m3	5		
11	Beams	m3	12		
12	Ring beams	m3	16		
	30 MPa Concrete in:				
13	Bases	m3	3		
14	Columns	m3	55		
	Carried to Collection			R	

Section No. 2
Bill No. 3

	TEST BLOCKS				
15	Making and testing 150 x 150 x 150mm concrete strength test cube and submit report to the Representative / Agent (only successful tests will be paid for)	No	81		
	MOVEMENT JOINTS, ETC				
	Movement joints, etc				
16	10mm Bitumen impregnated fibre board built in vertically between concrete and brick walls	m	50		
17	12mm Bitumen impregnated fibre board built in vertically between concrete surfaces	m	238		
	Saw cut joints				
18	4 x 30mm Saw cuts in top of concrete	m	1 233		
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a power float				
19	Surface beds, slabs, etc	m2	667		
	Finishing top surfaces of concrete smooth with a wood float				
20	Surface beds, slabs, etc	m2	705		
	ROUGH FORMWORK (DEGREE OF ACCURACY III)				
	Rough formwork to soffits and sides				
21	Slabs propped up exceeding 1500mm and not exceeding 3000mm high	m2	36		
22	Vanity slabs, cupboard slabs, cover slabs, etc propped up not exceeding 1500mm high	m2	6		
23	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m	431		
24	Rectangular columns	m2	2		
25	Sides of Beams	m2	164		
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26	Soffits of Beams	m2	74		
	Smooth formwork to circular columns				
27	300mm Diameter columns exceeding 3,5m and not exceeding 5m high	No	5		
28	800mm Diameter columns exceeding 3,5m and not exceeding 5m high	No	1		
	Rough formwork to form				
29	Opening not exceeding 1m girth through not exceeding 300mm slab	No	10		
	REINFORCEMENT				
	Mild steel reinforcement to structural concrete work				
30	10mm Diameter bars	t	0.34		
	High tensile steel reinforcement to structural concrete work				
31	10mm Diameter bars	t	4.02		
32	12mm Diameter bars	t	26.58		
33	16mm Diameter bars	t	14.33		
	Fabric reinforcement				
34	Mesh reinforcement with mesh reference number 193 laid in concrete surface beds, slabs, etc with 300mm wide side and end laps (measured net)	m2	284		
35	Mesh reinforcement with mesh reference number 245 laid in concrete surface beds, slabs, etc with 300mm wide side and end laps (measured net)	m2	97		
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Bill No. 3

Section 2: Main Building

Bill No. 3

Concrete, Formwork and Reinforcement

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	SECTION 2				
	BILL NO. 4: PRECAST CONCRETE				
	PRECAST CONCRETE				
	NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.				
	SUPPLEMENTARY PREAMBLES				
	TRADE NAMES				
	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 written approval from the Representative / Agent				
	SIZES				
	Blocks, sills, etc measured linear shall be made in suitable lengths. Large size setting out drawings shall be prepared where necessary and submitted to the architect for approval before moulds are made				
	GENERAL				
	Where kerbstones, blocks, etc are laid in ground descriptions shall be deemed to include necessary excavation, filling in and ramming				
	PRECAST CONCRETE				
1	450mm Wide x 510mm High benches including building into position on brick wall as Detail DT56 attached at back of these bill of quantities	m	14		
	Approved precast concrete window system with 6.8mm safety glass panels				
2	Type M - 45 degree 600 x 600 x 250mm	No	16		
	Carried to Collection			R	
	Section No. 2 Bill No. 4				

	Approved Precast Concrete coping set horizontally and bedded in 1:3 cement mortar over 230mm brick papapet walls (elsewhere measured) and finished smooth on all exposed faces with angles rounded and including flush pointing				
3	Balusters Copings Precast concrete coping, size 90mm deep Type 010	m	41		
	Carried to Collection			R	

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Bill No. 4

Section 2: Main Building

Bill No. 4

Precast Concrete

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Item No		Quantity	Rate	Amount

SECTION 2

BILL NO. 5: MASONRY

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

SUPPLEMENTARY PREAMBLES

BRICKWORK

Sizes in descriptions

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

Hollow walls etc

Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.

Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixeal" bitumen emulsion waterproofing coating.

User note:

The above preamble generally applies for works in hot and humid coastal areas

Face bricks

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

Pointing

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

Carried to Collection R

Section No. 2
Bill No. 5

BLOCKWORK

Concrete masonry units

Blocks are to be either solid or hollow modular dense concrete masonry units having a compressive strength of 7 MPa

Wall ties for blockwork

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

Blockwork

Blockwork shall comply with SABS 0145 "Concrete Masonry Construction"

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

Standard complementary blocks

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

DECORATIVE BLOCKS

Blocks shall be of approved manufacture, sound, well burnt or cured and uniform and true in size, shape and colour

Carried to Collection R

Section No. 2
Bill No. 5

	SAMPLES				
	Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site				
	FOUNDATIONS (PROVISIONAL)				
	Brickwork of NFX bricks (14 MPA nominal compressive strength) in class I mortar				
1	One brick walls	m2	22		
2	270mm cavity walls complete with cavity wall ties at vertical centres not exceeding 300mm	m2	26		
	SUPERSTRUCTURE				
	Brickwork in NFP clay bricks (7 Mpa nominal compressive strength) in Class II mortar				
3	Half brick walls	m2	124		
4	One brickwall in beamfilling	m2	46		
5	Half brick linings to concrete	m2	10		
6	One brick walls	m2	418		
7	One brickwall in beamfilling	m2	175		
8	One brickwall in firewalls	m2	100		
9	270mm cavity walls complete with cavity wall ties at vertical centres not exceeding 300mm	m2	1 012		
10	Piers	m3	25		
	BRICKWORK SUNDRIES				
	Bagging of 3:1 sand and cement mixture				
11	On brick surfaces	m2	51		
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	Joint forming material in movement joints				
12	Movement joint formed of 20mm softboard built in vertically between brickwork (Provisional)	m2	163		
	Brickwork reinforcement				
13	75mm Wide reinforcement built into brick walls with sufficient laps at end joints, angles and intersections (measured net)	m	600		
14	150mm Wide reinforcement built into brick walls with sufficient laps at end joints, angles and intersections (measured net)	m	5 626		
	Approved prestressed fabricated lintels				
15	110 x 75mm Lintels in lengths not exceeding 3m	m	414		
16	150 x 75mm Lintels in lengths not exceeding 3m	m	20		
	Turning pieces				
17	To flat brick lintels not exceeding 300mm wide	m	819		
	Galvanised hoop iron cramps, ties, etc				
18	38 x 1,6mm Galvanised hoop iron roof tie with one end built six courses deep into top of brickwork and other end wrapped around and nailed to trusses (Provisional)	No	192		
	Air bricks etc				
19	229 x 152mm Precast concrete vermin proof air bricks with gauze backing and building into brickwork in cement mortar	No	70		
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Section No. 2
Bill No. 5

	Polystyrene Cavity Wall Insulation				
	40mm Medium Density (15 - 16 kg/m3) Expanded Polystyrene Cavity Wall Insulation with thermal insulation R-value of 1 for cavity wall insulation in new residential buildings				
20	EPS boards fixed to the cavity face of the leading tier with wire ties which are additional to the cavity ties specified. These additional ties may be standard cavity ties or may be made from 2mm diameter L-shaped galvanized wire. They must be installed at the same height and mid-way between the specified cavity ties. The EPS boards must be held firmly in place while these additional ties are bent in position. Ties are bent up and down alternately to secure the lower and upper edges of the EPS boards.	m2	915		
	FACE BRICKWORK				
	20-30mpa Country Classic Travertine Imperial FBX clay face brick, size 222 x 106 x 73mm, manufactured in accordance with SANS 227:2007, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints.				
21	Extra over ordinary brickwork for facing and pointing in stretcher bond in foundations (Provisional)	m2	37		
22	Extra over ordinary brickwork for facing and pointing in stretcher bond	m2	916		
23	Extra over ordinary brickwork in beamfilling for facing and pointing in stretcher bond	m2	46		
24	Extra over brickwork for face brickwork faced on both sides	m2	187		
25	Extra over brickwork in NFX bricks for face brickwork in piers	m2	272		
26	80mm Cut linings to concrete	m2	5		
27	Fair raking cutting	m	1		
28	Face brick-on-edge flat lintel course in cement mortar 220mm wide on soffit and pointing on 110mm wide projecting soffit and one side	m	136		
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29	Fair cutting and fitting around pipe not exceeding 100mm diameter	No	14		
30	Fair cutting and fitting around pipe exceeding 100mm and not exceeding 200mm diameter	No	11		
	20-30mpa Golden Wheat Travertine Imperial FBX clay face brick, size 222 x 106 x 73mm, manufactured in accordance with SANS 227:2007, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints.				
31	Extra over ordinary brickwork for facing and pointing in stretcher bond	m2	175		
	Brick-on-edge header course copings, sills, etc of ? face bricks pointed with recessed joints on all exposed faces				
32	Cut face brick-on-edge external window cill, 180mm wide, set sloping and slightly projecting in cement mortar and pointed on top, front edge and projecting soffit including all necessary fair raking cutting to facings under and fair and fitted ends	m	112		
	STONEWORK				
	Wall linings are as indicated on architect's drawings numbered ....., ..., ... and ..... annexed to these bills of quantities/accompanying these bills of quantities for tender purposes. Wall linings are to be fixed with phosphor bronze rods, expanding bolts and galvanised iron brackets.				
	300 x 300mm Natural stone Sand Stone Cladding (PC = R550/m2, Pointed Flush In Cement Mortar Including All Necessary Cutting And Waste				
33	110mm Thick in rectangular stones not exceeding 0,5m2 on face	m2	13		
	Carried to Collection			R	

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Bill No. 5

Section 2: Main Building

Bill No. 5

Masonry

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Section No. 2
Bill No. 5

Item No			Quantity	Rate	Amount
	SECTION 2				
	BILL NO. 6: WATERPROOFING				
	NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.				
	SUPPLEMENTARY PREAMBLES				
	Waterproofing				
	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				
	DAMPPROOFING OF WALLS AND FLOORS				
	One layer approved 375 micron embossed black polyethylene damp proof course				
1	In walls	m2	76		
	One layer 250 micron green polyethylene waterproof sheeting complying with SABS 952 Type C in widest practicable widths with all joints lapped and sealed with pressure sensitive tape all in strict accordance with the manufacturer's requirements				
2	Under surface beds	m2	1 555		
	WATERPROOFING TO ROOFS, BASEMENTS, ETC				
	4mm fully bonded waterproofing				
3	On walls	m2	23		
	Carried to Collection			R	

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Bill No. 6

	One layer waterproofing membrane sealed by means of adhesive with 75m side laps and 100mm end laps, laid under a ten year guarantee, to receive paint or stone protection (elsewhere)				
4	On flat roofs	m2	36		
5	Additional membrane 250mm girth at turn-ups including flashing strip 250mm girth and sealing top edge into groove with mastic	m	34		
	PROTECTIVE STONE DRESSING				
	19mm Crushed stone evenly spread				
6	50mm Thick on waterproofing to flat roofs	m2	36		
	JOINT SEALANTS, ETC				
	Two-part grey polysulphide sealing compound applied with a caulking gun, including backing cord, bond breaker, primer, etc				
7	In joints between frames and walls	m	193		
8	3 x 30mm In saw cut joints in floors	m	1 266		
	Antifungal silicone sealing compound				
9	10 x 10mm In vertical expansion joints, including raking out expansion joint filler as necessary	m	1 692		
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Bill No. 6

Section 2: Main Building

Bill No. 6

Waterproofing

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Bill No. 6

Item No			Quantity	Rate	Amount
	SECTION 2				
	BILL NO. 7: ROOF COVERINGS, ETC				
	NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.				
	SUPPLEMENTARY PREAMBLES				
	TRADE NAMES				
	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 written approval from the Representative / Agent				
	PROFILED METAL SHEETING AND ACCESSORIES				
	"Chromadek" Pre-coated "Klip-Lok" profile 0.58mm thick roll-formed in continuous lengths and cut to length by a pneumatic cut-off process from certified Zincalume AZ150 coated steel G550 with a Clean Colorbond colour coated finish to one side with a Mountain Mist backing coat fixed to timber or steel purlins using aluminium KL65 clips and class 3 fastners, in strict accordance with manufacturer's specifications at main building				
	Note				
	The Contractor is to submit a certificate signed by the merchant, stating that the galvanised roof covering supplied complies with the required thickness specified				
1	Roof covering with pitch not exceeding 25 degrees	m2	1 143		
	Carried to Collection			R	
	Section No. 2 Bill No. 7				

	SHEET METAL FLASHINGS, LININGS, COPINGS, ETC				
	"Chromadek" Pre-coated "Klip-Lok" profile 0.8mm thick roll-formed in continuous lengths and cut to length by a pneumatic cut-off process from certified Zincalume AZ150 coated steel G550 with a Clean Colorbond colour coated finish to one side with a Mountain Mist backing coat fixed to timber or steel purlins using aluminium KL65 clips and class 3 fastners, in strict accordance with manufacturer's specifications at main building				
2	Head wall flashing 408mm girth two times bent along girth	m	35		
3	Ridge capping 462mm girth	m	17		
4	Hip capping 462mm girth	m	115		
5	Valley gutter 462mm girth four times bend	m	34		
6	Expanded neoprene moulded narrow and broad rib closer raking at valleys or hips	m	6		
	ROOF AND WALL INSULATION				
	High reflection double sided bubble foil laminated insulation membrane with 10 to 25mm airspace combined thickness, Complaint with SANS 428 in terms of fire retardant with no combustibility at 750 degree celsius. Insulation excluded on building external walkways.				
7	Insulation laid taut over timber or steel purlins (at maximum 1200mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m2	1 143		
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Section No. 2
Bill No. 7

Section 2: Main Building

Bill No. 7

Roof Coverings, etc

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Bill No. 7

Item No		Quantity	Rate	Amount

SECTION 2

BILL NO. 8: CARPENTRY AND JOINERY

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

SUPPLEMENTARY PREAMBLES

Treatment against insect pests

Rates for all timber shall be deemed to include for treatment against insect pests

All softwood for this job shall be treated to combat and prevent the spread of certain insect pests in accordance with Government Gazette Notice No R451 of 28 March 1969 and any amendments thereto. Proof of treatment shall be lodged with the Employer prior to the use of any timber in the works.

Mitres, intersections, etc

Descriptions of timber which is given linear, angles, rebates, grooves, chamfers, moulded edges, etc . are to be deemed to include for mitres, intersections, splay cut ends, stops, etc

Descriptions of timber, etc shall be deemed to include for straight cutting and notching

Fixing

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

Items described as "plugged" shall be deemed to include for screwing to fibre, plastic or metal plugs at not exceeding 600mm centres or shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.

Descriptions are to be deemed to include for nails, screws, plugs, adhesives, holes, sin- kings, pelleting, etc

Carried to Collection R

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Structural timber

Descriptions of structural timber are to be deemed to include for joints in the length, holes, splay cut ends and mitres

All softwood structural timber shall be of stress grade V5 or M5 in accordance with SWABS specification 563 unless otherwise stated

Fascias, etc.

Descriptions of fibre cement fascias and barge boards shall be deemed to include for mitres, end junctions, screws, bolts, wall anchors, holes, etc.

Door frames

Rates for timber door frames shall be deemed to include for approved mild steel stay pegs in floors and hoop-iron clamps to walls, including holes, building in, etc

Particle board:

Particle board shall comply with the following specifications:

a) SABS 1300 Particle board: exterior and flooring type

b) SABS 1301 Particle board: interior type

Joinery:

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

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

Fixing

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

Decorative laminate finish:

Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish

Carried to Collection R

Section No. 2
Bill No. 8

PREFABRICATED METAL CONNECTOR PLATE TIMBER ROOF TRUSSES

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a. All the roof trusses to be designed and constructed with softwood structural timber to include for live loads, wind loads and to take profiled metal roof covering, purlins and fibre cement or gypsum plasterboard ceilings with brandering. Each roof truss shall have all its members accurately cut and close butted together and rigidly fixed by CSIR approved patented galvanised metal spike connectors, fixed on both sides of each intersection by an approved method, all in accordance with the manufacturer's instructions.

b. Unless otherwise described all rafter feet are to extend approximately 850mm beyond the length of the tie beam, with end splayed cut.

c. The design, manufacture and transportation of the roof trusses, bracing, etc. shall be under the control of a registered Engineer and it shall be required from the manufacturer of the trusses to lodge a written guarantee that his construction has been designed by a qualified Structural Engineer and that he is in possession of a capability certificate issued by the Institute for Timber Construction and approved by the Representitive/Agent

d. All timber shall be stress-graded pine or glued laminated timber for construction or engineering purposes in accordance with the specifications of SABS Specification No 563 or as defined in SABS Specification No.1245. Stress-grades shall be marked as specified, vix V4, M4, V6, M6, etc.

e. Erection must be carried out as described in "The Erection and Bracing of Timber Roof Trusses" published by the Truss Plate Association of South Africa Ltd. and the National Timber Research Institute, CSIR.

f. Descriptions of roof trusses shall be deemed to include for design, manufacture, supply, hoisting and fixing in position, trimming ends, notching, ALL TEMPORARY AND PERMANENT BRACING, fixing blocks, etc.

g. All timber must be Grade 7 as per table 3 of SABS 0163-2001

Carried to Collection R

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	h. All timber screws bolts plate connnection or any other type of connector to be in accordance with Annexure 'A' of SABS 0163-2001				
	i. All workshop drawings must be provided to the engineer for approval before fabrication				
	j. The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from the architect drawings and/or the site before design or fabrication commences				
	k. All timber to be treated in accordance with SABS 05				
	l. All exposed timber to be treated with carbolineum				
	m. All roof timber to be treated with fire retardant paint				
	Double Pitch Prefabricated Connector Plate Roof Trusses At 1000mm Maximum Centres With A Pitch Of 18 Degrees, Suitable For 0.55mm Thick Trapezoidal Rib Profile Roofing Sheets With 38 x 76mm Purlins At 1000mm Centres And Suspended Ceiling With Grid System, Gypsum Or Cladit Nailed Up Ceilings With 38 x 38mm Brandering				
1	Roof construction to suit rectangular shaped roof for library block with covered walkway, approximate size 31 894mm long x 38 486mm wide overall complete with 600mm eaves overhangs, including hoisting and fixing in position approximately 3150mm high above natural ground level.	m2	1 010		
2	Temporary and permanent bracing to suit the above roof truss designs.		Item		
	EAVES, VERGES, ETC				
	Tempered fibre-cement				
3	12 x 300mm Fascia board countersunk screwed to roof timbers (elsewhere) with two brass screws at maximum 1200mm centres and jointed with and including standard aluminium halfround cover strips at all joints	m	229		
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4	12 x 300mm Barge board countersunk screwed to roof timbers (elsewhere) with two brass screws at maximum 1200mm centres and nailed with steel nails into mortar joints at maximum 750mm centres and jointed with and including standard aluminium halfround cover strips at all joints	m	1 552		
5	Eaves soffit coverings 500mm wide of 4mm thick sheets, including 38 x 38mm sawn softwood brandering along edges, along centre and at 1,20m centres across sheets	m2	149		
6	Sloping eaves soffit lining in approximately 600mm widths fixed to and including 38 x 50mm sawn softwood brandering along both edges fixed to timber rafter feet at 1000mm centres with butt joints and 12 x 44mm wrot meranti cover strips along both edges and over joints fixed with 40mm wire nails at not exceeding 300mm centres. **(Provisional).**	m	120		
	SKIRTINGS				
	Wrought Meranti				
7	19 x 76mm Skirting with and including 19mm quarter round nailed to walls	m	650		
	DOORS				
	NOTE:				
	All framed and ledged batten doors and combination doors, where battens are utilised, shall only be of construction acceptable to the Department, i.e. mortice and tenon where the tenon is exposed on the outside edges of styles and where the tenon is wedged to form a dove tailed shape.				
	Wrought Meranti doors hung to steel frames				
8	Type A Emergency - 44mm x 813 x 2032mm high Meranti hardwood timber double door with 15 horizontal slates on both sides in two equal leaves.	No	1		
9	Type D1 GH - 44mm x 813 x 2032mm high Meranti hardwood timber double door with 15 horizontal slates on both sides in two equal leaves.	No	2		
10	Type B - 44mm Door 813 x 2100mm high with and including 700 x 500mm natural anodised aluminium louvers	No	6		
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	Semi-solid core flush panel timber door with hardboard edging, face suitable for paint on both sides, hung to steel frames				
11	Type C- 44 x 762 x 1882mm high	No	5		
	Hollow core flush doors with 3,2mm standard hardboard covering face suitable for paint on both sides, hung to steel frames				
12	40mm Double door, size 1626 x 2032mm high in two equal leaves	No	3		
	Door Sundries				
13	Cut opening size 788 x 440mm in flush door for louvre unit (louvre unit elsewhere measured).	No	9		
14	Cut opening size 200 x 900mm in flush door with and including glazing beads for viewing panel (glazing to viewing panel elsewhere measured).	No	4		
15	Undercut 813m wide door by 150mm, including additional framing and laminating at bottom.	No	5		
	DUCT COVERS				
	Laminated saligna				
16	32mm Duct covers in 310mm widths including chromium plated dome headed screws in cup washers at 800mm centres along edges	m2	4		
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Section 2: Main Building

Bill No. 8

Carpentry and Joinery

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SECTION 2

BILL NO. 9: JOINERY FITTINGS

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

SUPPLEMENTARY PREAMBLES

TRADE NAMES

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 written approval from the Representative / Agent

FITTINGS GENERAL

Where fittings have been measured as complete units i.e. the components of the units have not been separately measured, the descriptions of such units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork, paint or varnish finishes, etc

Unless specifically stated, or where no finish is given, finishes to all joinery fittings shall be three coats polyurethane clear semi-gloss varnish to all exposed surfaces

DRAWINGS

The references given in the descriptions are to the respective fittings detailed on the drawings accompanying these bills of quantities for tender purposes

PARTICLE BOARD

Particle board shall comply with the following specifications:

a) SABS 1300 Particle board: exterior and flooring type

b) SABS 1301 Particle board: interior type

Carried to Collection R

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	DECORATIVE LAMINATE FINISH Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish **CONSTRUCTION** Construction of fittings shall be generally of wood, screwed and glued with pelleted heads where visible. All materials used must be of the best quality fabricate approved by the Representative / Agent and all the units to be finished neat and true prior to installation and finishing **DOORS TO FITTINGS** Sizes of doors and drawers are approximate. Correct sizes must be taken from the fittings concerned				
	THE FOLLOWING IN GUARD HOUSE **Fittings To Guard House (As Per Architects Drawing Number ... Rev. 0)**				
1	345 x 30mm thick 'caesarstone' with polished finishing top and sides, fixed on plastered 115mm thick support brickwalls (by building contractor) by specialists.	m	3		
2	Kitchen floor cupboards size 1 800mm long x 605mm wide x 900mm high overall, including sink cut-out.	No	1		
3	U - Shaped 32mm Granite worktop with and including mounting brackets size 4 800mm girth x 570mm wide, mounted 925mm high from finish floor level.	No	1		
	THE FOLLOWING IN LIBRARY **L02 - HELP DESK COUNTERS TOPS, DESK TOPS & FLOOR UNITS.**				
4	345 x 30mm thick 'caesarstone' with polished finishing top and sides, fixed on plastered 115mm thick support brickwalls (by building contractor) by specialists.	m	14		
5	585 x 32mm Granite Desk top with and including mounting on brick walls	m	14		
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6	285 x 22mm thick solid 'meranti' planed all round dado with closed top ends and open bottom ends, plugged and screwed to 50 x 22mm thick planed all round sa pine cleats to finished brick wall plaster	m	14		
7	Two tier, adjustale shelves - exposed. - 16mm thick adjustable chipboard shelf as per drawings with 'melamine' finish to all surfaces, on studs and sockets - 2 pairs per shelf size 625mm long x 420mm wide x 705mm high overall.	No	2		
8	900mm long x 550 wide x 900mm High overall 5 drawer cabinets comprising base structure, sides, back made from melamine chipboard complete including all runners, ironmongery, skirting, drawer. 16mm thick chipboard panels with 'melamine' finish to all exposed surfaces. - doors, drawer front panels (where applicable), etc. and all edges to be provided with upvc impact edging trims to match 'melamine' finish	No	2		
	L02 - COMPUTER DESK COUNTERS TOPS & DESK TOPS.				
9	345 x 30mm thick 'caesarstone' with polished finishing top and sides, fixed on plastered 115mm thick support brickwalls (by building contractor) by specialists.	m	10		
10	585 x 32mm Granite Desk top with and including mounting on brick walls	m	10		
11	285 x 22mm thick solid 'meranti' planed all round dado with closed top ends and open bottom ends, plugged and screwed to 50 x 22mm thick planed all round sa pine cleats to finished brick wall plaster	m	10		
	L03 & L03a - AUDIO VISUAL ROOM COUNTERS TOPS & DESK TOPS.				
12	650 x 32mm Granite Desk top with and including mounting on brick walls	m	10		
13	Two tier, adjustale shelves - exposed. - 16mm thick adjustable chipboard shelf as per drawings with 'melamine' finish to all surfaces, on studs and sockets - 2 pairs per shelf size 1 380mm long x 420mm wide x 1050mm high overall.	No	4		
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	LJ04 - SERVICE FLOOR / WALL UNITS & WORK TOP.				
14	730 x 30mm thick 'caesarstone' with polished finishing top and sides, fixed on plastered 115mm thick support brickwalls (by building contractor) by specialists.	m	3		
15	2 500mm long x 1 138 wide x 900mm High overall Floor unit comprising base structure, sides, back made from melamine chipboard complete including all runners, ironmongery, skirting, drawer. 16mm thick chipboard panels with 'melamine' finish to all exposed surfaces. - doors, drawer front panels (where applicable), etc. and all edges to be provided with upvc impact edging trims to match 'melamine' finish	No	1		
16	2 500mm long x 750 wide x 900mm High overall Wall unit comprising base structure, sides, back made from melamine chipboard complete including all runners, ironmongery, skirting, drawer. 16mm thick chipboard panels with 'melamine' finish to all exposed surfaces. - doors, drawer front panels (where applicable), etc. and all edges to be provided with upvc impact edging trims to match 'melamine' finish	No	1		
	LJ05 & 06 - SERVICE FLOOR / WALL UNITS & WORK TOP.				
17	345 x 30mm thick 'caesarstone' with polished finishing top and sides, fixed on plastered 115mm thick support brickwalls (by building contractor) by specialists.	m	3		
18	900mm long x 550 wide x 900mm High overall 5 drawer cabinets comprising base structure, sides, back made from melamine chipboard complete including all runners, ironmongery, skirting, drawer. 16mm thick chipboard panels with 'melamine' finish to all exposed surfaces. - doors, drawer front panels (where applicable), etc. and all edges to be provided with upvc impact edging trims to match 'melamine' finish	No	1		
19	Two tier, adjustale shelves - exposed. - 16mm thick adjustable chipboard shelf as per drawings with 'melamine' finish to all surfaces, on studs and sockets - 2 pairs per shelf size 625mm long x 420mm wide x 705mm high overall.	No	1		
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20	2 500mm long x 750 wide x 900mm High overall Wall unit comprising base structure, sides, back made from melamine chipboard complete including all runners, ironmongery, skirting, drawer. 16mm thick chipboard panels with 'melamine' finish to all exposed surfaces. - doors, drawer front panels (where applicable), etc. and all edges to be provided with upvc impact edging trims to match 'melamine' finish	No	1		
21	Kitchen floor cupboards size 1 800mm long x 605mm wide x 900mm high overall, including sink cut-out.	No	1		
	LJ07 - OFFICE FLOOR UNITS & WORK TOP.				
22	345 x 30mm thick 'caesarstone' with polished finishing top and sides, fixed on plastered 115mm thick support brickwalls (by building contractor) by specialists.	m	10		
23	2 500mm long x 1 138 wide x 900mm High overall Floor unit comprising base structure, sides, back made from melamine chipboard complete including all runners, ironmongery, skirting, drawer. 16mm thick chipboard panels with 'melamine' finish to all exposed surfaces. - doors, drawer front panels (where applicable), etc. and all edges to be provided with upvc impact edging trims to match 'melamine' finish	No	2		
24	2 500mm long x 750 wide x 900mm High overall Wall unit comprising base structure, sides, back made from melamine chipboard complete including all runners, ironmongery, skirting, drawer. 16mm thick chipboard panels with 'melamine' finish to all exposed surfaces. - doors, drawer front panels (where applicable), etc. and all edges to be provided with upvc impact edging trims to match 'melamine' finish	No	2		
	LJ08 - TOYS ADJUSTABLE SHELVING.				
25	L - shaped Two tier, adjustale shelves - exposed. - 16mm thick adjustable chipboard shelf as per drawings with 'melamine' finish to all surfaces, on studs and sockets - 2 pairs per shelf size 4 000mm long x 420mm wide x 1050mm high overall.	No	2		
26	Two tier, adjustale shelves - exposed. - 16mm thick adjustable chipboard shelf as per drawings with 'melamine' finish to all surfaces, on studs and sockets - 2 pairs per shelf size 1 380mm long x 420mm wide x 1050mm high overall.	No	1		
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	LJ09 - FOYER (DISPLAY)				
27	345 x 30mm thick 'caesarstone' with polished finishing top and sides, fixed on plastered 115mm thick support brickwalls (by building contractor) by specialists.	m	3		
	LJ10 - VANITY TOP				
28	345 x 30mm thick 'caesarstone' vanity top with polished finishing fixed t0 all faced surfaces, fixed on plastered 115mm support brick walls (by building contractor) by specialists.	m	7		
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Section 2: Main Building

Bill No. 9

Joinery Fittings

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Section No. 2
Bill No. 9

Item No			Quantity	Rate	Amount
	SECTION 2				
	BILL NO. 10: CEILINGS, PARTITIONS AND ACCESS FLOORING				
	NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.				
	SUPPLEMENTARY PREAMBLES				
	TRADE NAMES				
	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 written approval from the Representative / Agent				
	TIMBER				
	All softwood to be South African Pine				
	CEILINGS ETC				
	Fibreglass insulation				
1	125mm thick Aerolite Insulation closely fitted and laid on top of brandering between roof timbers, etc, all as per manufacturers instructions	m2	817		
	NAILED UP CEILINGS				
	6.4mm Gypsum Plasterboard ceilings				
2	6,4mm thick Gypsum plasterboards with and including H-Profile jointing strip fixed on 38 x 38mm sawn softwood brandering at 400mm centres in one direction nailed with 25 x 3.5mm dry wood screws at 300mm centres and finished with a coat of "Rhinolite" or similar approved gypsum skim plaster trowelled to a smooth polished surface, all in strict accordance with the manufacturer's specifications	m2	17		
	Carried to Collection			R	

Section No. 2
Bill No. 10

3	Extra over gypsum plasterboard ceiling for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No	4		
	6mm "Everite Nutec" fibre-cement ceiling boards fixed to 38 x 38mm brandering with H-Profile Jointing Strip nailed with 25 x 3.5mm dry wood screws at 300mm centres and finished with a coat of "Rhinolite" or similar approved gypsum skim plaster trowelled to a smooth polished surface, all in strict accordance with the manufacturer's specifications				
4	Ceilings including 38 x 38mm sawn softwood brandering at 450mm centres	m2	12		
5	Extra over Nutec fibre cement ceiling boards for hinged pressed metal trap door size 600 x 600mm including all necessary ironmongery	No	1		
	Gypsum plasterboard cornices				
6	19 x 76mm Gypsum cornice, laid flat to brandering	m	650		
	SUSPENDED CEILINGS				
	1200mm x 600mm x 12mm Vinyl laminated gypsum board suspended ceiling tile into the ceiling pre-painted grid. Main Tees at 1200mm centres. Suspend main tees @ 1200mm c/c using Pre-stretched Galvanised Hanger wire 2.5mm thick or hanger strap 19mm at 1200mm centres. Cross Tees T(1200 long) at 600mm centres. 2 x Hold down clips per Cross Tee in areas susceptible to draught. Installation should be strictly in accordance with Manufacturer's Instructions.				
7	Ceilings suspended not exceeding 1m below timber/steel purlins	m2	800		
8	Horizontal bulkheads suspended not exceeding 1m below trusses	m2	40		
	Aluminium shadowline cornice				
9	25mm Epoxy coated standard "DONN" white powder coated aluminium shadowline cornices	m	1 002		
	Carried to Collection			R	

Section No. 2
Bill No. 10

EXPANDED METAL CEILINGS

Mild Steel Mesh

10	Supply and install security grid above ceiling Strand 2.5 x 1.6mm to be fixed on 50 x 50 x 3mm angle iron frame fixed to the bottom of trusses and ceiling boards.	m2	25		

Carried to Collection R

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Bill No. 10

Section 2: Main Building

Bill No. 10

Ceilings, Partitions and Access Flooring

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Bill No. 10

Item No			Quantity	Rate	Amount
	SECTION 2				
	BILL NO. 11: FLOOR COVERINGS, WALL LININGS, ETC				
	NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.				
	SUPPLEMENTARY PREAMBLES				
	TRADE NAMES				
	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 written approval from the Representative / Agent				
	FIXING				
	Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc				
	FLOOR COVERINGS				
	4.3mm hard wearing, durable resilient Vinyl Sheeting on self levelled smooth screed (measured elsewhere) glued with adhesive recommended by Manufacturer, joints shall be welded as recommended by Manufacturer with no more than 2mm gaps (screed elsewhere)				
1	On floors	m2	120		
2	On Steps	m2	12		
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Section No. 2
Bill No. 11

	2.5mm thick x 2.0m wide linoleum sheeting with Topshield 2 surface treatment, manufactured in accordance with EN 548 and laid in acrylic adhesive which has been spread using a trowel fitted with an B1 notched blade at a rate of between 3.2m² and 4.0m² per litre on a previously prepared Class 1 sub-floor in accordance with SANS 10070, using Self Leveller when required, including all cutting and waste. The sheeting must be rolled in both directions with an articulated 68kg three-sectional roller immediately after it has been laid into the adhesive. Joins must be butted, grooved and heat welded using the manufacturer's matching multi-coloured welding rod, ensuring that the welding rod bonds to more than 70% of the sheet thickness. (screed elsewhere) (PC 300/m2)				
3	On floors	m2	380		
	500 x 500mm "Nexus" Heavy commercial 'Broadloom' needlepunch carpet tiles laid in accordance with the sabs 0186-1990 fitting code of practice				
4	On floors	m2	155		
	POLISH, SEALERS, ETC				
	Sweep, clean with detergent complying with SABS 825, rinse and apply three coats of water emulsion polish complying with SABS 1042, including buffing after application of each coat of polish				
5	On vinyl flooring	m2	132		
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Bill No. 11

Section 2: Main Building

Bill No. 11

Floor Coverings, Plastic linings, etc

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Bill No. 11

Item No		Quantity	Rate	Amount

SECTION 2

BILL NO. 12: IRONMONGERY

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

SUPPLEMENTARY PREAMBLES

TRADE NAMES

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FINISHES TO IRONMONGERY

Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list :

CH	Chromium plated
SC	Satin chromium plated
PT	Epoxy coated
PB	Polished brass
PL	Polished and lacquered
BS	Satin bronze and lacquered
AS	Anodised silver
AB	Anodised bronze
AG	Anodised gold
ABL	Anodised black
GE	Grey enamelled
SE	Silver enamelled
SD	Sanded

Carried to Collection R

Section No. 2
Bill No. 12

	IRONMONGERY				
	THE FOLLOWING IRONMONGERY FIXED TO DOORS, ETC.				
	Note:				
	Tenderers are referred to all the ironmongery schedules issued with these Bills of Quantities when pricing the following items.				

	Locks, En-Suite Locks, Etc.				
1	"Dormakaba " product code D0773S SS or other approved Narrow Stile Heavy Duty Swivel Dead Lock. Case dimensions (mm) 174H x 40D. Forend dimensions (mm) 290H x 22W. Backset 3Smm.	No	9		
2	"Dormakaba " product code DDC106601 MK or other approved dormakaba 66mm five pin Euro-profile Double Cylinder Master Keyed	No	4		
3	"Dormakaba " product code DDC106601 MK or other approved 66mm five pin Euro-profile Double Cylinder Master Keyed	No	3		
4	"Dormakaba " product code DSC104301 MK or other approved 43mm five pin Euro-profile Single Cylinder Master Keyed	No	6		
5	"Dormakaba " product code DCE-10S or other approved Narrow Stile Cylinder escutcheon - Pair	Sets	4.0		
6	"Dormakaba " product code D036S SS or other approved Cylinder Sash Lock. Case dimensions (mm) 116.SH x 78D. Forend dimensions (mm) 168H x 22W. Backset S7mm Centres 61mm.	No	4		
7	"Dormakaba " product code DKP-SS- 160-K or other approved Midrail 9S0 x S00. (to be cut to size on site and prepared for WC indicator bolt)	No	11		
8	"Dormakaba " product code D037D SS or other approved Cylinder Deadlock. Case dimensions (mm) 116.SH x 78D. Forend dimensions (mm) 168H x 22W. Backset S7mm.	No	5		
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9	"Dormakaba " product code DSC104301 MK or other approved 43mm five pin Euro-profile Single Cylinder Master Keyed	No	5		
10	"Dormakaba " product code DWC-006 or other approved Disabled WC indicator (Red & White) and turnknob for physically impaired	No	6		
11	"Dormakaba " product code D032D SS or other approved Bathroom Deadlock. Case dimensions (mm) 102H x 78D. Forend dimensions (mm) 1SSH x 22W. Backset S7mm.	No	6		
12	"Dormakaba " product code DCE-10S or other approved Narrow Stile Cylinder escutcheon	No	5		
	Handles, Etc.				
13	"Dormakaba " product code DPH206 BTB or other approved 400 x 30mm Offset Tubular Pull Handle BTB	Sets	10		
14	"Dormakaba " product code DPH206 BTB or other approved 400 x 30mm Offset Tubular Pull Handle BTB	No	2		
15	"Dormakaba " product code TH120 Cyl S.S or other approved Lever handle on rose with Cylinder escutcheons	Sets	4		
16	"Dormakaba " product code DPH210 BT or other approved 300 x 30mm Straight Tubular Pull Handle BT	Sets	6		
17	"Dormakaba " product code DPH301C BT or other approved 149 x 19mm Straight Tubular Pull Handle BT	No	6		
18	"Dormakaba " product code PHA1/S SD or other approved One point locking panic bar - Single door - Door leaf 1000mm wide (2101.2104)	Sets	2.0		
	Stops, Holders, Hooks, Etc.				
19	"Dormakaba " product code DDS-SS-017 or other approved Floor Mounted Door Stop	No	19		
20	"Dormakaba " product code DHC-SS-031B or other approved Hat and Coat Hook with rubber buffer	No	5		
21	"Dormakaba " product code DDH-SS-020 or other approved Wall Buffer	No	1		
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22	"Dormakaba " product code BTS7S DAT-HO or other approved HOLD OPEN Double Action Floor Spring for Timber Doors - (Mech/Spindle/7S10SS/7421/8062)	No	2		
	Push Plates And Kicking Plates				
23	"Dormakaba " product code DKP-430-200 or other approved 200x(width of door)x1.2mm thick Grade 430 stainless steel kick plate. Stainless Steel Kick Plate to have 10 countersunk holes for screw fixing. (List price calculated on 813mm wide door)	No	8		
24	"Dormakaba " product code DKP-430-200 or other approved 200x(width of door)x1.2mm thick Grade 430 stainless steel kick plate. Stainless Steel Kick Plate to have 10 countersunk holes for screw fixing. (List price calculated on 813mm wide door)	No	11		
	Door Closers				
25	"Dormakaba " product code TS91B G-SR or other approved NON HOLD OPEN Co-ordinated door closer system for rebated doors between 13S0-1900mm. Closing Force EN 3. Hydraulic speed control. Max door width 9S0mm per leaf. Pull- side fixing.	No	11		
26	"Dormakaba " product code TS73V or other approved EN 2-4 Regular Arm NON HOLD OPEN Door Closer - Adjustable Strenght, Hydraulic Speed Control. Pull Side Fixing EN2 7S0-8S0, EN3 8S0-9S0, EN4 9S0-1100	No	8		
27	Product code IW9110 or other approved EN3 S/channel cam action silver door closer.	No	4		
	Sundry items				
28	"Dormakaba " product code FBMF or other approved Flush Bolt as per Manufacturer	No	12		
29	IRONMARE product code IW4060SS or other approved stainless steel dust excluding socket.	No	4		
30	Product code DCA104-EV1 or other approved silver angle mounting bracket for guide rail SV.	No	4		
	Carried to Collection			R	

Section No. 2
Bill No. 12

	SIGNAGE				
	Standard aluminium anodised silver indicator plates 3mm thick engraved to international standards as supplied and manufactured by Union or similar approved				
31	"Dormakaba " product code DSS-13S TC or other approved 1S0 x 1S0mm TEA CUP sign	No	1		
32	"Dormakaba " product code DSS-131 F or other approved 1S0 x 1S0mm FEMALE sign	No	1		
33	"Dormakaba " product code DSS-131 M or other approved 1S0 x 1S0mm MALE sign	No	1		
34	"Dormakaba " product code DSS-131 M/F or other approved 1S0 x 1S0mm MALE/FEMALE sign	No	2		
35	"Dormakaba " product code DPP-304-BL 100X200 or other approved 100 x 200 x 1.2mm thick Grade 304 stainless steel plate. Stainless Steel Plate to have 4 countersunk holes for screw fixing. (Special Order)	No	5		
36	"Dormakaba " product code DSS-133 P 100 X 200 or other approved 1S0 x 1S0mm DISABLED PERSONS sign	No	1		
37	Electrical sign approved 150 x 150mm stainless steel outline engraved .	No	1		
38	Cleaner sign approved 150 x 150mm stainless steel outline engraved	No	1		
39	Fire hose reel sign approved 150 x 150mm stainless steel outline engraved	No	1		
40	150 x 150mm stainless steel outline engraved plate with letters "AUDIO VISUAL ROOM"	No	1		
41	150 x 150mm stainless steel outline engraved plate with letters "READING AREA"	No	1		
42	150 x 150mm stainless steel outline engraved plate with letters "MAIN LIBRARY"	No	1		
43	150 x 150mm stainless steel outline engraved plate with letters "OUTSIDE PLAY AREA"	No	1		
44	150 x 150mm stainless steel outline engraved plate with letters "LIBRARIAN OFFICE"	No	1		
	Carried to Collection			R	

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45	150 x 150mm stainless steel outline engraved plate with letters "HELP DESK"	No	1		
46	150 x 150mm stainless steel outline engraved plate with letters "CHILDREN'S LIBRARY"	No	1		
47	150 x 150mm stainless steel outline engraved plate with letters "STORIES PIT"	No	1		
48	150 x 150mm stainless steel outline engraved plate with letters "ACTIVITY ROOM"	No	1		
49	150 x 150mm stainless steel outline engraved plate with letters "OFFICE"	No	1		
50	150 x 150mm stainless steel outline engraved plate with letters "STORE ROOM"	No	1		
51	150 x 150mm stainless steel outline engraved plate with letters "GAMES ROOM"	No	1		
52	150 x 150mm stainless steel outline engraved plate with letters "KITCHEN"	No	1		
53	150 x 150mm stainless steel outline engraved plate with letters "STAFF ROOM"	No	1		
54	150 x 150mm stainless steel outline engraved plate with letters "BOOK ROOM"	No	1		
55	150 x 150mm stainless steel outline engraved plate with letters "PLAY AREA"	No	1		
	BATHROOM FITTINGS				
	Toilet Roll Holders, Soap Dispensers, Bins, Etc.				
56	Franke Rodan RODX191 0,8mm thick satin finished stainless steel hygiene bag dispenser (Code: 2120106), size 91 x 21 x 150mm, plugged and screwed to the wall with stainless steel screws or similar and approved	No	6		
57	Bidvest Steiner product code 7600001 or other approved 500ml stainless steel wall mounted press hand soap dispenser.	No	6		
58	Stainless Steel Toilet Roll Holder surface mounted 3 rolls Toilet Roll Holder	No	11		
59	Steel hand dryer, energy saving. Code:S0013594	No	5		
	Carried to Collection			R	

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Bill No. 12

60	"Classic Series" wall mounted paper towel dispenser (Code: B-262)	No	6		
	"Chairman Industries"				
61	32mm Type SR2 back grab rail 800mm long fixed to wall	No	3		
62	32mm Type DL2 side grab rail 600mm long fixed to wall	No	1		
	BLINDS				
	Horizontal Aluminium Light Diffusing Blinds System Complete, Each Blind Blade 25mm Wide x 0.21mm Thick In Plain Finish Coat, Colour To Be Approved And Fixed In Position In Accordance With The Manufacturer's Instructions				
63	Window type 1 GH, size 600 x 1 200mm high as Architect schedule	No	3		
64	Window type A, size 600 x 1 800mm high as Architect schedule	No	8		
65	Window type D, size 600 x 900mm high as Architect schedule	No	2		
66	Window type E, size 600 x 1 500mm high as Architect schedule	No	7		
67	Window type F, size 1 200 x 600mm high as Architect schedule	No	36		
68	Window type W2 GH, size 1 800 x 1 200mm high as Architect schedule	No	1		
69	Window type G, size 2 400 x 1 800mm high as Architect schedule	No	1		
	PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC				
	Vitrex System 2000 Or Other Approved Pin Boards To Consist Of Carpet Surface In Approved Colour And Laminated To A Soft Board Core With And Including A Natural Anodised Aluminium Channel Surround Mitred At Corners And Fixed In Position In Accordance With The Manufacturer's Instructions				
70	Pin board size 1200mm wide x 1200mm high.	No	4		
	Carried to Collection			R	

Section No. 2
Bill No. 12

71	Pin board size 1200mm wide x 1500mm high.	No	4		
	White Magnetic Board Wall Mounted Complete With Integrated Pen Tray And Installed In Accordance With Manufacturers Instructions				
72	Magnetic board size 2500mm wide x 1200mm high.	No	2		
	Carried to Collection			R	

Section No. 2
Bill No. 12

Section 2: Main Building

Bill No. 12

Ironmongery

COLLECTION

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Section No. 2
Bill No. 12

Item No		Unit	Quantity	Rate	Amount

SECTION 2

BILL NO. 13: STRUCTURAL STEELWORK

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

SUPPLEMENTARY PREAMBLES

Descriptions

Descriptions

Descriptions of bolts shall be deemed to include nuts and washers

Descriptions of L-shaped and U-shaped anchor bolts shall be deemed to include bending, threading, nuts and washers and embedding in concrete

Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete

Where anchor bolts are described as embedded in sides or soffits of concrete it shall be deemed to include holes through formwork.

All bolts to be M16 electro-galvanised.

All steelwork to be hot dip galvanised to ISO 1461-1999

General

All dimensions are to be checked with engineer's drawings and any discrepancies brought to the Principal's project manager's attention before any construction work commences

Carried to Collection R

Section No. 2
Bill No. 13

Structural Steelwork

All structural steelwork shall be fabricated and erected in accordance with the latest edition of SABS 1200H.

All dimensions shall be checked on site before shop drawings commence. Any discrepancies shall be brought to the attention of the Principal's project manager

A complete set of shop drawings shall be submitted to the engineer for approval before fabrication commences. The contractor shall allow one week for checking and approval by the Principal's project manager, and shall also allow for any possible changes to drawings

The contractor shall design all welds and, where necessary, gussets of sufficient strength, shall be approved to obtain the required weld strength

Setting out points (S.O.P's) at member centroids shall conform to those shown on general arrangement drawings. No eccentricities, except those shown on the engineer's drawings, shall be allowed

All structural steelwork shall be grade 300W except cold formed hollow sections which shall be commercial grade

A certificate from the steel manufacturer in which the grade of the structural steel is verified shall be handed to the Principal's project manager for approval

All structural bolts shall be grade 8.8 unless otherwise noted

The proposed method and sequence of erection of the structure shall be submitted to the Principal's Project Manager for written approval. Such submission is to take place at time of shop drawing submittal. The contractor shall indicate the proposed method of propping to ensure stability of the structure during erection. Such stability during erection remains the contractor's responsibility. Where temporary bracing and propping is necessary, the contractor shall be responsible for the design, erection, maintenance and removal (where necessary) of such supports. Proposal of such bracing or propping shall be submitted to the Principal's project manager at an early stage for written approval

Structural steel to be engineered to be smooth i.e. no welding spatter, sharp edges, slag etc. should be present prior to the application of the final painting coat

Carried to Collection R

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Bill No. 13

	Protective treatment of structural steelwork Structural steelwork described as "galvanised" hereunder shall be hot dip galvanised in accordance with SABS 763 and SABS 0214 after fabrication. Where on site welding is unavoidable, the resulting welded joints shall be thoroughly cleaned and cold galvanised to the approval of the Principal's project manager Finishing coats are measured under "Paintwork"				
	DETAILING OF STEELWORK, SUPPLY AND FABRICATION OF STEELWORK INCLUDING TRANSPORTING TO SITE, OFFLOADING, SITE STORAGE AND ERECTION OF STEELWORK **The Following In Columns Hot Dip Galvanised After Manufacture Including Flat Section Base, Cap And Gusset Plates, Cleats, Connections, Bolts, Etc, Including Preparing Detail Drawings For Fabrication And Submit For Approval**				
1	254 x 254 x 89mm I-section Columns	t	7.30		
	STEEL TRUSSES ETC **Welded portal frames with flat section bearer, gusset and connection plates and L-section cleats bolted to concrete**				
2	Fully designed steel roof structure to Guard House Building complete with trusses, jack rafters, permanent bracing and purlins/battens as necessary all in accordance with the Architect's roof plan including provision of an Engineer's Approval Certificate on completion (area measured on plan over the roof line as per the Architect's drawings)	m2	137		
3	Fully designed 200mm dia steel tubing roof structure frame to be fixed on to column to Library Building Main Entrance complete with trusses, jack rafters, permanent bracing and purlins/battens as necessary all in accordance with the Architect's roof plan including provision of an Engineer's Approval Certificate on completion (area measured on plan over the roof line as per the Architect's drawings)	m2	30		
	Carried to Collection			R	

Section No. 2
Bill No. 13

	GALVANISED MILD STEEL ANGLE IRON, ETC				
	Angle support bolted to steel				
4	50 x 50 x 5mm Angle iron bolted to steel for purlin support	t	1		
	100 x 50mm steel support channel				
5	100 x 50mm panels	t	0.06		
	PAINTING OF STEELWORK IN WORKSHOP				
	Prepare, Degrease And Clean Surfaces With Galvanised Iron Cleaner, One Coat Steel Primer And Two Coats Enamel Paint				
6	Surfaces of structural steel	t	10.00		
	PAINTING OF STEELWORK AFTER ERECTION				
	Touch Up Where Damaged And Apply One Coat Enamel Paint				
7	Surfaces of structural steel	t	10.00		
	Carried to Collection			R	

Section No. 2
Bill No. 13

Section 2: Main Building

Bill No. 13

Structural Steelwork (Provisional)

COLLECTION

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SECTION 2

BILL NO. 14: METALWORK

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

SUPPLEMENTARY PREAMBLES

NOTE:

Windows shall be provided with chromium plated brass fittings

All horizontal pivot windows to be fitted with cup keeps on pivot for maximum opening of 25 degrees

The given sizes are overall, approximate and in the order of width and height. The detailed drawings and building must be carefully checked for exact sizes before placing orders. Any errors in this respect will be at the Contractor's expense and no claims for any extras in this regard will be entertained

Where described windows shall be provided with burglar bars to opening and fixed sections, consisting of 20 x 5mm mild steel flat sections to standard NBP2 pattern welded at intersections and window frames

Bars in front of fixed sections to be bent 75mm away from the glass surface.

Details and specification of all windows shall be as per window schedule appended to the back of these bills of quantities

The given sizes are overall, approximate and in the order of width and height. The detailed drawings and building must be carefully checked for exact sizes before placing orders. Any errors in this respect will be at the Contractor's expense and no claims for any extras in this regard will be entertained

Carried to Collection R

Section No. 2
Bill No. 14

TRADE NAMES

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 written approval from the Representative / Agent

DESCRIPTIONS

Descriptions of bolts shall be deemed to include nuts and washers

Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete

Metalwork described as "holed for bolts" shall be deemed to include the bolts unless otherwise described

STEEL HANDRAILS, BALUSTRADES, ETC

Welded balustrading bolted to concret floors

1	Raking balustrading 1149mm high of galvanised mentis grating rectagride r80 welded to 50 x 50mm galvanised hollow section top rail, 100 x 50mm bottom rail and vertical rails at 1 200mm centres, bolted into concrete floor	m	30		

Bolted handrails to walls

2	51mm diameter stainless steel hand rail attached to vertical steel support by means of 12mm machined pin connector	m	11		

Cleats, plates and brackets, etc

3	100 x 100 x 10mm Mild steel base plate with two slotted bolts holes bolted to brickwork	No	9		
4	M16 Bolts with nuts and washers	kg	13		
5	50mm Diameter mild steel posts welded to base plate	No	9		

Carried to Collection R

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	WELDED SCREENS, GATES, ETC				
	The following in framed and welded mild steel security grille gates including fixing in position complete				
6	Type G01 - 900 x 2125mm high single grille gate complete with 50 x 50 x 3mm angle iron single door frame with 50 x 50 lugs welded, each leaf formed of 40 x 60 x 2mm mild steel rectangular tube gate surrounded section framing all round mitred and welded at angles with 20mm mild steel rods @ 110mm centres and 40 x 6mm horizontal supports with 20mm holes for vertical rods (hinges, locking devices, etc. elsewhere)	No	1		
7	Type G01 (J) - 1660 x 2125mm high single grille gate complete with 50 x 50 x 3mm angle iron single door frame with 50 x 50 lugs welded, each leaf formed of 40 x 60 x 2mm mild steel rectangular tube gate surrounded section framing all round mitred and welded at angles with 20mm mild steel rods @ 110mm centres and 40 x 6mm horizontal supports with 20mm holes for vertical rods (hinges, locking devices, etc. elsewhere)	No	3		
	Burglar bars to opening and fixed sections, consisting of 10 x 10mm square rods galvanised mild steel burglars to standard NBP2 pattern welded at intersections fitted to interior window reveal				
8	Window type 1 GH, size 600 x 1 200mm high as Architect schedule	No	3		
9	Window type A, size 600 x 1 800mm high as Architect schedule	No	8		
10	Window type B, size 600 x 600mm high as Architect schedule	No	10		
11	Window type D, size 600 x 900mm high as Architect schedule	No	2		
12	Window type E, size 600 x 1 500mm high as Architect schedule	No	7		
13	Window type F, size 1 200 x 600mm high as Architect schedule	No	36		
14	Window type W2 GH, size 1 800 x 1 200mm high as Architect schedule	No	1		
	Carried to Collection			R	

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15	Window type G, size 2 400 x 1 800mm high as Architect schedule	No	1		
	Anti-climb and anti-cut mesh screen				
16	Heavy welded compact wire mesh, size 3805 x 1665mm high with rectangular apertures and horizontal reinforcement on square post frame. Aperture size 76,22mm x 12,7mm. Anti-climb and anti-cut features finished in Zincal coat as per detail 923-S2-102-BA-wd.010	No	2		
	ClearVu fencing or similar approved fixed from top of brickwork to underside of roof				
17	High density anti-climbing and anti-cut pressed mesh panel fencing 750mm high, formed of 4mm diameter horizontal and 4mm diameter vertical high tensile wires galvanised with Marine Fusion Bond coating colour Medium Grey with aperture size 76,2mm x 12,7mm and reinforcing V-section ribs, bolted with vandal resistant bolts and clamping plates to 85 - 45mm Taper locking post 2,4m high including Locking Recess Mechanism at 3,382m centres with sealed end caps and 30 x 3mm x 250mm long angle section base anchors with posts fixed from top of brickwork to underside of roof	m	24		
	THE FOLLOWING IRONMONGERY FIXED TO GATES, ETC.				
18	Door holder formed of heavy duty spring loaded door holder and catch with holder welded and bolted to steel gate frame and catch riveted to and including 75 x 75 x 3mm flat section baseplate, the baseplate welded on to 25 x 25 x 3mm angle section spacer, 50mm long with spacer welded on to 100 x 100 x 3mm flat section backplate, the backplate four times holed for and bolted to wall with and including M6 x 70mm expansion bolts, as detail DT34 attached at the back of these Bills of Quantities	No	5		
	PRESSED STEEL DOOR FRAMES				
	1,6mm Double rebated pressed steel door frame suitable for 110mm brick walls with 3PR , 100mm steel butt hinges per leaf				
19	Type B - Frame for single door size 813 x 2032mm high	No	4		
20	Type C - Frame for single door size 762 x 1882mm high	No	5		
21	Type D - Frame for single door size 813 x 2032mm high	No	3		
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22	Type D10 DB - Frame for double door size 1800 x 2032mm high	No	1		
23	Type D11 - Frame for single door size 813 x 2032mm high	No	4		
	1,6mm Double rebated pressed steel door frame suitable for 270mm brick walls with 3PR , 100mm steel butt hinges per leaf				
24	Type D Emergency - Frame for single door size 813 x 2032mm high	No	1		
25	Type D1 GH - Frame for single door size 813 x 2032mm high	No	2		
26	Type B - Frame for single door size 813 x 2032mm high	No	2		
27	Type D - Frame for single door size 813 x 2032mm high	No	2		
28	Type D11 - Frame for single door size 813 x 2032mm high	No	1		
29	Type D16 (Library) - Frame for double door size 1641 x 2032mm high	No	6		
	PRESSED STEEL TRANSFORMER ROOM DOORS AND FRAMES				
30	Approved mild steel fully louvred standard transformer door size 914 x 2134mm high, complete with all fittings, etc.,	No	1		
	ALUMINIUM WINDOWS, DOORS, ETC				
	Powder coated fixed aluminium window frames with 4mm thick toughened safety glass panel, ironmongery and including burglar bars to fixed and opening sections (colour by others/architect)				
31	Window type 1 GH, size 600 x 1 200mm high as Architect schedule	No	3		
32	Window type A, size 600 x 1 800mm high as Architect schedule	No	8		
33	Window type B, size 600 x 600mm high as Architect schedule	No	10		
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34	Window type D, size 600 x 900mm high as Architect schedule	No	4		
35	Window type E, size 600 x 1 500mm high as Architect schedule	No	7		
36	Window type F, size 1 200 x 600mm high as Architect schedule	No	36		
37	Window type F internal, size 1 800 x 2 100mm high as Architect schedule	No	7		
38	Window type W2 GH, size 1 800 x 1 200mm high as Architect schedule	No	1		
39	Window type G, size 2 400 x 1 800mm high as Architect schedule	No	1		
40	Window type H, size 1 200 x 1 800mm high as Architect schedule	No	1		
	Powder coated aluminium doors including intruderprufe HPR laminated safety glass complete with subframes, ironmongery, sealing, etc and fixing to brickwork or concrete				
41	Type E - 2260 x 2125mm high Extruded aluminium double door frame in configuration as shown, friction hinges to be used on opening sections and should be complete with intruderprufe HPR laminated safety glass to comply with ISO9001-2000, SABS-0137 and AAAMSA. Door to be provided with all fittings, Handles brushes, clip-on glazing bead with Neoprene seals, to be plugged and screwed to brickwork or concrete.	No	1		
42	Type F - 1540 x 2125mm high Extruded aluminium double door frame in configuration as shown, friction hinges to be used on opening sections and should be complete with intruderprufe HPR laminated safety glass to comply with ISO9001-2000, SABS-0137 and AAAMSA. Door to be provided with all fittings, Handles brushes, clip-on glazing bead with Neoprene seals, to be plugged and screwed to brickwork or concrete.	No	2		
43	Type J - 3200 x 2125mm high Extruded aluminium double door frame in configuration as shown, friction hinges to be used on opening sections and should be complete with intruderprufe HPR laminated safety glass to comply with ISO9001-2000, SABS-0137 and AAAMSA. Door to be provided with all fittings, Handles brushes, clip-on glazing bead with Neoprene seals, to be plugged and screwed to brickwork or concrete.	No	2		
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44	Type K - 3200 x 2125mm high Extruded aluminium double door frame in configuration as shown, friction hinges to be used on opening sections and should be complete with intruderprufe HPR laminated safety glass to comply with ISO9001-2000, SABS-0137 and AAAMSA. Door to be provided with all fittings, Handles brushes, clip-on glazing bead with Neoprene seals, to be plugged and screwed to brickwork or concrete.	No	1		
45	Type L - 2085 x 2125mm high Extruded aluminium double door frame in configuration as shown, friction hinges to be used on opening sections and should be complete with intruderprufe HPR laminated safety glass to comply with ISO9001-2000, SABS-0137 and AAAMSA. Door to be provided with all fittings, Handles brushes, clip-on glazing bead with Neoprene seals, to be plugged and screwed to brickwork or concrete.	No	1		
46	Type M - 3600 x 2125mm high Extruded aluminium double door frame in configuration as shown, friction hinges to be used on opening sections and should be complete with intruderprufe HPR laminated safety glass to comply with ISO9001-2000, SABS-0137 and AAAMSA. Door to be provided with all fittings, Handles brushes, clip-on glazing bead with Neoprene seals, to be plugged and screwed to brickwork or concrete.	No	2		
47	Type N - 3200 x 2125mm high Extruded aluminium double door frame in configuration as shown, friction hinges to be used on opening sections and should be complete with intruderprufe HPR laminated safety glass to comply with ISO9001-2000, SABS-0137 and AAAMSA. Door to be provided with all fittings, Handles brushes, clip-on glazing bead with Neoprene seals, to be plugged and screwed to brickwork or concrete.	No	1		
48	Type SF01 - 4539 x 2125mm high Extruded aluminium double door frame in configuration as shown, friction hinges to be used on opening sections and should be complete with intruderprufe HPR laminated safety glass to comply with ISO9001-2000, SABS-0137 and AAAMSA. Door to be provided with all fittings, Handles brushes, clip-on glazing bead with Neoprene seals, to be plugged and screwed to brickwork or concrete.	No	1		
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49	4500 x 2125mm high Extruded aluminium double door frame in configuration as shown, friction hinges to be used on opening sections and should be complete with intruderprufe HPR laminated safety glass to comply with ISO9001-2000, SABS-0137 and AAAMSA. Door to be provided with all fittings, Handles brushes, clip-on glazing bead with Neoprene seals, to be plugged and screwed to brickwork or concrete.	No	4		
	CURTAIN WALLS, SHOPFRONTS, ETC				
	Powder coated aluminium windows including intruderprufe HPR laminated safety glass complete with subframes, ironmongery, sealing, etc and fixing to brickwork or concrete				
50	Design and install curtain wall complete with frame and accessories (Type Q) size 8934 x 949mm high	m2	16		
	HOT-DIPPED GALVANISED STEEL ROLLER SHUTTER DOORS FIXED COMPLETE TO BRICKWORK				
51	Type D?? - Hot-dipped galvanized steel solid slatted push-up type roller shutter door black in colour suitable for opening size 3195 x 1120mm high with 46mm interlocking 11,5 kg/m2 slatted curtain, channel guide rails, roller drum complete with face mounted shutter box, push-up mechanism, two handles, security lock bolt and locking rod lockable from inside complete with two keys	No	1		
52	Type D31 - Hot-dipped galvanized steel solid slatted push-up type roller shutter door black in colour suitable for opening size 3251 x 1225mm high with 46mm interlocking 11,5 kg/m2 slatted curtain, channel guide rails, roller drum complete with face mounted shutter box, push-up mechanism, two handles, security lock bolt and locking rod lockable from inside complete with two keys	No	2		
53	Type D16 - Hot-dipped galvanized steel solid slatted push-up type roller shutter door black in colour suitable for opening size 1800 x 1275mm high with 46mm interlocking 11,5 kg/m2 slatted curtain, channel guide rails, roller drum complete with face mounted shutter box, push-up mechanism, two handles, security lock bolt and locking rod lockable from inside complete with two keys	No	6		
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Section No. 2
Bill No. 14

	SERVING HATCH WINDOWS				
	'MODERNFOLD' hatch windows suitable for 230mm walls fixed to brickwork				
54	2127 x 685mm high window	No	1		
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Section No. 2
Bill No. 14

Section 2: Main Building

Bill No. 14

Metalwork

COLLECTION

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Section No. 2
Bill No. 14

Item No			Quantity	Rate	Amount
	SECTION 2				
	BILL NO. 15: PLASTERING				
	NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.				
	SUPPLEMENTARY PREAMBLES				
	TRADE NAMES				
	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 written approval from the Representative / Agent				
	PLASTER ON CONCRETE				
	Plaster described as "on brickwork" shall be deemed to include for small portions of plaster on concrete flush with brickwork and prices should include for all the necessary preparatory work				
	SCREEDS				
	3:1 Screeds steel trowelled on concrete				
1	25mm Thick on floors and landings to receive ceramic tiles (elsewhere)	m2	137		
2	25mm Thick on floors and landings to receive self levelled screed (elsewhere)	m2	667		
	Self levelled smooth screeds steel on concrete				
3	5mm Thick on floors and landings to receive vinyl floor sheeting (elsewhere)	m2	667		
	Carried to Collection			R	
	Section No. 2 Bill No. 15				

	GRANOLITHIC				
	Untinted granolithic on concrete				
4	30mm thick on floors to falls	m2	119		
	INTERNAL PLASTER				
	Cement plaster on brickwork with gypsum rhinolite coat				
5	On walls	m2	1 838		
6	On narrow widths	m2	22		
	Cement plaster on concrete with gypsum rhinolite coat				
7	On walls	m2	50		
8	On ceilings	m2	36		
	Cement plaster on concrete				
9	On beams	m2	237		
	EXTERNAL PLASTER				
	One coat plaster on brickwork				
10	On walls	m2	80		
11	On projecting and isolated columns	m2	272		
12	On narrow widths	m2	5		
	ENTRANCE MATTING				
	Walk off Matt DM Aluminium with Woven brush Insectrs (9006WB)/Alubrush (9004) with matco mat well. Colour: Charcoal/Grey				
13	Office Entrance - 2000 x 3494mm	No	2		
	CORNER PROTECTORS, DIVIDING STRIPS, ETC.				
14	2 x 30mm Flat section aluminium dividing strip between vinyl and tiled floor finishes	m	25		
	Carried to Collection			R	

Section No. 2
Bill No. 15

15	2 x 30mm Flat section galvanised mild steel water bar embedded in floor finish	m	2		

Carried to Collection R

Section No. 2
Bill No. 15

Section 2: Main Building

Bill No. 15

Plastering

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Section No. 2
Bill No. 15

Item No			Quantity	Rate	Amount
	SECTION 2				
	BILL NO. 16: TILING				
	NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.				
	SUPPLEMENTARY PREAMBLES				
	TRADE NAMES				
	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 written approval from the Representative / Agent				
	DESCRIPTIONS				
	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 4:1 cement plaster backing and descriptions of tiling on concrete floors, etc shall be deemed to include 3:1 cement mortar bedding				
	WALL TILING				
	300 x 600 x 8mm gloss ceramic wall tiles fixed with an approved tile adhesive and water resistant grouting to plaster (elsewhere) and with jointing compound				
1	On walls	m2	207		
2	On walls in isolated panels, splash backs,etc	m2	8		
3	On narrow widths	m2	52		
4	Fair exposed cutting and fitting around pipe exceeding 50 and not exceeding 100mm internal diameter (Provisional)	No	10		
	Carried to Collection			R	
	Section No. 2 Bill No. 16				

	FLOOR TILING				
	350 x 350 x 8,5mm Thick Non-slip porcelain full bodied heavy duty floor tiles fixed with an approved tile adhesive on cement screed (elsewhere) with and including grouted jointing (Exact colour to colour schedule)				
5	On floors and door openings	m2	137		
6	Skirting 100mm high	m	190		
	SOAP HOLDERS, ETC.				
7	150 x 150mm White glazed single soap holder and building into tiled or plastered wall including forming recess in brickwork and making good	No	11		
	Carried to Collection			R	

Section No. 2
Bill No. 16

Section 2: Main Building

Bill No. 16

Tiling

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Section No. 2
Bill No. 16

Item No		Quantity	Rate	Amount

SECTION 2

BILL NO. 17: PLUMBING AND DRAINAGE (PROVISIONAL)

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

SUPPLEMENTARY PREAMBLES

PREAMBLES

Tenderers are advised to study the Model Preambles for Trades (1995 edition) as recommended and published by the Association of South African Quantity Surveyors

TRADE NAMES

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 written approval from the Representative / Agent

DESCRIPTIONS AND PREAMBLES

Reference shall be made to other trades for preambles and full descriptions of items not fully described in this trade which shall apply equally to work in this trade, unless otherwise described

RATES

Rates for all piping, fittings, etc shall include for all fixing in position of fittings, cutting of chases in brickwork or concrete, excavation of trenches, backfilling, etc unless otherwise described

DIAMETER OF PIPES

Diameters stated for pipes, traps, valves, etc are internal diameters, except uPVC, polyethylene, stainless steel and copper pipes for which external diameters are stated

Carried to Collection R

Section No. 2
Bill No. 17

REDUCING FITTINGS

Where fittings have reducing ends or branches they are described as "reducing"

In the case of pipes with diameters not exceeding 60mm, only the largest end or branch is given. Should the contractor wish to use other fittings and bushes or reducers, he may do so on the understanding that no claim in this regard will be entertained

In the case of pipes with diameters exceeding 60mm, all sizes are given and no claim for extra bushes, reducers, etc will be entertained

uPVC PIPES AND FITTINGS

Sewer and drainage pipes and fittings shall be according to SABS 791, jointed and sealed with butyl rubber rings

Soil, waste and vent pipes and fittings shall be according to SABS 967 and solvent jointed

Cold water supply pressure pipes and fittings shall be according to SABS 966 and jointed by means of the "Lyng" type jointing system

Pipes shall be fixed and jointed according to SABS 0112

COPPER PIPES

Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin wall 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 pipes, capillary soldier fittings and compression fittings shall be Cobra Watertech or other equal approved type. Capillary soldier fittings shall comply with ISO 2016

HEAVY DUTY POLYETHYLENE PIPING (HDPE)

HDPE pipes shall be according to SABS 533 and fittings shall be of plastic compression type jointing. Jointing and laying shall be in accordance with the manufacturer's instructions

Carried to Collection R

Section No. 2
Bill No. 17

	WIRE GRATINGS Descriptions of gutter outlets, etc shall be deemed to include wire balloon gratings				
	GUTTERS, DOWNPIPES, ETC.				
	0,8mm Seamless Aluminium Rainwater Systems				
1	Ogee profile 125 x 100 x 0.8mm thick seamless aluminium gutter hanged on concealed internal clips on brackets at 600mm intervals.	m	229		
2	Ogee profile 200 x 180 x 0.8mm thick seamless aluminium gutter hanged on concealed internal clips on brackets at 600mm intervals.	m	16		
3	Extra for stopped end	No	36		
4	Extra for outlet with nozzle for and jointed to 75mm diameter galvanised sheet iron downpipe including galvanised wire balloon grating	No	38		
5	Rectangular fluted profile 125 x 100 x 0.8mm rainwater downpipe fixed to brickwall or concrete with brackets.	m	154		
6	Extra for shoe	No	38		
7	Extra for eaves offset	No	38		
8	Full bore outlet	No	4		
	SANITARY FITTINGS				
	Stainless steel				
	Stainless steel for basins, wash troughs, bedpan, sinks, etc shall be type 304 (18/10)				
9	1500mm "Citimental" Ref: DT150C Double bowl stainless steel or similar approved sink in accordance with Architect's specification complete with mounting brackets, stopper and chain by Citimetal or similarly approved	No	3		
	Carried to Collection			R	

Section No. 2
Bill No. 17

	Approved				
10	Drop in white 595 x 455 x 205mm wash hand basin, 31mm chromuim plated outlet, with plug and chain, anchor & 32mm back nut complete	No	10		
11	White C.I. porcelain wall hung enamelled disabled wash hand basin, 31mm chromuim plated outlet, with plug and chain, anchor & 32mm back nut complete with and including two chromium plated pillar tap, one tap hole plug and provide black soft rubber p-trap.	No	1		
12	610 x 385mm White vitreous china wall urinal with top flush entry complete with and including concealed wall hangers, chromium plated waste outlet and grating, and 4,5 litre white vitreous china cistern complete with valveless syphonic fitting, ball valve, bracket, surface mounted chromium plated push button user control valve with plastic conduit pipe and chromium plated flush pipe with spreader	No	4		
13	460 x 360 x 390mm low level WC suite comprising white vitreous china pan with P trap, with back inlet complete matching flush pipe and heavy duty white single flap seat	No	10		
14	Wall hang paraplegic WC suite comprising white vitreous china pan with P trap, with back inlet complete matching flush pipe and heavy duty white single flap seat	No	1		
	SUNDRY SANITARY FITTINGS				
15	Drinking fountain @ 1000mm high - 1000mm diameter precast pipe on 1400 x 1400 x 200mm thick 20MPa/19mm mass concrete footings including any necessary excavation, filling, reinforcement, top finished with 100mm thick 20MPa/19mm mass concrete slab graded to falls to 100mm dia upvc outlet (water outlet elsewhere), with wood float finish and fitted with and including 20mm diameter galvanised mild steel pipe 2,3m long including three bends, three tees, three reducers, four 22mm chromium plated Walcro 109 foundation demand tap for hold open application and one 20mm dia hose-bib-tap RB with lockshield and loose key and hose union complete with and including all plumbing work as per detail 923-S2-101-wd-106	No	5		
	Carried to Collection			R	

Section No. 2
Bill No. 17

	TRAPS, ETC INCLUDING JOINTS TO PIPES AND/OR FITTINGS UNLESS OTHERWISE DESCRIBED				
16	32-40mm Butyl rubber deep seal P or S trap	No	14		
17	32-40mm Chromium plated bottle trap	No	4		
18	"Rofo R0200SV NW100" floor trap, square top cast in 230mm opening	No	5		
	TAPS, VALVES, ETC INCLUDING JOINTS TO COPPER PIPES AND/OR FITTINGS WITH CAPILLARY CONNECTIONS UNLESS OTHERWISE DESCRIBED				
19	15mm Copper service pipe 350mm girth	No	3		
20	15mm Brass stopcock	No	32		
21	15mm Chromium plated wall flange and extension piece	No	1		
22	20mm Brass stopcock	No	11		
23	15mm Chromium plated full way ballcock shut-off control valve with screw type control	No	2		
24	15mm Chromium plated underwall pattern stopcock	No	4		
25	20mm diameter Bibtap RB with lockshield and loose key with 20mm diameter hose union.	No	1		
26	15mm Chromium plated hose bib tap without hose union	No	5		
27	15mm Chromium plated sink pillar tap with 305mm swanneck outlet with serrated nozzle	No	3		
28	"COB - 503 -21B" 15mm chromium plated elbow action "medical" pilar tap	No	1		
29	Chrome "COB - KM2 -100" metering self closing non-hold open pillar tap with flow controller 1 - 20 seconds	No	20		
30	15mm Chromium plated sink wall type sink mixer	No	3		
31	20mm Brass vacuum breaker	No	5		
32	400KPa brass pressure reducing valve	No	3		
	Carried to Collection			R	

Section No. 2
Bill No. 17

33	Standard flushmaster toilet flush valve, concealed type, chrome, including back entry, control stopper vertical and horizontal flush pipes, elbow connector, palm press button assembly with pushrod and rubber pan connector. SANS 1240.	No	14		
34	Junior flushmaster toilet flush valve, concealed type, chrome, including back entry, control stopper vertical and horizontal flush pipes, elbow connector, palm press button assembly with pushrod and rubber pan connector. SANS 1240.	No	1		
	SANITARY PLUMBING				
	uPVC SABS 966 pipes				
35	40mm Pipes laid in /under floors or fixed to walls, slabs, roof timbers, etc	m	39		
36	50mm Pipes laid in /under floors or fixed to walls, slabs, roof timbers, etc	m	82		
37	75mm Pipes laid in /under floors or fixed to walls, slabs, roof timbers, etc	m	45		
38	110mm Pipes laid in /under floors or fixed to walls, slabs, roof timbers, etc	m	22		
39	150mm Pipes laid in /under floors or fixed to walls, slabs, roof timbers, etc	m	55		
	Extra over uPVC SABS 966 pipes for fittings				
40	40mm PVC to steel adaptor	No	4		
41	50mm Reducer	No	17		
42	40mm Bend	No	36		
43	50mm Bend	No	42		
44	110mm Bend	No	22		
45	50mm Access bend	No	22		
46	110mm Access bend	No	3		
47	110mm PVC access stop end	No	5		
48	50mm Junction	No	29		
	Carried to Collection			R	

Section No. 2
Bill No. 17

49	110mm Junction	No	8		
50	110mm Access junction	No	11		
51	110 x 50mm Reducing junction	No	7		
52	110mm Pan connector	No	11		
53	110mm "GI Two-way" vent valve	No	10		
	"Fulbore" cast iron outlets				
54	150mm 90 degrees side outlet	No	3		
	Precast concrete gulleys				
55	Gulley not exceeding 1m deep to invert comprising 100mm diameter vitrified clay gulley trap and head, fitted with 190mm diameter cast iron grating, including excavating for, bedding on and encasing in 15MPa/19mm mass concrete and fitted with and including precast gulley top bedded in (3:1) cement mortar	No	19		
	TESTING				
56	Testing water pipe system		Item		
	Carried to Collection			R	

Section No. 2
Bill No. 17

Section 2: Main Building

Bill No. 17

Plumbing and Drainage (Provisional)

COLLECTION

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Section No. 2
Bill No. 17

Item No			Quantity	Rate	Amount
	SECTION 2				
	BILL NO. 18: GLAZING				
	NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.				
	SUPPLEMENTARY PREAMBLES				
	TRADE NAMES				
	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 written approval from the Representative / Agent				
	TOPS, SHELVES, DOORS, MIRRORS, ETC				
	Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with foam backing strip all round to plugs in walls				
1	6mm "GG" quality polished glass mirror 450 x 800mm high with polished edges fixed to wall with four 35mm round nose chromium plated mirror screws	No	11		
2	6mm "GG" quality polished glass mirror 3000 x 1900mm high with polished edges fixed to wall with four 35mm round nose chromium plated mirror screws	No	2		
3	6mm "GG" quality polished glass mirror 3575 x 1900mm high with polished edges fixed to wall with four 35mm round nose chromium plated mirror screws	No	1		
4	6mm "GG" quality polished glass mirror 6280 x 1900mm high with polished edges fixed to wall with four 35mm round nose chromium plated mirror screws	No	1		
	Carried Forward to Summary of Section No. 2			R	
	Section No. 2 Bill No. 18				

Item No		Quantity	Rate	Amount

SECTION 2

BILL NO. 19: PAINTWORK

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

SUPPLEMENTARY PREAMBLES

TRADE NAMES

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 written approval from the Representative / Agent

PAINT SPECIFICATION

All materials for paintwork for which South African Bureau of Standards specifications have been published shall comply the requirements of such specifications and shall bear the standardisation mark of the South African Bureau of Standards on the container or packing. Materials for paintwork for which no SABS specifications have been published shall be of a brand and manufacture approved by the Director-General prior to its use

DISTINCTION FOR COLOUR

Paintwork in different colours has not been measured separately, except for colours which have a value of 7 or less on the Munsell system as described above as well as for the following:

Paintwork on mouldings and bands picked out in colours differing from the surrounding paintwork of the same material

Paintwork on walls, ceilings, etc to patterns in more than one colour are described separately as "in patterned multi-colours"

Paint in dado's has not been measured separately, neither are cutting in of edges measured. Prices shall include for cutting in of contrasting colours or paints and masking as required.

Carried to Collection R

Section No. 2
Bill No. 19

PROFILED SURFACES

Painting of profiled surfaces are measured over the flat area, unless otherwise described

PROTECTION AGAINST CORROSION

Prices for painting structural steelwork are to include for corrosion protection as PW 371 clause 18.9.1 (c). See "Metalwork" for 18.9.1(a) (b) and (d)

STRUCTURAL STEELWORK

All damaged paint areas are to be repaired in accordance with the original specification after completion of erection

All paint to structural steelwork is to be sourced from an approved paint manufacturer and to be applied in accordance with the manufacturers specifications

All bolts are to be degreased prior to erection and painted after erection

PAINTWORK, ETC TO NEW WORK

ON FACEBRICK

Two coats clear/transparent glossy varnish for interior use

1	On face brick walls internally	m2	459		

ON FLOATED PLASTER

Prepare, stop and apply one coat masonry primer and two coats acrylic paint

2	On internal plastered walls	m2	1 657		
3	On exnternal plastered walls	m2	80		

Prepare, stop and apply one coat universal undercoat and one coat acrylic paint

4	On internal bagged walls	m2	51		

Carried to Collection R

Section No. 2
Bill No. 19

	ON PLASTERBOARD				
	Prepare, stop and apply two full coats semi-gloss PVA co-polymer paint to comply with SABS Specification No. 643				
5	On internal plasterboard ceilings including priming steel joints and nail heads with one coat zinc phosphate alkyd resin primer	m2	17		
6	On cornices, etc. not exceeding 300mm girth	m	650		
	ON FIBRE-CEMENT				
	Prepare, stop and apply two full coats semi-gloss PVA co-polymer paint to comply with SABS Specification No. 643				
7	On fibre cement ceilings including priming steel joints and nail heads with one coat zinc phosphate alkyd resin primer	m2	12		
	Prepare, stop and apply one coat alkali resistant primer and two full coats acrylic emulsion paint for exterior use				
8	On external fibre-cement fascias and bargeboards including priming metal cover strips and screw heads with one coat zinc phosphate alkyd resin primer	m2	86		
	ON CONCRETE SURFACES				
	Prepare and apply one coat solvent free epoxy polyamide sealer and three coats based epoxy polyamide paint				
9	On shower floors and kerbs	m2	119		
	ON METAL				
	Prepare, touch up factory primer and apply one coat universal undercoat and two full coats high gloss enamel paint				
10	On pressed steel door frames	m2	27		
	Carried to Collection			R	

Section No. 2
Bill No. 19

	Prepare and apply one coat zinc phosphate alkyd resin primer, one coat universal undercoat and two full coats high gloss enamel paint				
11	On grille gates and screens (both sides measured on flat)	m2	25		
	ON WOOD				
	Prepare, stop and apply two full coats polyurethane clear eggshell varnish, lightly sanded down between coats				
12	On general surfaces of fittings	m2	4		
13	On skirtings, rails, etc. not exceeding 300mm girth	m	650		
	Prepare, stop and apply three full coats polyurethane clear eggshell varnish, lightly sanded down between coats				
14	On slated doors (measured on flat)	m2	132		
	Carried to Collection			R	

Section No. 2
Bill No. 19

Section 2: Main Building

Bill No. 19

Paintwork

COLLECTION

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Section No. 2
Bill No. 19

Item No		Quantity	Rate	Amount

SECTION 2

BILL NO. 20: PROVISIONAL AMOUNTS

NOTE: The contractor advised to study the Model Preambles for Trades before pricing this bill

SELECTED SUBCONTRACTORS

The following Provisional Amounts are for specialist work to be executed by a selected sub-contractor who upon appointment in terms of the Conditions of Contract shall be deemed to be a selected sub-contractor.

A selected sub-contractor shall be a contractor executing work for which a sum of money is provided for in the bills of quantities or a sub-contractor executing additional work specialist work which arises as a result of an instruction by the representative/agent.

Tender documents for such work shall be prepared by the representative/agent in consultation with and to the approval of the contractor. Tenders shall be called for from a list of tenderers agreed between the contractor and the Principal Agent. Tenders shall be submitted to the representative/agent for adjudication.

The selected sub-contractor shall be chosen by the representative/agent and the contractor, and the contractor shall satisfy himself that such selected sub-contractor can meet the requirements of the sub-contract agreement and the contractor shall inform the representative/agent accordingly. The contractor shall appoint such selected sub-contractor and inform the principal agent accordingly.

The procedure relating to the method of selection, obtaining of tenders, adjudication thereof and the appointment of the selected sub-contractor shall not create any contractual relationship between the Department and the selected sub-contractor.

All provisional amounts cover supply of material and equipment and installation where applicable by firms of specialists. Provisional amounts are nett and do not include builder's discount, but the tenderer may allow under "Profit" items for profit he considers necessary.

Carried to Collection R

Section No. 2
Bill No. 20

	PROVISIONAL SUMS FOR NOMINATED/SELECTED SUBCONTRACT WORKS			
	BUDGETARY ALLOWANCES			
	Community Liaison Officer			
1	Provide an amount of R 65 000,00 (Sixty Five Thousand Rand) for Community Liaison Officer to be omitted in part or whole as instructed by Principal Agent	Item		65 000.00
2	Add for profit	Item		
3	Add for general attendance on sub-contractor	Item		
	Carried to Collection		R	

Section No. 2
Bill No. 20

Section 2: Main Building

Bill No. 20

Provisional Amounts

COLLECTION

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Section No. 2
Bill No. 20

Section 2: Main Building

SECTION SUMMARY - Section 2: Main Building

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2	Earthworks (Provisional)	52	
3	Concrete, Formwork and Reinforcement	57	
4	Precast Concrete	60	
5	Masonry	67	
6	Waterproofing	70	
7	Roof Coverings, etc	73	
8	Carpentry and Joinery	80	
9	Joinery Fittings	87	
10	Ceilings, Partitions and Access Flooring	91	
11	Floor Coverings, Plastic linings, etc	94	
12	Ironmongery	103	
13	Structural Steelwork (Provisional)	108	
14	Metalwork	118	
15	Plastering	122	
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17	Plumbing and Drainage (Provisional)	133	
18	Glazing	134	
19	Paintwork	139	
20	Provisional Amounts	142	
	Carried to Final Summary		R

Section No. 2

Item No		Unit	Quantity	Rate	Amount
	SECTION 3				
	BILL NO. 1: BULK EARTHWORKS				
	NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill				
	NOTE: All unit rates must take into account and will be assumed to include all applicable taxes. No additional claims relating to taxes will be entertained.				
	SITE CLEARANCE ETC				
	Site clearance				
1	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	3 750		
	REMOVAL OF TREES ETC				
	Cutting down, taking out and removing, grubbing up roots and filling in holes				
2	Tree stump exceeding 200mm and not exceeding 500mm girth	No	8		
3	Tree stump exceeding 500mm and not exceeding 1000mm girth	No	6		
	BULK EXCAVATION, FILLING, ETC				
	Open face excavation in earth over sloping site and depositing excavated material in prescribed stock piles on site				
4	Open face excavation	m3	3 750		
	Extra over bulk excavation in earth for excavation in				
5	Soft rock	m3	375		
6	Hard rock	m3	188		
	Carried to Collection			R	

Section No. 3
Bill No. 1

	Extra over all excavations for carting away				
7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	1 125		
	Keeping excavations free of water				
8	Keeping excavations free of water		Item		
	Approved natural gravel filling supplied by the contractor compacted to 98% Mod AASHTO density				
9	150mm sub-base layer of selected G5 gravel material to comply with maximum CBR 45, imported from commercial sources and compacted to 95% modified AASHTO density including 63mm stone compacted to 93% modified AASHTO density	m3	2 625		
10	150mm sub-base layer of selected G7 gravel material to comply with maximum PI 10, imported from commercial sources and compacted to 100% modified AASHTO density including 63mm stone compacted to 93% modified AASHTO density	m3	563		
	Compaction of surfaces				
11	Compaction of ground surface under floors etc including scarifying for a depth of 100mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	3 750		
	Prescribed density tests on filling				
12	"Modified AASHTO Density" test	No	75		
	Soil insecticide				
13	Under platforms, etc. including forming and poisoning shallow furrows, etc. filling in furrows and ramming	m2	3 750		
	Carried to Collection			R	

Section No. 3
Bill No. 1

Section 3: External Works (Provisional)

Bill No. 1

Bulk Earthworks

COLLECTION

	Page No		Amount
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	145		
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Section No. 3
Bill No. 1

Item No		Unit	Quantity	Rate	Amount
	SECTION 3				
	BILL NO. 2: EXTERNAL PLUMBING AND DRAINAGE				
	NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.				
	NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill				
	SUPPLEMENTARY PREAMBLES				
	Preambles				
	The Standard Preambles and the Notes in the Plumbing and Drainage trade bills are to, and do, apply equally to this section.				
	STORMWATER DRAINAGE				
	Precast concrete channels				
1	Open surface stormwater concrete v-channel size 1000 x 100mm deep internally with 75 x 75mm triangular fillets in channels including all excavations, concreting, brickwork, reinforcement, formwork, plastering, etc	m	236		
	Mild steel heavy duty grating as cover to rainwater channel, all primed before delivery				
2	Wecrolock AW 38 x 38 x 6mm heavy duty grating as cover to rainwater channel set into and including 60 x 60 x 6mm angle frame, size overall 1800 x 450mm wide	m	15		
3	Extra over last for corner intersection	No	2		
	Two coats black epoxy paint on shop-primed steel (both sides measured)				
4	On Wecrolok heavy duty gratings	m2	9		
	Carried to Collection			R	
	Section No. 3 Bill No. 2				

	Water Storage Tanks				
5	5 000L Jojo Water Storage Tanks	No	3		
	STORMWATER ATTENUATION POND				
	Excavation in earth for detention pond				
6	Exceeding 2m but not exceeding 4m deep	m3	750		
	Extra over excavation for:				
7	Soft rock	m3	75		
8	Hard rock	m3	38		
9	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	525		
10	Shape face excavation to a slope of 1:3	m2	175		
	Keeping excavations free of water				
11	Keeping excavations free of water		Item		
	Compaction of surfaces				
12	Compaction of ground surface under floors etc including scarifying for a depth of 100mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	300		
	Grassing (Hydroseeding)				
13	Supply and plant grass on faces of excavations, the rate to include watering of the grass for 6 weeks	m2	650		
	Supply all material and construct Inlet and Outlet structures as per detail drawings (2020006 - SW - ST2 - 340) for:				
14	600mm diameter pipe			SUM	
15	Supply all material and construct 2 (number) inlets as per detail drawings :			SUM	
16	Supply all material and construct raiser and outlet structure as per detail drawings for 200mm diameter pipe:			SUM	
	Carried to Collection			R	

Section No. 3
Bill No. 2

17	Supply all material and construct overflow structure as per detail drawings:			SUM	
	SEWER RETICULATION				
	Excavate in all materials for trenches, backfill, compact and dispose of surplus material				
18	Excavate for trench not exceeding 2m deep	m3	19		
19	Extra over excavations in earth for excavating in soft rock	m3	2		
20	Extra over excavations in earth for excavating in hard rock	m3	1		
21	Backfilling to drain trenches compacted to 93 % Modified AASHTO maximum dry density	m3	9		
22	Sub base material compacted to 95% Modified AASHTO maximum dry density	m3	6		
23	19mm Crushed stone encasing to pipes	m3	4		
24	Unreinforced concrete class "15" bedding under pipes	m3	2		
	HDPE Class 12.5 sewer pipes including butt fusion welds				
25	110mm Pipes laid in trenches (trenches elsewhere)	m	125		
	Extra over HDPE Class 12.5 sewer pipes for fittings				
26	110mm End cap	No	10		
27	110mm Bend	No	20		
28	110mm Junction	No	10		
29	110mm Access pipe	No	15		
30	110mm Access bend	No	27		
31	110mm Access junction	No	13		
32	160 mm x 110 mm plain junctions	No	1		
33	110mm Access double junction	No	7		
	Carried to Collection			R	

Section No. 3
Bill No. 2

	Manholes, inspection chambers, etc				
34	Manhole size 1000 x 1000 x 1500mm deep internally including all necessary excavation, carting away, etc, 230mm thick 20Mpa concrete walls and base slab and 230mm thick concrete roof slab reinforced with 12mm diameter high tensile steel rods at 150mm centres in both directions and cast iron manhole cover and frame type 8B and step irons cast into concrete in two staggered rows at 300mm centres. Prices shall include for all necessary formwork, holing of walls, sleeves, etc	No	6		
35	Manhole size 1000 x 1000 x 2000mm deep internally including all necessary excavation, carting away, etc, 230mm thick 20Mpa concrete walls and base slab and 230mm thick concrete roof slab reinforced with 12mm diameter high tensile steel rods at 150mm centres in both directions and cast iron manhole cover and frame type 8B and step irons cast into concrete in two staggered rows at 300mm centres. Prices shall include for all necessary formwork, holing of walls, sleeves, etc	No	2		
36	Manhole size 1000 x 1000 x 3000mm deep internally including all necessary excavation, carting away, etc, 230mm thick 20Mpa concrete walls and base slab and 230mm thick concrete roof slab reinforced with 12mm diameter high tensile steel rods at 150mm centres in both directions and cast iron manhole cover and frame type 8B and step irons cast into concrete in two staggered rows at 300mm centres. Prices shall include for all necessary formwork, holing of walls, sleeves, etc	No	1		
	Vitrified clay gulley traps,etc				
37	190 x 190mm Gulley trap with foot and O, P, Q or S oulet, plain gulley head and 110mm PVC pipe including excavation for, bedding on and encasing in concrete and with precast or in-situ concrete gulley top finished in grey granolithic, not exceeding 750mm deep to invert level	No	5		
	Conservancy Tank				
38	Budget for 6000 litre Conservancy Tank		Item		450 000.00
	WATER RETICULATION				
	Excavations				
39	Excavation in earth not exceeding 1m deep for pipe trenches	m3	60		
	Carried to Collection			R	

Section No. 3
Bill No. 2

40	Extra over excavations in earth for excavating in soft rock	m3	6		
41	Extra over excavations in earth for excavating in hard rock	m3	3		
42	Backfilling to pipe trenches compacted to 95% Mod AASHTO density	m3	30		
43	Selected granular filling in bedding under and filling around pipes	m3	15		
44	19mm Crushed stone bedding under pipes	m3	7		
	Medium Presure Pipelines				
45	32mm diameter uPVC class 12 including fittings	m	93		
	Water Supply Upgrade				
46	Borehole water & Elevated Tank Allowance		Item		950 000.00
	SITE RETICULATION AND HYDRANTS				
	NOTE: Design, manufacture, works testing, supply and deliver to site, moving into position, erection, connecting up, site testing, witness testing, proving to insurance inspectors, demonstrating to the Employer, commissioning and maintenance of the complete mechanical systems and equipment as shown on the drawings and datasheets.				
	110mm dia Class 12 PE 100				
47	Supply and Install 110mm HDPE pipe as per site drawing	m	100		
48	Excavation of Trench and back filling with imported material	m	100		
	Extra Over for Fittings				
49	110mm bend	No	6		
50	110mm Tee	No	12		
	Carried to Collection			R	

Section No. 3
Bill No. 2

	Supply, joint, cut pipes to length and test Ainsworth Valves with Electrostatic Epoxy Powder Coating or similar sluice valves to waterworks pattern, Class 16, clockwise closing, non - rising spindle, with cap top, complying with SABS 664 and fitted with resilient seal seats.				
51	Supply and Install 100 mm non-return valve	No	1		
	Valve Chambers				
52	Valve chambers with type 5 cast iron cover in concrete support and 110mm brick wall chamber	No	1		
	HYDRANT AND HOSE REEL SYSTEM				
	Fire Hydrants				
53	Supply, install, joint and test above ground Fire Hydrants including distance piece, left hand closing, as per detail. Including Denzo or similar approved wrapping for water tightness.	No	8		
54	Supply and install Fire Hose Reels complete with: 30m long 25mm Chromium Plated Valve Connection Fittings Fixings 100mm Glycerine filled pressure gauge c/w union and isolating valve	No	1		
55	Supply and Install the fire brigade 65mm twin booster connections Gun metal construction reflux valves Blank-off Caps Instantaneous male connection type to local fire department specification	No	1		
	Carried to Collection			R	

Section No. 3
Bill No. 2

Section 3: External Works (Provisional)

Bill No. 2

External Plumbing and Drainage

COLLECTION

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	148		
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	150		
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	152		
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Section No. 3
Bill No. 2

Item No		Unit	Quantity	Rate	Amount
	SECTION 3				
	BILL NO. 3: ROAD WORKS, PAVINGS ETC.				
	NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.				
	NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill				
	PAVING ON PARKINGS AND DRIVEWAYS				
	Excavations, Filling, Etc				
1	C4 gravel material, selected and supplied by the Contractor, deposited, watered and consolidated to 95% modified AASHTO density in 125mm thick sub-base course under roads.	m3	548		
	Coarse river sand filling supplied by the contractor				
2	Under paving etc	m3	91		
	Compaction of surfaces				
3	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 100% Mod AASHTO density	m2	1 826		
	Soil insecticide under a 10 year guarantee by firm of specialist				
4	Approved soil herbicide weed killer at a rate of 50 gram/m² under paving etc.	m2	1 826		
	Paving of 200 x 150 x 80mm thick precast concrete paving blocks with butt joints on 50mm thick river sand bed on well compacted imported fill with sand-and-cement mixture swept into joints and hosed down, including preparation of ground or filling to engineer's detail				
5	Paving laid to interlocking pattern to falls	m2	1 826		
	Carried to Collection			R	

Section No. 3
Bill No. 3

	Precast concrete finished smooth on exposed surfaces including bedding, jointing, and pointing				
6	Kerb (SABS 927 fig 3)180 x 280mm high with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint including excavation, backfilling,etc	m	270		
7	Kerb (SABS 927 fig 3)180 x 280mm high with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint circular on plan not exceeding 4m radius formed with short lengths of straight kerb including excavation, backfilling, etc.	m	170		
	0,58mm concealed fix Klip-Lok 700 heavy indusrial Zincalume AZ150 spleter G550 steel sheeting with 25mm high performance general purpose compressible sealant on overlaps with Global coat finish to one side and half coat Global coat grey to other side and fixed to starter bars and each intermediate purlin with concealed clips secured with hex head 25mm self drilling tek screws for covered carports primed before delivery and fixed in position including foundations and roof coverings etc				
8	Carport size 5500 x 2500mm	No	10		
	Road marking paint on concrete				
9	Line 100mm wide	m	180		
10	Line 300mm wide	m	250		
11	Numeral or letter 300mm high	No	30		
12	Traffic sign, numeral or letter 1,3m high	No	12		
13	Traffic arrow straight 3,7m long	No	12		
	Carried to Collection			R	

Section No. 3
Bill No. 3

Section 3: External Works (Provisional)

Bill No. 3

Road Works, Pavings, etc.

COLLECTION

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Section No. 3
Bill No. 3

Item No			Quantity	Rate	Amount
	SECTION 3				
	BILL NO. 4: FENCING, BOUNDARY, SCREEN AND RETAINING WALLS, ETC (PROVISIONAL)				
	NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.				
	NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill				
	THE FOLLOWING IN BOUNDARY FENCING				
	ClearVu fencing or similar approved including site clearance and preparation of ground				
1	High density anti-climbing and anti-cut pressed mesh panel fencing 2,4m high, formed of 4mm diameter horizontal and 4mm diameter vertical high tensile wires galvanised with Marine Fusion Bond coating colour Medium Grey with aperture size 76,2mm x 12,7mm and reinforcing V-section ribs, bolted with vandal resistant bolts and clamping plates to 85 - 45mm Taper locking post 2,4m high including Locking Recess Mechanism at 3,382m centres with sealed end caps and 30 x 3mm x 250mm long angle section base anchors with posts bedded in 15MPa concrete bases size 400 x 400 x 600mm deep with bitumen coated 500mm under dig.	m	360		
	Security spikes				
2	Cadmium plated steel security spikes plugged to top of wall as per manufacturer's instructions	m	360		
	Carried to Collection			R	

Section No. 3
Bill No. 4

	The following in galvanised mild steel gates and fixing in position complete				
3	Single pedestrian gate size 1500 x 2400mm High Density Mesh galvanised made up or wire apertures size 76,2 x 12,7mm c/c. Panel reinforced horizontal recessed band complete with rectangular hollow section framing all round neatly mitred and welded at angles; supported or fixed between two 100 x 100mm GMS posts on each side, with razor sharp tooth spike welded to top, complete with hinges, padlock plate, 5pin upright double throw security mortice deadlock in 3mm steel plate housing closed on all sides, with the barrel bolt inside of gate frame, all as Details 923-S2-101-wd.011 or 111	No	2		
4	Automatic vehicle sliding gate size 3500 x 2400mm high Density Mesh galvanised made up or wire apertures size 76,2 x 12,7mm c/c. Panel reinforced horizontal recessed band complete with rectangular hollow section framing all round neatly mitred and welded at angles; supported or fixed between two 100 x 100mm GMS posts on each side, with razor sharp tooth spike welded to top, complete with the gate rail fixed on concrete beam, all as Details 923-S2-101-wd.114	No	1		
5	Vehicle double swing gate size 7000 x 2400mm High overall in two equal leaves, Density Mesh galvanised made up or wire apertures size 76,2 x 12,7mm c/c. Panel reinforced horizontal recessed band complete with rectangular hollow section framing all round neatly mitred and welded at angles; supported or fixed between two 100 x 100mm GMS posts on each side, with razor sharp tooth spike welded to top, complete with hinges, padlock plate, 5pin upright double throw security mortice deadlock in 3mm steel plate housing closed on all sides, with the barrel bolt inside of gate frame, all as Details 923-S2-101-wd.010	No	2		
6	Cadmium plated steel security spikes screwed to hollow section gate frame (elsewhere) with and including special unscrewable type self tapping screws in accordance with the manufacturer's instructions	m	42		
	The Supply, installation, testing and commissioning of a door access control system, boom gates, and turnstiles, all as shown on the drawings.				
7	4.5m wide manually operated boom gate epoxy coated, complete	No	4		
	Carried to Collection			R	

Section No. 3
Bill No. 4

	Bolts and latches				
8	200mm Galvanised heavy duty barrel bolt welded onto gate style	No	5		
	Locks				
9	63mm Brass five pin tumbler padlock with two keys	No	5		
	Lettering				
10	50mm Wide x 300mm high Helvetica Bold "upper case" lettering neatly cut out of 6mm mild steel plate each letter with three 10mm diameter x 275mm long mild steel fixing lugs with one end welded onto letter and other end threaded for and including nut and washer, each fixing lug fitted with 20mm diameter pipe alignment spacer including bolting on through one brick wall including mortice through brickwork	No	25		
	Sundries				
11	Locking chain 500mm long with 50 x 35 x 10mm diameter shackles with one shackle welded to gate frame or gate post	No	5		
	Carried to Collection			R	

Section No. 3
Bill No. 4

	THE FOLLOWING IN RETAINING WALLS				
	Excavation not exceeding 2m deep				
12	Trenches	m3	49		
	Risk of collapse of excavations				
13	Sides of trench and hole excavations not exceeding 1,5m deep	m2	140		
	30MPa/19mm reinforced concrete				
14	Strip footings	m3	1		
15	Retaining walls	m3	76		
	Tests				
16	Making and testing 150 x 150 x 150mm concrete strength test cube and submit report to the Representative / Agent (only successful tests will be paid for)	No	8		
	Movement joints, etc				
17	20mm joint filler with 30 x 30mm polyurethane sealant on suitable back up strip vertically between concrete surfaces	m	10		
	Rough formwork to soffits and sides				
18	Walls	m2	182		
	High tensile steel reinforcement to structural concrete work				
19	12mm Diameter bars	t	8.69		
	Brickwork in NFP clay bricks (7 Mpa nominal compressive strength) in Class II mortar				
20	Half brick linings to concrete	m2	91		
21	One brick walls	m2	1		
	Carried to Collection			R	

Section No. 3
Bill No. 4

	20-30mpa Country Classic Travertine Imperial FBX clay face brick, size 222 x 106 x 73mm, manufactured in accordance with SANS 227:2007, bedded and jointed in Class II mortar and pointed with recessed vertical and recessed horizontal joints.				
22	80mm Cut linings to concrete	m2	91		
23	Face brick-on-edge coping on top of one brick wall in cement mortar and pointing on top and both sides	m	140		
	Brick reinforcement				
24	150mm Wide reinforcement built into brick walls with sufficient laps at end joints, angles and intersections (measured net)	m	140		
	One layer approved 375 micron embossed black polyethylene proof course				
25	In walls	m2	140		
	Subsoil drainage				
26	19mm Crushed stone encasing to pipes	m3	1		
27	U24 Kaytec geofabric filter blanket wrapped around stone encasing with 3000mm side and 300mm end laps including stitching	m2	56		
28	75 mm N65 Netlon drainage pipe (Geopipe)	m	140		
29	75mm uPVC weep pipes 600mm long	No	93		
	Carried to Collection			R	

Section No. 3
Bill No. 4

Section 3: External Works (Provisional)

Bill No. 4

Fencing, Boundary, Screen and Retaining Walls ect.

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Section No. 3
Bill No. 4

Item No		Unit	Quantity	Rate	Amount
	SECTION 3				
	BILL No. 5: LANDSCAPING (PROVISIONAL)				
	NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.				
	NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill				
	LANDSCAPING				
	Maintenance period				
	Attention is drawn to the maintenance period prescribed in the specification				
	THE FOLLOWING IN LANDSCAPING				
	GRASSING				
	Topsoil, compost, lime and fertilizer				
1	Place topsoil fill material from site stockpile	m3	77		
	Grassing, ground covers, etc				
2	Instant lawn: Supply and plant Pennisetum Clandestinum - Kikuyu Grass	m2	77		
	Fertilizing				
3	Fertilizing grassed areas with 2.3.2 fertilizer spread at a rate of 0,1 kg/m2 and well irrigated after completion of planting	m2	77		
	Maintenance				
4	Maintain all aspects of the landscape works from the date of practical completion of the landscape works, for a period of 3 months including the supply of fertiliser and all other materials required		Item		
	Carried to Collection			R	
	Section No. 3 Bill No. 5				

	Landscape Rocks				
5	Rock features: Supply and place landscape rocks features	No	3		
	PLANTING				
	Acacia Robusta Trees: Supply and Planting				
6	100 litre trees: Splendid Thorn	No	12		
7	100 litre trees: Dovyalis Caffra	No	5		
8	100 litre trees: Celtis Africana	No	12		
	Dombeya Rotundifolia Trees: Supply and Planting				
9	100 litre trees: Wild Pear	No	10		
	Combretum Erythrophyllum Trees: Supply and Planting				
10	100 litre trees: River Bushwillow	No	38		
11	4 litre trees: Dietes Grandiflora	No	100		
12	4 litre trees: Tulbaghia Violacea	No	100		
13	4 litre trees: Agapanthus Spp Mix	No	100		
14	2 litre trees: Carpobrotus Edulis	No	100		
	THE FOLLOWING IN PLAY GROUND				
	Supply and install Child Friendly Artificial Grass Lock				
15	500 x 500 x 30mm thick Interlocking Artificial Grass to allow for drainage under the grass laid on compacted on granular base to engineers detail.	m2	60		
	Kids playing sand filling supplied by the contractor				
16	SABS Approved Playing Sand - Sandpit	m3	10		
	Carried to Collection			R	

Section No. 3
Bill No. 5

Section 3: External Works (Provisional)

Bill No. 5

Landscaping

COLLECTION

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Section No. 3
Bill No. 5

Section 3: External Works (Provisional)

SECTION SUMMARY - Section 3: External Works (Provisional)

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4	Fencing, Boundary, Screen and Retaining Walls ect.	162	
5	Landscaping	165	
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Section No. 3

Item No		Quantity	Rate	Amount

SECTION 4

BILL NO. 1: SMALL POWER AND LIGHTING INSTALLATION

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill

NOTE: The complete installation must comply SANS 0142 specifications and the Quality specification in this document. Therefore Tenders are advised to study the specification and drawings before the Bill is to be price.

SUPPLEMENTARY PREAMBLES

Supplementary preambles and full descriptions of materials, items, work, etc. applicable to this Section

The Contractor is referred to relevant annexture for supplementary preambles and full descriptions of materials, items, work, etc. which shall be regarded to be equally applicable for work described in this section, unless specifically otherwise described

Specification and drawings

Tenderers are referred to the Electrical Specification and drawings annexed to these bills of quantities for full descriptions of the project specification, materials to be used, etc

Carried to Collection R

Section No. 4
Bill No. 1

	LIGHTING & POWER				
	ELECTRICAL DISTRIBUTION BOARD				
	To comply with SANS 10142-1				
	Supply and install, complete with box, panel, lockable doors etc; a Flush mounted distribution board including the termination of all conductors etc:				
1	Library block flush mount DB Board without equipment , as specified	No	1		
2	Guard House block flush mount DB Board without equipment , as specified	No	1		
	Supply, install and connect distribution board equipment as indicated in the single line diagram for each distribution box.				
	Essential Load				
3	Complete 10A 2-pole (5kA) Circuit Breaker, as specified	No	19		
4	Complete 15A 1-pole 5kA Circuit Breaker, as specified	No	2		
5	Complete 20A 2-pole (5kA) Main Circuit Breaker, as specified	No	35		
6	Complete 60A 4-pole (5kA) Main Circuit Breaker, as specified	No	2		
7	Complete 63A 2-pole Earth leakage isolator, as specified	No	10		
8	Complete 80A 4-pole (5kA) Main Circuit Breaker, as specified	No	3		
9	Complete 40A 4-pole (5kA) Main Circuit Breaker, as specified	No	4		
10	Complete 30A 2-pole 5kA D-Curve Circuit Breaker, as specified	No	6		
11	Complete set of Class 2 Surge Arrestor	No	6		
12	Complete Spare openings filled with 1-pole dummy breakers, as specified	No	3		
	Carried to Collection			R	

Section No. 4
Bill No. 1

	FEEDER CABLES				
	Supply, install and connect 660/1000 Volt multi-core PVC insulated copper, armoured cables in accordance with SANS 10142-1&2:2017				
13	Complete 4mm² x 2 core ECC cable - in ducts, trenches or on cable tray, as specified	m	25		
14	Complete 4mm² x 2 core electrical Cable ends	No	2		
15	Complete 10mm² x 4 core cable ECC- in ducts, trenches or on cable tray, as specified	m	100		
16	Complete 10mm² x 4 core electrical Cable ends	No	8		
17	Complete 25mm² x 4 core cable ECC- in ducts, trenches or on cable tray, as specified	m	150		
18	Complete 25mm² x 4 core electrical Cable ends	No	8		
	TRENCHING				
	Trenching through pickabel ground, backfilling with 150mm of clean sand, danger tape and then backfilling and compaction				
19	900mm deep trench per lineal metre, in accordance with SANS 10142-1:2017	m	170		
	CONDUCTORS				
	Supply and install 600/1000Volt PVC insulated stranded copper conductors drawn into conduits, cable trays, trunking and powerskirtings but not limited to:-				
20	Complete 2.5mm² conductor with BCE, as specified	m	1 850		
21	Complete 4mm² conductor with BCE, as specified	m	2 500		
22	Complete 6mm² conductor with BCE, as specified	m	1 300		
	Carried to Collection			R	

Section No. 4
Bill No. 1

	CONDUIT				
	Supply and install conduit including cutting, threading, bending, reaming, short lengths,1-/2-/3-4-way boxes, bushes, locknuts, couplings saddles, screws etc.				
	Installed on surface in ceiling space:				
23	20mm PVC	m	1 150		
24	25mm PVC	m	820		
	Chased into brickwork:				
25	20mm PVC	m	420		
26	25mm PVC	m	810		
27	50mm PVC	m	45		
	Cast into concrete:				
28	20mm PVC	m	200		
29	25mm PVC	m	700		
	Installed on surface in ceiling space:				
30	25mm Bosal	m	820		
	Chased into brickwork:				
31	25mm Bosal	m	20		
	Cast into concrete:				
32	25mm Bosal	m			
	Terminations onto conduit boxes or DB's				
33	20mm PVC	No	18		
34	25mm PVC	No	27		
	Supply and installation of 60mm Dia round 1-4 way ceiling boxes including connection of conduit and extension rings				
35	20mm PVC	No	230		
	Carried to Collection			R	

Section No. 4
Bill No. 1

36	25mm PVC	No	35		
	PVC Sleeve and Trunking				
37	50mmØ PVC sleeve in a trench to Junction Box in the Administartion Block, as illustrated on the site layout	m	150		
38	110mmØ PVC sleeve in a trench to DB in the Administartion Block, as illustrated on the site layout	m	320		
39	50 x 25mm PVC Trunking descending from U-Rack on to Power Skirting.	m	40		
	Supply and installation of galvanised pressed boxes flush in wall, including bushes, locknuts and box extensions where required:				
40	Complete 100 x 100 x 50mm outlet box complete with cover lid, as specified	No	57		
41	Complete 100 x 50 x 50mm outlet box complete with cover lid, as specified	No	38		
	LUMINAIRES				
	Supply, install and connect luminaires complete with lamps, fixings, brass screws, washers, etc. (all light fittings samples shall be approved by the electrical engineer prior to placing orders).				
	Type F1				
42	Complete Surface mount 1200mm 1 LED lamp 1x18W open channel fluorescent luminaire ,similar or equal and approved, as specified	No	12		
	Type F3				
43	Complete Open Channel T8 Fluorescent complete with 2X28W LED Luminaire similar or equal and approved, as specified.	No	10		
	Type F5				
44	Complete Surface mount 1200mm x 600mm LED Fluorescent lamp 3 x 36W Parabolic luminaire ,similar or equal and approved, as specified	No	26		
	Carried to Collection			R	

Section No. 4
Bill No. 1

	Type B1				
45	Complete Decorative LED Downlight Luminaire rated at 8W IP40 or similar or equal and approved, as specified.	No	20		
	Type B2				
46	Complete Decorative LED Downlight Luminaire rated at 12W IP20 or similar or equal and approved, as specified.	No	8		
	Type B3				
47	Complete Decorative Black LED Downlight Luminaire rated at 16W IP20 or similar or equal and approved, as specified.	No	9		
	Type P1				
48	Complete 40W 600 x 600mm LED Panel Light or similar or equal and approved, as specified.	No	20		
	Type W1				
49	Complete black rectangl IP66 rated robustly constructed,weaher proof,hail proof,corrosion proof and vandal resistant wide beam wall mounted decorative 1X100W LED luminaire with an aluminium die cast (LM6) body, similar or equal and approved, as specified	No	24		
	Type W2				
50	Complete Decorative black rectangle IP66 rated robustly constructed, weather proof, hail proof, corrosion proof and vandal resistant wide beam wall mounted decorative 1X100W LED luminaire with an aluminium die cast (LM6) body, similar or equal and approved, as specified	No	1		
	Photo electrical switch				
51	Complete photo electrical switches complete on a wall round outlet box.:	No	4		
	Carried to Collection			R	

Section No. 4
Bill No. 1

	LIGHT SWITCHES				
	Supply, fitting and electrical connection of a flush or surface mounted 16A switch in 100 x 50 excluding box (for flush type) and conduit connections, but including cover plates.				
52	Complete 16A 1-lever / 1-way on 100 x 50 x 50mm, as specified	No	12		
53	Complete 16A 1-lever / 2-way on 100x50x50mm, as specified	No	14		
54	Complete 16A 2-lever / 1-way on 100 x 50 x 50mm, as specified	No	7		
55	Complete 16A 3-lever / 2-way on 100x50x50mm, as specified	No	2		
	POWER SOCKET OUTLETS				
	Supply, fitting and electrical connection of flush or surface mounted switched or un-switched socket in either 100 x 100, 100 x 50, round box or wiring channel, excluding box (for flush type) and conduit connections, but including cover plate.				
56	Complete 16A single switched socket on 100 x 100 x 50mm outlet	No	11		
57	Complete surface mounted 16A Single Switched socket outlet on 100 x 100 x 50mm outlet	No	10		
58	Complete 16A double switched socket on 100 x 100 x 50mm outlet	No	6		
59	Complete 16A Europlug Switched on 100 x 100x 50mm outlet	No			
60	Complete 16A Europlug with 2 USB Ports on 100 x 100 x 50mm outlet	No	25		
61	Complete weather proof and vandal resistant100 x 100 x 50mm junction box, as specified	No	8		
62	Complete Dual Aluminium floor Box (Floor recessed) with one 16A Switched Socket Outlet and one RJ45 Datapoint, as specified	No	2		
63	Complete 5A unswiched socket outlet for decorative fluoroscent,as specified	No	50		
	Carried to Collection			R	

Section No. 4
Bill No. 1

	ISOLATORS				
	Supply, fitting and electrical connection of flush or surface mounted Metal Clad Isolators in either 100 x 100, 100 x 50, round box or wiring channel, excluding box (for flush type) and conduit connections, but including cover plate.				
64	Complete 30A 2 pole flush Isolator with indicator light and cord grip, as specified	No	11		
65	Complete 50A 2 pole flush Isolator with indicator light and cord grip, as specified	No	4		
	POWER SKIRTING INSTALLATION				
	Supply, deliver and install 2 compartment power skirting including cutting, ends, covers, elbows, risers, screws etc, as specified				
66	2 compartment power skirting straight length	m	80		
67	16A 3-pin switched socket outlets mounted in power skirting, including cover plates	No	50		
68	Complete CATe6 data socket outet with cradles and cover plates,as specified	No	8		
	CABLE TRAY AND WIRE-WAY INSTALLATION				
	Supply, delivery and installation of galvanized wiring trunking complete with hangers, threaded rods and lock nuts, as specified				
69	Complete P9810 Wiring Channel 127mm as specified.	m	85		
70	Complete P9810 Wiring Channel T Junction	No	7		
71	Complete P9810 Wiring Channel Horizontal Elbow	No	2		
72	Complete P9810 Wiring Channel End Cap	No	8		
73	Complete Straight Wire-Mesh Cable Tray of 200mm x 50mm	m	45		
74	Complete Horizontal Elbow Wire Mesh Cable Tray of 200 x 50mm	No	6		
75	Complete T-Junction Wire-Mesh Cable Tray of 200mm x 50mm	No	2		
	Carried to Collection			R	

Section No. 4
Bill No. 1

76	Complete Straight Heavy Duty RFHD 200mm x 76mm Perforated Cable tray	m	101		
77	Complete Horizontal Elbow Heavy Duty RFHD 200mm x 76mm Perforated Cable tray	No	4		
78	Complete T-Junction for Heavy Duty RFHD 200mm x 76mm Perforated Cable tray	No	3		
79	Complete Cross Junction for Heavy Duty RFHD 200mm x 76mm Perforated Cable tray	No	3		
	APPLIANCE CONNECTION				
	Electrical connection of appliances, from the Isolator outlet to the equipment connection terminals. (Provisions for Flexible conduit and wiring or cables required, to be included). Specified Appliances supplied and installed by others.				
80	6mm² x 2Core/ECC Cable	m	250		
	LIGHTNING PROTECTION INSTALLATION				
	Supply, install and test a complete lightning protection installation, including aluminium and copper conductors, test joints, PVC conduit, earth electrodes for the complete buildings by specialised contractor but not limited to: -				
81	Bodibe Library, as specified	No	13		
82	Guard House, as specified	No	1		
83	Pump House block, as specified	No	1		
	EARTHING AND BONDING				
84	Bodibe Library - Earthing of all buildings to comply with the latest SANS 10142 1&2:2009, as revised Code of Practice, as revised for The Wiring of Premises as amended and as specified. Bonding of all hot, cold and waste pipes complete with 12,5mm x 1mm thick solid or perforated copper tape including terminations.	No	1		
85	Guard House - Earthing of all buildings to comply with the latest SANS 10142 1&2:2009, as revised Code of Practice, as revised for The Wiring of Premises as amended and as specified. Bonding of all hot, cold and waste pipes complete with 12,5mm x 1mm thick solid or perforated copper tape including terminations.	No	1		
	Carried to Collection			R	

Section No. 4
Bill No. 1

86	Pump House - Earthing of all buildings to comply with the latest SANS 10142 1&2:2009, as revised Code of Practice, as revised for The Wiring of Premises as amended and as specified. Bonding of all hot, cold and waste pipes complete with 12,5mm x 1mm thick solid or perforated copper tape including terminations.	No	1		
	TESTING AND COMMISSIONING				
87	Bodibe Library - Inspections, testing and handing over of the complete installation in the presence of the Engineer and certify the results on the Certificate of compliance by an accredited person in accordance with SANS 10142-1:2017.:	No	1		
88	Guard House - Inspections, testing and handing over of the complete installation in the presence of the Engineer and certify the results on the Certificate of compliance by an accredited person in accordance with SANS 10142-1:2017.:	No	1		
89	Pump House - Inspections, testing and handing over of the complete installation in the presence of the Engineer and certify the results on the Certificate of compliance by an accredited person in accordance with SANS 10142-1:2017.:	No	1		
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Section No. 4
Bill No. 1

Section 4 : Electrical Works

Bill No. 1

Power & Lighting

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Section No. 4
Bill No. 1

Item No			Quantity	Rate	Amount
	SECTION 4				
	BILL NO. 2: RETICULATION INSTALLATION				
	NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.				
	NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill				
	SUPPLEMENTARY PREAMBLES				
	Supplementary preambles and full descriptions of materials, items, work, etc. applicable to this Section				
	The Contractor is referred to relevant annexture for supplementary preambles and full descriptions of materials, items, work, etc. which shall be regarded to be equally applicable for work described in this section, unless specifically otherwise described				
	Specification and drawings				
	Tenderers are referred to the Electrical Specification and drawings annexed to these bills of quantities for full descriptions of the project specification, materials to be used, etc				
	LUMINAIRES				
	Supply, install and connect luminaires complete with lamps, fixings, brass screws, washers, etc. (all light fittings samples shall be approved by the electrical engineer prior to placing orders).				
	Type P1				
1	Complete IP65 rated 55w LED post top luminaire with a 5m fibre glass pole for the parking area, as specified.	No	12		
	Carried to Collection			R	

Section No. 4
Bill No. 2

	SUPPLY AND INSTALL DISTRIBUTION KIOSK (METERING), INCOMING PANEL AND AC PROTECTION PANEL				
	Supply, install and connect a distribution kiosk complete with busbars, terminals back plate, doors, concrete plinth, single earth spike, cabel plate, etc: (Kiosk to be suitable for and with all specified equipment)				
2	Distribution Kiosk (As Specified)	No	1		
3	Complete 100A 4-pole (10kA) MCCB Main Circuit Breaker, as specified	No	1		
4	Complete 80A 4-pole (10kA) MCCB Building Circuit Breaker, as specified	No	1		
5	Complete 60A 4-pole (10kA) Feeder Breaker, as specified	No	2		
6	Complete 20A 2-pole (10kA) D- Curve Feeder Breaker, as specified	No	4		
7	Complete Photo electrical switches for Pole Lights and other Outdoor Lights.:	No	2		
	FEEDER CABLES				
	Supply, install and connect 660/1000 Volt multi-core PVC insulated copper, armoured cables in accordance with SANS 10142-1&2:2024				
8	Complete 6mm² x 2 core cable ECC- in ducts, trenches or on cable tray, as specified	m	80		
9	Complete 6mm² x 2core electrical Cable ends	No	4		
10	Complete 10mm² x 4 core cable ECC- in ducts, trenches or on cable tray, as specified	m	90		
11	Complete 10mm² x 4 core electrical Cable ends	No	4		
12	Complete 16mm² x 4 core ECC cable - in ducts, trenches or on cable tray, as specified	m	80		
13	Complete 16mm² x 4 core electrical Cable ends	No	4		
14	Complete 35mm² x 4 core cable ECC- in ducts, trenches or on cable tray, as specified	m	100		
	Carried to Collection			R	

Section No. 4
Bill No. 2

15	Complete 35mm² x 4 core electrical Cable ends	No	4		
	Cable Sleeves and Manhole				
16	Complete 50Ø cable sleeve	m	10		
17	Complete 110Ø cable sleeve	m	20		
18	Construction of 600mm x 600m x 600mm Manhole With Metal Cover	No	2		
19	Construction of 1000mm x 1000m x 600mm Manhole With Metal Cover	No	2		
	Trenching through pickabel ground, backfilling with 150mm of clean sand, danger tape and then backfilling and compaction				
20	1200mm deep trench per lineal metre, in accordance with SANS 10142-1:2017	m	150		
	PROVISIONAL SUM				
	Provisional sum amounts have been allowed for the following Installations and Equipment, for expenditure as directed by the Engineer .				
21	Eskom Installation of New Transformer 50kVA /22kV/ 400V 50Hz Supply. Eskom Will Dismantle Existing LV, Extend Overhead MV Powerline, Place 50kVA Transformer and Restring LV line Under MV Line		Item		230 000.00
	Carried to Collection			R	

Section No. 4
Bill No. 2

Section 4 : Electrical Works

Bill No. 2

Reticulation Installation

COLLECTION

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Section No. 4
Bill No. 2

Item No		Quantity	Rate	Amount

SECTION 4

BILL NO. 3: TELEPHONE AND DATA

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill

SUPPLEMENTARY PREAMBLES

Supplementary preambles and full descriptions of materials, items, work, etc. applicable to this Section

The Contractor is referred to relavant annexture for supplementary preambles and full descriptions of materials, items, work, etc. which shall be regarded to be equally applicable for work described in this section, unless specifically otherwise described

Specification and drawings

Tenderers are referred to the Electrical Specification and drawings annexed to these bills of quantities for full descriptions of the project specification, materials to be used, etc

Carried to Collection R

Section No. 4
Bill No. 3

VOICE AND DATA

Supply & Install the following equipment including all connectors, terminal screws:

1	Complete 9U high free standing data equipment rack with extraction fans, Surge protected PSU and lockable glass door, as specified	No	1	
2	Complete 12U wall mounted data equipment rack with extraction fans, Surge protected PSU and lockable glass door, as specified	No	1	
3	Complete 1U wall mounted data equipment rack with extraction fans, Surge protected PSU and lockable glass door, as specified	No	1	
4	Complete 10kVa three phase delta true on line double conversion UPS with 1 hr back up time	No	1	
5	Complete Cisco Router with Integrated 8-port LAN switch, 128MB DRAM, 2 port fast ethernet WAN, Wireless Option Integrated 802.11a/b/g , power over ethernet and 2 usb Ports, IP Serial Card,as specified.	No	1	
6	Complete Server with CAL, as specified	No	1	
7	Complete Catalyst 2960 24/100 LAN Cisco Managed Network Switch 8 port	No	1	
8	Complete Catalyst 2960 24/100 LAN Cisco Managed Network Switch 24 port	No	1	
9	Complete Catalyst 2960 48/100 LAN Cisco Managed Network Switch 48 port	No	1	
10	Complete Cat 6 Data 24 Port Patch Panel with port labels, as specified	No	2	
11	Brush Panel	No	2	
12	Complete 1U cable management, as specified	m	3	
13	Complete 1m Cat 6 data Patch Leads, as specified	No		
14	RJ45 Connector with boot	No	38	

Carried to Collection R

Section No. 4
Bill No. 3

15	Complete Cat6 data cabling from patch panels to power skirting, floor mounted power box and wall mounted data outlet point with labeling on a (25mm diameter PVC conduit wire-ways, trunking and sleeves etc to be installed by others), as specified	m	1 900		
16	Complete RJ45 Cat 6 data outlet on a wall, as specified	No			
17	CAT5 Fly Lead Grey / 3m	No			
	VOICE INSTALLATION HEAD-END EQUIPMENT				
18	Complete PABX system with managed buffer, software and incoming prompt message system to connect with 10 telephone phone lines	No	1		
19	Complete installation of IPBX system as specified Analogue Extension Ports 2 IP Extension Ports 120 Analogue Exchange Line Ports 2 SIP VoiP Trunk Ports 50 Integrated Multi Level Auto Attendant incl Integrated Voice Mail for all Extensions incl Music On Hold incl Lightning Protection incl	No	1		
20	Telephone Call Cost Manager Soft Orange 36 Port	No	1		
21	Complete installation of Switchboard operator as specified Switchboard - Gigabit IP Instrument with 24 Key Extension Module, 4.3 inch (480x272) color-screen LCD • Dual Gigabit ports, integrated PoE • HD audio on speakerphone and handset • 5 programmable context-sensitive soft keys • 24 dual-colored BLF/speed dial keys • Integrated Bluetooth	No	1		
22	Complete installation of headset for Offices and HOD as specified Basic - 2 Line 10/100Mbps IP Instrument, 2 Lines • Dual 10/100 ports, integrated PoE • HD audio on speakerphone and handset	No	2		
23	Network Switch: L2, Full managed, 24 100M PoE port, 2 1000M combo port, 802.3af/at, PoE power budget 380W	No			
	TESTING AND COMMISSIONING				
24	Testing ,commissioning, labelling, programming and handing over of a complete fully operational system to client and engineer's requirements.		Item		
	Carried to Collection			R	

Section No. 4
Bill No. 3

25	Compile a set of operational manuals for the complete system installed.	Item			
26	12 Month Guarantee and Maintenance as specified.	Item			
	Carried to Collection			R	

Section No. 4
Bill No. 3

Section 4 : Electrical Works

Bill No. 3

Telephone and Data

COLLECTION

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Section No. 4
Bill No. 3

Item No		Quantity	Rate	Amount

SECTION 4

BILL NO. 4: FIRE DETECTION

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill

SUPPLEMENTARY PREAMBLES

Supplementary preambles and full descriptions of materials, items, work, etc. applicable to this Section

The Contractor is referred to relavant annexture for supplementary preambles and full descriptions of materials, items, work, etc. which shall be regarded to be equally applicable for work described in this section, unless specifically otherwise described

Specification and drawings

Tenderers are referred to the Electrical Specification and drawings annexed to these bills of quantities for full descriptions of the project specification, materials to be used, etc

Carried to Collection R

Section No. 4
Bill No. 4

	SMOKE DETECTION				
	Supply & Install the following equipment including all connectors, terminal screws:				
1	1200 Series -Addressable Fire Panel with 2-4 loops 16 Zone Led's -English UK inc batteries	No	1		
2	1200/2000 Series Configuration and Maintenance Software	No	1		
3	1200/2000 Series wall Mount loop powered Sounder/VAD,Multi-Tone,Deep base Red Flash Inc Base	No	3		
4	1200/2000 series MCP, Red surface Mount W/Glass complete with back box	No	6		
5	1200/2000 addresable optical sensor inc Base	No	1		
6	1200/2000 addresable optical sensor Inc Base	No	2		
7	Spare glass 20pack	No	1		
8	Air conditioner shutdown module	No	5		
9	Fire Retardant Cable 1.5mm.sq.-PH30-100/100	m	800		
10	Universal Smoke and Detector	No	33		
	TEST & COMMISSION				
11	Testing ,commissioning, labelling, programming and handing over of a complete fully operational system to client and engineer's requirements.		Item		
12	Sign-off my Suitable SAQCC Commissioner	No	1		
13	Asbuilts		Item		
	Carried to Collection			R	

Section No. 4
Bill No. 4

Section 4 : Electrical Works

Bill No. 4

Fire Detection

COLLECTION

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Bill No. 4

Section 4 : Electrical Works

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Section No. 4

Item No		Unit	Quantity	Rate	Amount

SECTION 5

BILL NO. 1: AIR CONDITIONING INSTALLATION

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill

NOTE: The contractor is advised to study the Mechanical Engineer's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Project Manager.

SUPPLEMENTARY PREAMBLES

Supplementary preambles and full descriptions of materials, items, work, etc. applicable to this Section

The Contractor is referred to relevant annexture for supplementary preambles and full descriptions of materials, items, work, etc. which shall be regarded to be equally applicable for work described in this section, unless specifically otherwise described

Trade names

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 written approval from the Representative / Agent

Ductwork

Where transformations or reducers occur the larger size ductwork has been measured through the fitting. Descriptions of ductwork shall be deemed to include stiffeners, jointing materials, sealants, couplers in the running length and access/inspection panels in accordance with the specification

Carried to Collection R

Section No. 5
Bill No. 1

Dampers

Descriptions of smoke and fire dampers shall be deemed to include fusible links, sleeves, frames, supports and access openings in ducts

Air Diffusion

Descriptions of air terminals, grilles, louvres and the like shall be deemed to include necks, frames, supports and flexible connections

Fans

Descriptions of fan assemblies shall be deemed to include supports from the structure, flexible or other connections to ductwork, vibration isolation mountings and airtight inspection doors

Sound attenuators

Descriptions of sound attenuators shall be deemed to include flanged or flexible connections to ductwork and supports from the structure

Fan coil units, fan air terminals and fan heaters

Descriptions of fan coil units, fan air terminals and fan heaters shall be deemed to include connection points for water, air and electrical, air grilles, dust trays, condensate trays and vibration isolation mountings. Flexible ducting, flexible hose and connecting cables for connecting these units to each other or to water piping and electrical supply are separately measured

Major equipment

Descriptions of major equipment such as chillers, air handling units and the like shall be deemed to include connections to water, air and electrical supply and/or discharge points, supports, bearers, vibration isolation mountings, filters, insulation, inspection ladders and gangways, access doors and panels, painting, etc as specified

Carried to Collection R

Section No. 5
Bill No. 1

	AIR CONDITIONING				
	Supply, Delivery and Installation of inverter type split unit with indoor and outdoor units. Including trunking, piping between outdoor and indoor portions of unit, mounting brackets, condensate drain pumps, touch controller and all necessary accessories.				
1	Brand: Midea (Any other makes to be approved) Type: Ceiling Cassette Indoor unit Cooling Capacity: (36 000 BTU) Inverter Type Controller: Wired Include all necessary supports, controllers and ancillaries	No	4		
2	Brand: Midea (Any other makes to be approved) Type: Ceiling Cassette Indoor unit Cooling Capacity: (18 000 BTU) Inverter Type Controller: Wired Include all necessary supports, controllers and ancillaries	No	1		
	PIPING				
	Refrigerant pipes				
3	Complete piping installation including but not limited to piping, cable trays. Length of piping measured per running meter of cable tray/rack, this would be 2 pipes per running meter	m	75		
	Condensate Piping				
4	Complete piping installation including but not limited to piping, cable trays. Length of piping measured per running meter of cable tray/rack, this would be 2 pipes per running meter	m	50		
5	Installation and Commissioning (including all brackets, supports, etc.) for the above 6x split inverter type system, indoor and outdoor units. Please refer to 2406-SOW-01-01-RB"	No	1		
6	Apply anti-corrosion treatment on all the condenser coils (Bluchem or equally approved). Certificate of treatment to be submitted to the design engineer. (Rate per split unit)	No	1		
	Carried to Collection			R	

Section No. 5
Bill No. 1

VENTILATION SYSTEM

Supply and delivery to site of the following items, including trunking, mounting brackets and supports, touch controllers and all necessary accessories.:

Fresh Air Fan

7	Fan Type: In-line Tube Fan Drawing ID: FAF 01 Fan Make: AMS - Model TD 6000/400 or similar approved check flow Diameter: 399mm Process Data: Airflow 900 l/s @ 250Pa Filter: Washable Pleated Filter in filter box to suit fan flow Mounting: Anti-Vibration Mounts	No	1		

Sound Attenuators

8	Diameter to suit fan, with flexible collars POD Type NC rating: 35	No	2		

Ducting

9	Low Pressure Galvanised ducting including all transformation pieces (including all brackets and supports) to SANS 1238, 0,6mm	m	80		

Flexible Duct

10	Supply and install wire reinforced aluminium flexible ducting complete with clamps; duct sealant and fixings. 1 500mm long Diameter: 100	m	2		

Balancing Damper

11	Balancing Damper to suit duct, manual type, made of sheet metal Size: 100	No	1		

Disc Valve

12	Size: ∅100 Standard Colour	No	1		

Carried to Collection R

Section No. 5
Bill No. 1

	Flexible Duct				
13	Supply and install wire reinforced aluminium flexible ducting complete with clamps; duct sealant and fixings. 1 500mm long Diameter: 200	m	15		
	Balancing Damper				
14	Balancing Damper to suit duct, manual type, made of sheet metal Size: 200	No	15		
	Disc Valve				
15	Size: ∅200 Standard Colour	No	15		
	Weather Louver				
16	Type: Steel Type Drawing ID:WL01 Size: 450x450 Epoxy Powder Coated	No	1		
17	Installation & Commissioning of 2x fans (incl all brackets, supports etc.) for the system	No	1		
	Door grille				
18	Size: 200 x 200 Epoxy Powder Coated	No	1		
	EXTRACTION SYSTEM				
	Supply and delivery to site of the following items, including trunking, mounting brackets and supports, touch controllers and all necessary accessories.:				
	Fresh Air Fan				
19	Fan Type: In-line Tube Fan Drawing ID: EAF01 Fan Make: AMS - Model TD500/150 (Low Pitch) or similar approved Diameter: 147mm Process Data: Airflow 50l/s @ 150Pa Filter: Washable Pleated Filter in filter box to suit fan flow Mounting: Anti-Vibration Mounts	No	1		
	Carried to Collection			R	

Section No. 5
Bill No. 1

20	Fan Type: In-line Tube Fan Drawing ID: EAF02 Fan Make: AMS - Model TD 500/150 (High Pitch) or similar approved Diameter: 147mm Process Data: Airflow 66l/s @ 150Pa Filter: Washable Pleated Filter in filter box to suit fan flow Mounting: Anti-Vibration Mounts	No	1		
	Sound Attenuators				
21	Diameter to suit fan, with flexible collars POD Type NC rating: 35	No	4		
	Ducting				
22	Low Pressure Galvanised ducting including all transformation pieces (including all brackets and supports) to SANS 1238, 0,6mm	m	22		
	Flexible Duct				
23	Supply and install wire reinforced aluminium flexible ducting complete with clamps; duct sealant and fixings. 1 500mm long Diameter: 200	m	2		
	Balancing Damper				
24	Balancing Damper to suit duct, manual type, made of sheet metal Size: 200	No	2		
	Disc Valve				
25	Size: ∅200 Standard Colour	No	2		
	Weather Louver				
26	Type: Steel Type Drawing ID :WL02 Size: 300x300 Epoxy Powder Coated	No	2		
27	Installation & Commissioning of 2x fans (incl all brackets, supports etc.) for the system	No	2		
	Carried to Collection			R	

Section No. 5
Bill No. 1

	TEST & COMMISSION				
28	Test and commission the Ventilation system.		Item		
29	Test and Commission the Entire Air conditioning system			SUM	
30	Ditto but in the presence of and to the entire satisfaction of the Consulting Engineer.			SUM	
31	Asbuilts		Item		
	Carried to Collection			R	

Section No. 5
Bill No. 1

Section 5: Mechanical Works

Bill No. 1

Air Conditioning Installation

COLLECTION

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Section No. 5
Bill No. 1

Item No		Unit	Quantity	Rate	Amount

SECTION 5

BILL NO. 2: FIRE PROTECTION INSTALLATION

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill

NOTE: The contractor is advised to study the Mechanical Engineer's drawings before pricing this bill. In the case of any discrepancies between the bill and the drawings the contractor must notify the Principal Agent.

SUPPLEMENTARY PREAMBLES

Supplementary preambles and full descriptions of materials, items, work, etc. applicable to this Section

The Contractor is referred to relavant annexture for supplementary preambles and full descriptions of materials, items, work, etc. which shall be regarded to be equally applicable for work described in this section, unless specifically otherwise described

Trade names

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Carried to Collection R

Section No. 5
Bill No. 2

	PORTABLE FIRE EXTINQUISHERS				
	Supply and install fire extinguishers complete as specified				
1	4,5 kg DCP fire extinguishers complete with backboard mounted as required	No	13		
2	5 kg CO2 fire extinguishers complete with backboard mounted as required	No	1		
	STATUTORY FIRE SIGNAGE				
	Supply and install photo luminescent fire and evacuation signage as described below and as per the tender drawings:				
	All signed to be framed in the natural anodized aluminium frame with mitred corner and concealed elbow joints.				
	All wall mounted fire and evacuation signs to be fixed with concealed screws and no double sided tape will be permitted for the mounting of the signs.				
	All suspended fire and evacuation signs to be hung from a steel cables or metal chains.				
	All signage to be a minimum 190mm size.				
	All fire and evacuation signs to be SANS 1186-1, 1186-3 and 1186-5 approved, and also to bear the SANS stamp of approval.				
3	Escape and Exit signage with directional arrow to ensure 20m visibility and should be of illuminated lighting.	No	3		
4	Access and Direction of travel signage	No	13		
5	Emergency Assembly Point sign with steel pole and mass concrete base	No	1		
6	Fire Extinguisher and Arrow sign (190x190mm size per sign)	No	15		
7	Fire Hose Reel and Arrow sign (190x190mm size per sign)	No	2		
8	Hydrant and Arrow sign (290x290mm size per sign) with steel pole and mass concrete base.	No	2		
	Carried to Collection			R	

Section No. 5
Bill No. 2

9	Hose reel and Extinguisher signage with directional arrow	No	2		
10	Provision of fire plan in laminated A3 size.	No	1		
	Carried to Collection			R	

Section No. 5
Bill No. 2

Section 5: Mechanical Works

Bill No. 2

Fire Protection Installation

COLLECTION

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Section No. 5
Bill No. 2

Item No		Unit	Quantity	Rate	Amount

SECTION 5

BILL NO. 4: WET SERVICES

NOTE: Tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-001E) before pricing this bill.

NOTE: The contractor is advised to study the Model Preambles for Trades before pricing this bill

SUPPLEMENTARY PREAMBLES

Supplementary preambles and full descriptions of materials, items, work, etc. applicable to this Section

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Trade Names

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Carried to Collection R

Section No. 5
Bill No. 3

	WATER SUPPLIES				
	Supply and install Piping to SABS 15874: Fussion weld connections, pipes, fittings, saddles, bracketing and accessories fixed to soffit and walls, or as described in accordance with the manufacturer's specification complete with labour.				
	SABS 15874 - Pipe				
1	ø 20mm	m	45		
2	ø 25mm	m	35		
3	ø 32mm	m	58		
	SABS 15874 - Elbows - 90 degrees				
4	ø 20mm	No	30		
5	ø 25mm	No	20		
6	ø 32mm	No	10		
	SABS 15874 - Reducer				
7	ø 25mm - ø 20mm Reducer	No	25		
8	ø 32mm - ø 25mm Reducer	No	10		
9	ø 32mm - ø 20mm Reducer	No	16		
	SABS 15874- Equal Tee				
10	ø 20mm	No	35		
11	ø 25mm	No	35		
12	ø 32mm	No	5		
	SABS 15874 - Reducing Tee				
13	ø 25mm x ø 20mm - ø 20mm	No	15		
14	ø 32mm x ø 25mm - ø 32mm	No	5		
15	ø 32mm x ø 20mm - ø 32mm	No	5		
	Carried to Collection			R	

Section No. 5
Bill No. 3

	Isolating Valve with Handle nickel plated				
16	ø 20mm	No	20		
17	ø 25mm	No	2		
18	ø 32mm	No	2		
	Sockets				
19	ø 20mm	No	20		
20	ø 25mm	No	4		
21	ø 32mm	No	2		
	Insulation				
22	ø 20mm	m	10		
23	ø 25mm	m	10		
24	ø 32mm	m	2		
	Pressure reducing valve				
25	ø 25mm	No	2		
26	ø 32mm	No	1		
	HDPE/UPVC to transition fitting. Underground copper portion to be denzo wrapped (1m underground)				
27	ø 25mm	No	1		
28	ø 32mm	No	1		
	Vacuum Breakers				
29	ø 25mm	No	1		
30	ø 32mm	No	2		
	TESTING				
31	Pressure test of Water system / Installation and commissioning		Item		
	Carried to Collection			R	

Section No. 5
Bill No. 3

	PUMP AND TANK				
	Supply and install fire booster pumps for fire water supply, complete with pressure vessel, non-return valves, anti-vibration connections, shut-off valves, suction and delivery manifolds, Variable Speed Drive (VSD), float switches, flow switches, pressure sensors, and all necessary accessories to ensure a successful installation. **The installation shall include a full set of duty, standby, and jockey pumps, as well as control panels, diesel tanks to supply the engine, and provision for routing the diesel engine exhaust to the exterior.** **The pumps shall be installed as indicated on the drawings and in accordance with manufacturers' specifications and recommendations. Pumps shall be powered by diesel.**				
32	Supply, Install and Commissioning of a 26 l/min @ 1,5 Bar pump set (Duty 1 and Duty 2) for Grundfos Package pressure potable water supply, complete with non-return valves, anti vibration connections, shut-off valves, suction and delivery manifolds, Variable speed drive (VSD), float switches, flow switches, pressure sensors and all necessary accessories to ensure a successful installation. The pumps shall be installed in accordance to manufacturers' specification and recommendations. Pumps shall be powered from backup power supply. c/w concentric reducer to 100NB flanged connection.	No	1		
33	10 000 Litres - Supply, Install and commissioning Steel Panel tanks complete with non-return valves, anti-vibration connections, shut-off valves, suction and delivery manifolds, float switches, flow switches, pressure sensors and all necessary accessories to ensure a successful installation. The Jojo tanks shall be installed in accordance to manufacturers' specification and recommendations	No	1		
34	Pipes shall be laid and bedded in accordance with manufacturer's instructions and trenches shall be carefully backfilled. Where no manufacturer's instructions exist, pipes shall be laid in accordance with SANS 1200DB Clause 8.3.2 a): Excavate in all materials for trenches, backfill, compact and dispose of surplus material. Excavations, bedding and ancillaries to be included. HDPE class 16 PE 100 to SANS 4427 pressure pipes to be used.Supply, lay, bed and test pipes complete with couplings and fittings		Item		50 000.00
	Carried to Collection			R	

Section No. 5
Bill No. 3

	EQUIPMENT				
	Supply and install lagged hot water cylinder complete with electric element, drip tray with P-traps, multi-control valve, element thermostat, safety valve, necessary strainers, valves, pressure gauges, piping and accessories as per manufacturers specification or as shown on the drawing schematic. Hot water return circulation pump priced separately. This must include end connection to copper pipe. All products and installation are to be in accordance to SANS 1098, SABS 1151-2002 and SANS 10254 respectively. Kwikot, Heat tech, or equally approved brand.				
35	10 litre - Supply, install and commission hydroboils complete with electric element, multi-control valve, element thermostat, safety valve, necessary strainers, valves, pressure gauges, piping and accessories as per manufacturers specification or as shown on the drawing schematic. This must include end connection to copper pipe. All products and installation are to be in accordance to SANS 1098, SABS 1151-2002 and SANS 10254 respectively. Franke or equally approved brand.	No	3		
	BOREHOLE				
36	SANS 62, Medium steel pipe, black, galvanised, Plain Ended 50 NB	m	30		
	Fittings				
37	90 Degree LR Elbow, Plain Ended , JIS, 50 NB	No	10		
38	FLANGE, SANS 1123, 1600/3, RF, HD GALV 50 NB	No	25		
39	GASKET, 3MM GASKETS WITH APPROPRIATE NUT AND BOLT SET, GRADE 4,8 50 NB - 4 off M16 Grade 4,8 Nut and Bolt Set	No	25		
40	Gate Valve, Resilient Seal with rising spindle, flanged, PN 16, SANS 664 50 NB	No	3		
41	Pressure cock to suit pressure gauge - PN 16	No	1		
42	CLAMPS PIPE SUPPORTS 50 NB	No	30		
43	Check Valve (Non-Return) suitable for sewerage 50 NB	No	1		
	Carried to Collection			R	

Section No. 5
Bill No. 3

44	Pressure Indicator- Wika type 100mm glycerine filled up to 10 bar	No	1		
45	Pump, submersible borehole pump c/w stainless steel motor adaptor and discharge head, polycarbonate impelors, stainless steel bowls and Noryl diffucsers, built-in check valve with built-in thrust protection. 90 l/min @ 3 bar with suitable control panel	No	1		
46	HDPE Class 16 Water Pipe Ø50	m	100		
47	HDPE Compression Fittings - 50mm	No	3		
48	HDPE adaptor to SANS 1123 1600/3 flange welded to SANS 62 pipe 1m long, with 3mm gasket and nut/bolt sets, all wrapped in Denzo wrap throughout underground portion to suit black steel pipe. 50NB	No	1		
49	50NB Rubber Bellow with flanges to SANS 1123 1600/3 - 50mm	No	1		
50	BANDING, COLOUR CODING, 3 TIMES PIPE DIAMETER per 3m of pipe length with direction arrow 50 NB	No	10		
51	Denzo Wrap	m	5		
52	COLD GALVANISING, application on site weld 50 NB	No	5		
53	Site Weld 50 NB	No	5		
54	Float Valve - 50mm with SANS 1123 1600/3 flange	No	1		
55	50mm Ultrasonic meter with local dial and sms function for readings	No	1		
56	Four Stage Filter with UV Light Treatment. Frame: Mild steel epoxy coated mounting frame. 1st stage: 20 micron pre filter for the removal of sediment and suspended matter. 2nd stage: Activated carbon block for the removal of organics, chlorine and unwanted taste and odour. 3rd stage: Ultra-fine filtration membrane which filter the water to 0,2 microns and remove 99,9% of all visible bacteria. 4th stage: Stainless steel Ultra Violet sterilising unit for the eradication of bacteria, viruses. Supplier to allow for all ancillaries for the connection of piping to the filter set.	No	1		
	Carried to Collection			R	

Section No. 5
Bill No. 3

	Spool Piece, to replace equipment during cold commissioning				
57	50 NB for Rubber Bellow	No	1		
58	50 NB for Check Valve	No	1		
	TEST & COMMISSION				
59	Installation and Commissioning of full system including all ancillaries for a fully functioning system		Item		
	Carried to Collection			R	

Section No. 5
Bill No. 3

Section 5: Mechanical Works

Bill No. 3

Wet services Installation

COLLECTION

	Page No		Amount
Total Brought Forward from Page No.	203		
	204		
	205		
	206		
	207		
	208		
	209		
Carried Forward to Summary of Section No. 5		R	

Section No. 5
Bill No. 3

Section 5: Mechanical Works

SECTION SUMMARY - Section 5: Mechanical Works

Bill No		Page No	Amount
1	Air Conditioning Installation	198	
2	Fire Protection Installation	202	
3	Wet services Installation	210	

Carried to Final Summary R

Section No. 5

FINAL SUMMARY

Section No		Page No		Amount
1	Section 1: Preliminaries	43		
2	Section 2: Main Building	143		
3	Section 3: External Works (Provisional)	166		
4	Section 4 : Electrical Works	190		
5	Section 5: Mechanical Works	211		
	SUB TOTAL		R	
	CONTINGENCIES			
	Contingency			
	Allow an amount of R 1 200 000-00 (One Million Two Hundred Thousand Rand) for Contingencies for unforeseen items to be authorized and deducted in part or whole if not required.	Item		1 200 000.00
	SUB TOTAL		R	
	Provision for Value-Added Tax (VAT) at 15 percent		R	
	Note:			
	Tenderers must submit their tenders on the official form supplied for this purpose.			
	Carried to Form of Tender		R	

C3 SCOPE OF WORKS

C3.1 Scope of Work

1.1 Employer's objectives

The scope of works is construction of New Bodibe Community Library.

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.

The Contractor shall:

- Subcontract a minimum of 5% of the total project value to targeted enterprises;
- Perform needs analysis on the targeted enterprise to identify developmental goals;
- Provide internal mentorship support to improve the targeted enterprise/s performance;
- Develop a project specific enterprise development plan to improve the targeted enterprise/s performance in the identified developmental areas to the CIDB Competence Standard for Contractors Gazette No. 41237, 10 November 2017
- Monitor and report the progress of the agreed development areas with the targeted enterprise/s
- Submit a project completion report to the Employer's representative for each targeted enterprise.

The Contractor shall provide opportunities to learners requiring structured workplace learning using one or a combination of any of the Skills Methods as agreed: accommodate Part/Full Occupational qualification (Method 1), Trade qualifications learners (Method 2),train Work Integrated Learners – P1 and P2 Learners (Method 3) and/or Professional Candidates (Method 4) as indicated in the cidb Standard and as agreed to by the Employer on this project (Employer to stipulate)

The Contractor may only place 33% employees employed by him/her or that of his/her subcontractor contributing to the CSDG.

The Contractor shall achieve the measurable CSDG by providing opportunities to learners requiring structured workplace learning using one or a combination of any of the Skills Methods as agreed: accommodate Part/Full Occupational qualification (Method 1), Trade qualifications learners (Method 2), Work Integrated Learners (Method 3) and/or Candidates (Method 4) as per the cidb Standard in relation to work directly related to the Contract as indicated under clause 4.2 and 4.3 in the cidb Standard. (Employer to stipulate).

The Contractor shall ensure that all beneficiaries of the Standard are registered with CIDB Skills Development Agency (SDA).

The Contractor shall be responsible for developing subcontractors in accordance with the CIDB Standard for Indirect Targeting for Enterprise Development.

The Contractor shall be responsible for the appointment of the Enterprise Development Coordinator.

1.2 Overview of the works

- The construction of Two (2) new buildings
- New Library
- Guard House
- Demolitions of existing ablutions
- Upgrade and new water supply, soil drainage and stormwater management
- New paving to parking
- New walkways
- Security Fencing (ClearVu)
- Covered Carports
- Landscaping and Flag Poles
- Electrical and Mechanical installations

1.2.1 The Duration of the works is **18 Months**. Contractor to make provision for sectional completion of the works as decanting plan.

1.3 Labour-intensive works

Labour-intensive works shall be constructed/maintained using local workers who are temporarily employed in terms of the scope of work

1.4 Extent of the works

The extent of the works shall comply with the Employer's requirements as outlined on the drawings listed on 2.4 below

1.5 Location of the works

Works will be executed in an approved stand/erf/portion as described in the tittle deed and delimited in the surveyor general diagram Bodibe Traditional Offices – Bodibe Village

The project is located at Bodibe Village in Ditsobotla Local Municipality, North West Province. Site Coordinates: 26°03'37.1"S 25°51'39.4"E

1.6 Temporary works

The Contractor shall provide, erect, maintain and remove on completion of the works, a temporary office to be used by Principal Agent when they are onsite and project meetings which should include ablution, parking, eating area, etc. as may be deemed necessary for project use. The location of the Contractor's facilities shall be pre approved by the Principal Agent before site establishment. In his office there must be kept a copy of all working drawings suitably mounted, a copy of the contract documents in a good and orderly condition, the site instruction and site diary books and any specification referred to in the

contract documents.

2) ENGINEERING

2.1 Design services

The design responsibility shall be allocate as follows:

Works designed by ..... Employer

Temporary works ……..... Contractor

Preparation of as-built drawings ..... Contractor

2.2 Employer's design

The Employer will be responsible for the design of the permanent works unless otherwise stated. The Contractor is responsible for the design of the temporary works and their compatibility with the permanent works.

2.3 Design brief

The Employer and the Employer's design agent will be responsible for the design of the permanent works unless otherwise stated. The Contractor will be required to submit as-built drawings.

- Construction breaks and the extent of individual concrete pours
- Routing of and junctions in all services
- Salient features for the operation and maintenance of services

and to be submitted to the following employer's required format and manner:

- A paper copy complete with approval signatures of the agent/agents bound into the operating instruction manuals
- Tiff format scanned versions of the approved paper copy
- Electronic version of approved drawings on CD in either Caddie.drw or Autocad.dwg formats

2.4 Drawings

The following drawings are applicable to the contract:

The following drawings are applicable to the contract:

Drawing number	Title
Architectural	
9700 SITE 100	Site Plan
9700 LIB 200	Floor Plan
9700 LIB 300	Sections and Elevations
9700- GH-200	Guard House - Floor Plan, Elevations & Sections
9700- LIB-600	Ablutions data sheets
9700 Rev 5	Finishes Schedule
9700 LIB 201	Finishes Schedule
9700 LIB 500	Door, window and Sanitary schedule

Civil

MAK-001	Site earthworks layout
MAK-001	Water layout
MAK-001	Sewer layout
MAK-002	Sewer details
MAK-002	Sewer longitudinal sections

Structural

IDTBL-Str-C-0	Raft foundation layout
IDTBL-Str-C-02	Raft foundation layout rebar

Electrical

BFN-EL-024-00	Bodibe-Lighting Layout
BFN-EL-024-01	Bodibe-Power Layout
BFN-EL-024-02	Bodibe-DB Schematic
BFN-EL-024-03	Bodibe-Lightning Protection Layout
BFN-EL-024-05	Bodibe-Kiosk Layout
BFN-EL-024-06	Bodibe-Sleeve Layout
BFN-EL-024-07	Bodibe-Kiosk 1 Layout
BFN-EL-024-09	Cable Tray Layout
BFN-EL-024-11	Gaurdhouse-Lighting and Power
BFN-EL-024-12	Gaurdhouse-Lightning Protection
BFN-EL-024-13	Gaurdhouse-DB Schematics
BFN-EL-024-14	Bodibe Metering Kiosk Schematic
BFN-EL-024-15	Bodibe Wiring Channel
BFN-FD-024-00	Bodibe-Fire Detection

Mechanical

2406-FIRE-LYT-01-01	Ground Floor Fire Layouts
2406-WETS-LYT-01-01	Ground Floor Water reticulation Layouts
2406-WETS-LYT-01-02	Site Plan Water Reticulation Layouts
2406-WETS-LYT-02-01	Drainage Layouts
2406-HVAC-LYT-01-01	Ground Floor HVAC Layouts

3) PROCUREMENT

3.1 Subcontracting

3.1.1 Scope of mandatory subcontract work

As per the mandatory sub-contracting clause, the Contractor must not sub-contract more than 30%, 10% of which should be allocated to the IDT CDP contractors between 1GB and 4GB (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

3.1.2 Preferred subcontractors / suppliers

3.1.3 Subcontracting procedures

See items 3.2.1 and 3.2.2 as well as BID data

3.1.4 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.

3.2 CIDB B.U.I.L.D. Programme

The contractor must comply with the Department of Public Works and Infrastructure General Notice 1779 of 2023 as per Construction Industry Development Board (CIDB) for achieving the standards for delivery skills for infrastructure contracts 31 March 2023.

4) CONSTRUCTION

4.1 Works specification

The works specifications that are applicable to the works are attached to the bid document as well as other recognized specifications obtainable on request from the Employer:

- Applicable SANS 2001 standards
- Applicable national and international standards
- Particular / generic specifications

5) MANAGEMENT

5.1 Management of the works

5.1.1 Planning and programming

The Contractor shall submit within the period stated in the Contract Data a suitable and realistic construction programme for the consideration of the Principal Agent.

5.1.2 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.

5.1.3 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.

5.1.4 Key personnel

The Contractor shall submit an organogram indicating all key personnel involved in this contract as well as their telephone or cell phone numbers. This information should be available within 2 (two) weeks after the award of the contract.

5.1.5 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.

5.1.6 Forms for contract administration

All contract administration forms must be in the manner prescribed by the JBCC as well as the scope of work

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.

5.1.7 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.

5.1.8 Daily records

The Contractor shall provide an A4 triplicate book to be used as a Daily Diary book for the duration of the contract. The Principal Agent shall retain the original sheet and the Contractor shall retain the first copy of each sheet. The second copy of each completed sheet shall be left in the Daily Diary Book. The diary shall be completed on a daily basis.

In addition to this the Contractor shall provide an A4 size triplicate book to act as a Site Instruction book. The Principal Agent shall retain the original and the Contractor shall retain the first copy of each sheet. The second copy of each completed sheet shall be left in the Site instruction book. Only the Principal Agent and/or delegated representative will have the authority to issue Site Instruction to the Contractor.

5.2 Contract Skills Development Goal (CSDG)

The successful contractor must keep site records regarding the part/full occupational qualification learners', trade qualification learners', work integrated learners' or candidates' (delete that which is not applicable) progress, site attendance, hours worked and other relevant information as required by the Standard.

The successful contractor shall provide the required number of appropriately qualified mentors to the maximum number of part/full occupational qualification learners, trade qualification learners, work integrated learners in the proportion as specified in the Standard.

The successful contractor shall provide a supervisor to manage the training of the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates (delete that which is not applicable).

The successful contractor shall submit to the employer's representative a baseline training plan in the specified format (Pro-forma A2) for the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates (delete that which is not applicable) within 30 days of start of the contract.

The successful contractor shall submit to the employer's representative project interim report in the specified format (Pro-forma A3) on the progress of each of part/full occupational qualification learner, trade qualification learner, work integrated learner, candidate (delete that which is not applicable) every three months.

The successful contractor shall submit to the employer's representative the names and particulars in the specified format (Pro-forma A4) of the supervisor, mentors for the part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates (delete that which is not applicable) within 30 days of start of the contract.

The successful contractor shall keep a daily record of all the part/full occupational qualification learners, trade qualification learners, work integrated learners, candidates on site and their daily activities and shall be made available to the employer's representative on request.

The successful contractor shall submit to the employer's representative the reports on the progress and status of the part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates (delete that which is not applicable) with the monthly invoice for the payment certificate.

The successful contractor shall have health and safety inductions for all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates (delete that which is not applicable).

The successful contractor shall conduct entry and exit medical tests of all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates (delete that which is not applicable).

The successful contractor shall provide personal protective equipment (PPE) to all part/full occupational qualification learners, trade qualification learners, work integrated learners or candidates (delete that which is not applicable) at the start of their employment on site.

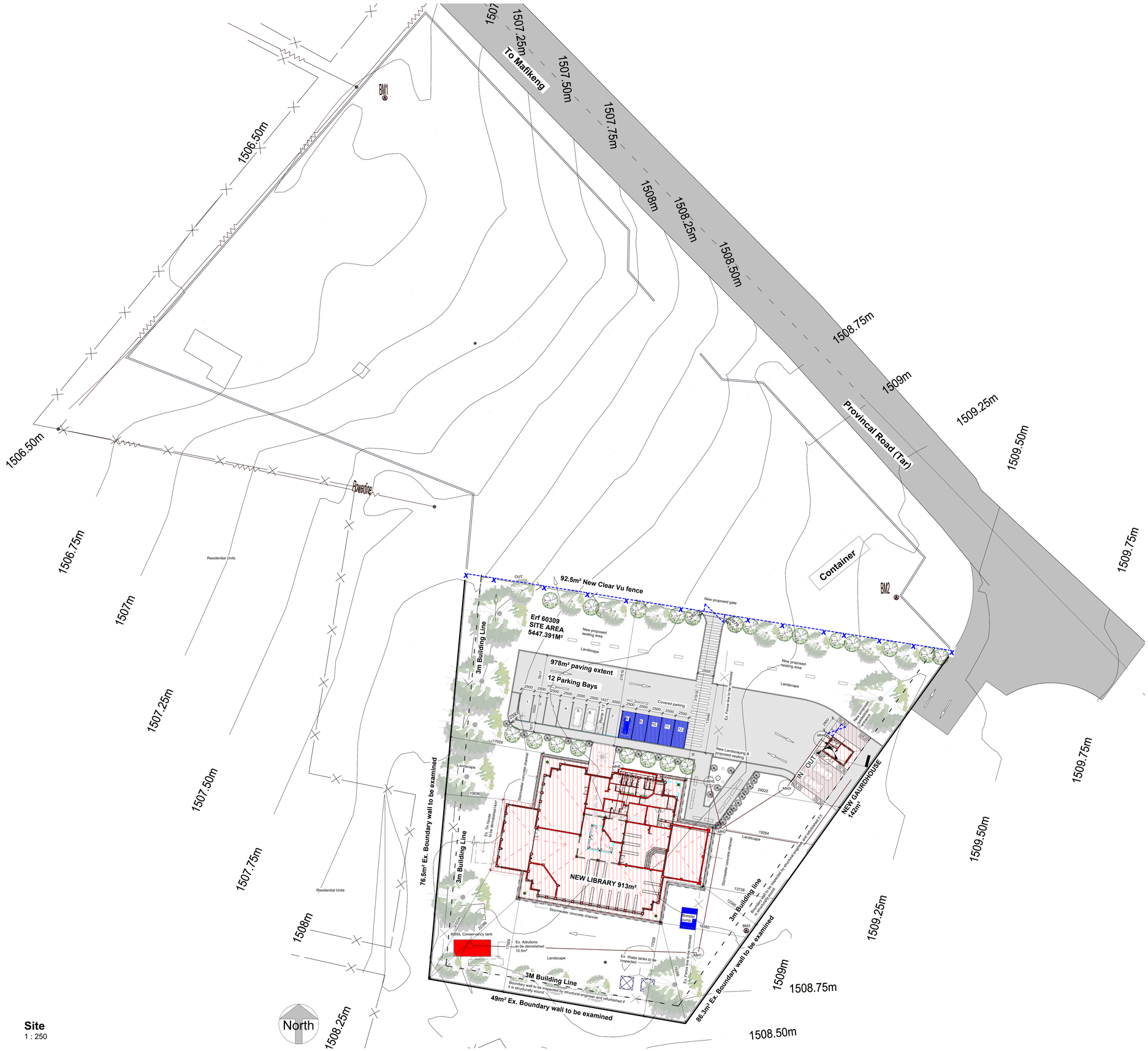
Annexes

List by title

A1. List of cidb accredited SDAs
A2. Baseline training plan
A3. Project interim report
A4. Supervisor and / or mentor details
A5. Project completion report.

ANNEXURE A

ARCHITECTURAL DRAWINGS



Site
1 : 250

GENERAL NOTES:
1. DIMENSIONS TO BE USED IN PREFERENCE TO SCALING.
2. ALL LEVELS & DIMENSIONS TO BE CHECKED PRIOR TO WORK,BEING PUT ON HAND. ANY DISCREPANCIES TO BE REPORTED TO THE ARCHITECT.
3. ALL LEVELS SHOWNS ARE STRUCTURAL LEVELS.
4. ALL STRUCTURAL WORK IS TO BE CHECKED & APPROVED BY THE APPOINTED STRUCTURAL ENGINEER.
5. COPYWRITE OF THIS DRAWING IS ALWAYS TO REMAIN WITH ISAGO ARCHITECTURE CC.
6. THE CONTRACTOR IS TO CHECK ALL SCHEDULES AN DRAWINGS BEFORE PLACING ORDERS.
7. ALL BUILDING WORK AND BUILDING REQUIREMENTS ARE TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL BUILDING REGULATIONS AND BUILDING STANDARDS, SANS10 400 & SANS204.
8. ALL PARTITIONING TO HAVE ADEQUATE FIRE RATING AND RODENT PROOFING.
9. LIGHTING AND VENTILATION TO COMPLY WITH PART "O" OF THE NATIONAL BUILDING REGULATIONS.
10. ALL BALUSTRADES TO BE IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS (I.E. 1000mm HIGH AND BALUSTERS AT MAXIMUM 100mm CENTRE TO CENTRE.
11. ALL SPECIFICATIONS AND WORK TO BE IN ACCORDANCE WITH SABS 0400, SANS10400, SANS 204 & NBR.

DRAINAGE RETICULATION NOTES:
1. ALL PLUMBING TO BE IN ACCORDANCE WITH NATIONAL BUILDING REGULATIONS.
2. ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
3. VENT PIPES TO BE CARRIED UP TO 2m ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITHIN A DISTANCE OF 6m.
4. INSPECTIONS EYES (I.E'S) TO BE PROVIDED AT ALL BENDS AND JUNCTIONS OF SOIL AND WASTE WATE PIPES.
5. RODDING EYES (R.E'S) TO BE PROVIDED AT HEADS OF DRAINS AND AT A MAXIMUM OF 25m SPACING ALONG RUNS OF DRAINS.
6. MARKED COVERS TO BE PROVIDED AT GROUND LEVEL FOR ALL INSPECTION EYES (I.E'S).
7. RESEAL TRAPS TO BE FITTED TO ALL WASTE FITTINGS.
8. SOIL DRAINS UNDER BUILDINGS TO BE PROTECTED FROM ALL VERTICAL SETTLEMENT LOADS WITH RODDING EYES (R.E'S) AS CLOSE AS POSSIBLE TO THE BUILDING AT BOTH ENDS.
9. SOIL WATER PIPES HAVING A VERTICAL DROP EXCEEDING 1200mm TO THE MAIN DRAIN TO BE ANTI-SYPHONED.
10. ALL BRANCH DRAINS EXCEEDING 6m IN LENGTH TO BE VENTED.
11. ALL MATERIALS USED ARE TO BE IN ACCORDANCE WITH THE MANUFACTURER'S TECHNICAL SPECIFICATIONS.

No.	Description	Date	Issued by
0	Issue for Information	2024/01/18	P.N SEDIBE
1	Issue For Information	2024/03/18	P.N SEDIBE
2	Issue For Information	2024/04/30	P.N SEDIBE
3	Issue For Information	2024/06/11	P.N SEDIBE
4	Issue for Information	2024/09/03	P.N SEDIBE
5	Issue for information	2025/03/18	P.N SEDIBE

CLIENT
Name :
Date :
Registration No : N/A
Signature :

IDT
Name :
Date :
Registration No : N/A
Signature :

ARCHITECT
Name :
Date :
Registration No :
Signature :

STRUCTURAL ENGINEER
Name :
Date :
Registration No :
Signature :

Issued For Information

IDT

Bodibe Community Library

26°03'30.7"S 25°51'37.9"E

education
Lefapha la Thuto
Ondersteys Departement
Department of Education
NORTH WEST PROVINCE

idt

Site Plan

Project number	9700
Date	2025/03/18
Drawn by	P.N Sedibe
Revision	5

9700 SITE 100

Scale 1 : 250

isagoarchitecture

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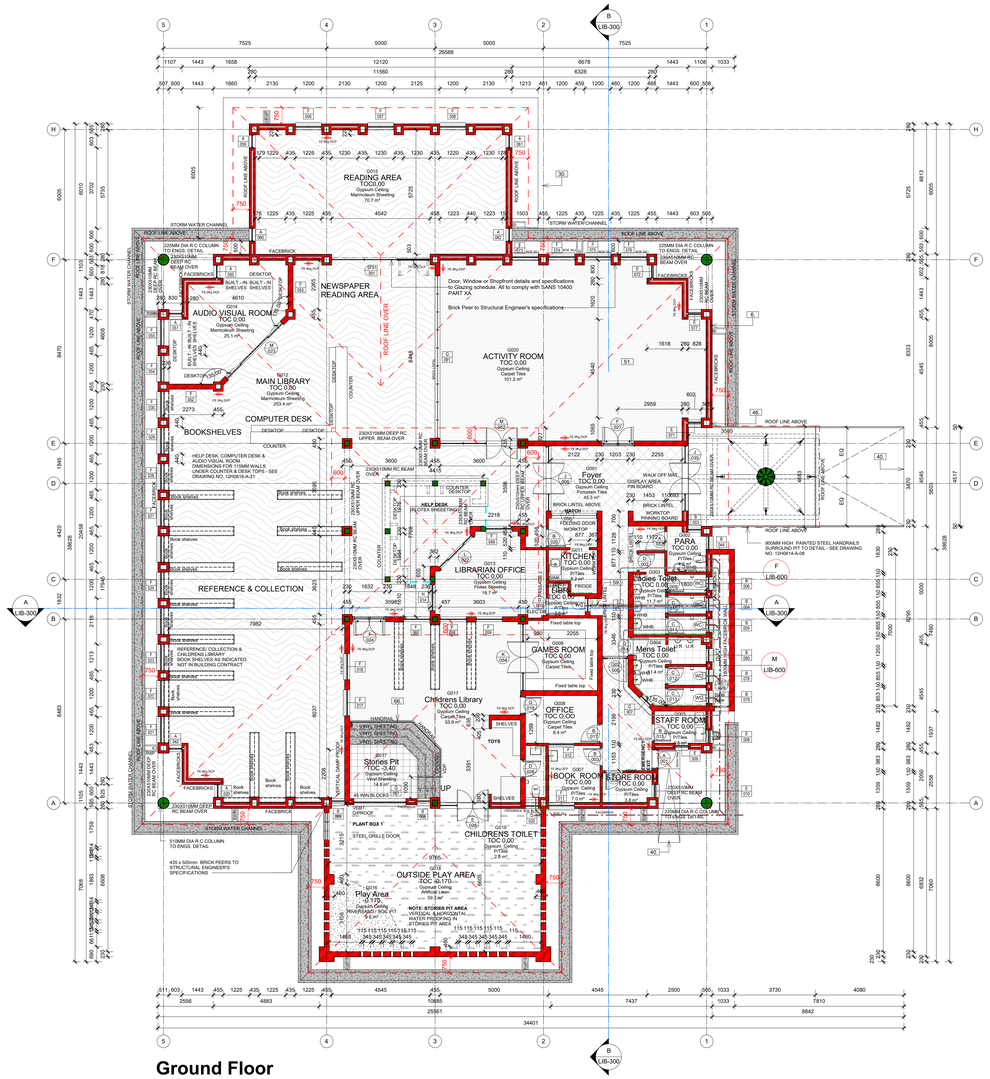
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Tel: 011 663 7911
Fax: 086 552 3381

200 Cumberland Ave
Bryanston
2021

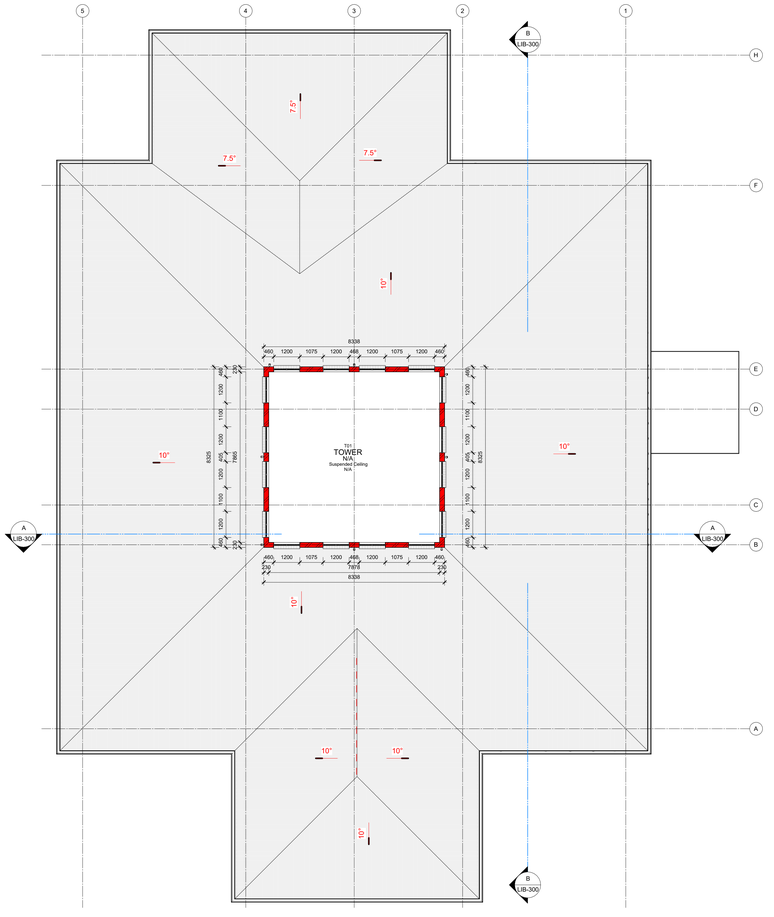
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C:\Users\Lunghile\OneDrive - Isago Architecture\Isago - ISAGO OFFICE\PROJECTS\9700 Bodibe Community Library\2. DESIGN DRAWINGS - REV 01, 02. 03\RVT\Latest\9700 Bodibe Community Library Site_REV04.rvt

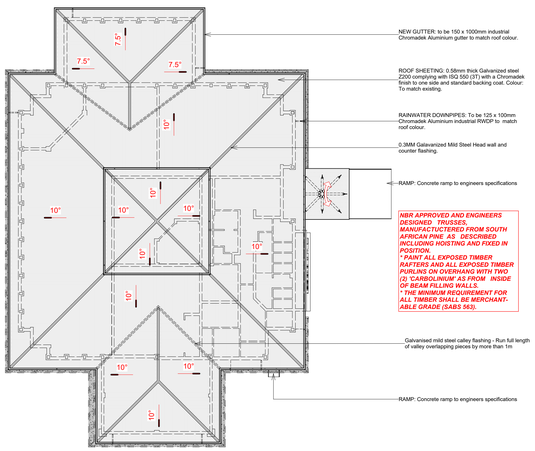


Ground Floor
Scale: 1 : 100

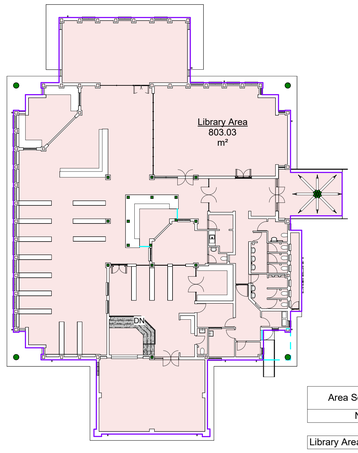
FINISHING SCHEDULE							
ROOM NAME	ROOM NO.	AREA	FLOOR FINISH	SKIRTING	WALL FINISH	CORNICE	CEILING
AUDIO VISUAL ROOM	G014	25 m²	02	51	07, 08 AND 09	52	19
READING AREA	G015	71 m²	02	51	07, 08 AND 09	52	19
ACTIVITY ROOM	G020	101 m²	02	51	07, 08 AND 09	52	19
LIBRARIAN OFFICE	G013	19 m²	02	51	07, 08 AND 09	52	19
OFFICE	G008	8 m²	02	51	07, 08 AND 09	52	19
GAMES ROOM	G009	12 m²	01	51	07, 08 AND 09	52	19
BOOK ROOM	G007	7 m²	02	51	07, 08 AND 09	52	19
STORE ROOM	G006	4 m²	02	51	07, 08 AND 09	52	19
STAFF ROOM	G005	4 m²	02	51	07, 08 AND 09	52	19
MAIN LIBRARY	G012	253 m²	02	51	07, 08 AND 09	52	19
OUTSIDE PLAY AREA	G018	60 m²	01	51	07, 08 AND 09	52	19
LIBR.	G010	2 m²	02	51	07, 08 AND 09	52	19
Childrens Library	G017	54 m²	01	51	07, 08 AND 09	52	19
PARA	G002	4 m²	02	51	07, 08 AND 09	52	19
Stones Pit	G017	15 m²	02	51	07, 08 AND 09	52	19
Play Area	G016	10 m²	01	51	07, 08 AND 09	52	19
KITCHEN	G011	8 m²	02	51	07, 08 AND 09	52	19
CHILDRENS TOILET	G019	3 m²	02	51	07, 08 AND 09	52	19
Ladies Toilet	G003	12 m²	02	51	07, 08 AND 09	52	19
Mens Toilet	G004	11 m²	02	51	07, 08 AND 09	52	19
Foyer	G001	45 m²	02	51	07, 08 AND 09	52	19
DUCT	G021	8 m²	NON	51	07	52	19
TOWER	T01	66 m²	NON	NON	07, 08 AND 09	52	19
HELP DESK	G022	16 m²	02	51	07, 08 AND 09	52	19
GRAND TOTAL		819 m²					



4 UPPER GROUND
Scale: 1 : 100



Roof Plan
Scale: 1 : 200



Area Schedule (Gross Building)	
Name	Area
Library Area	803 m²
	803 m²

Area Plan
Scale: 1 : 200

Keynote Legend	
Key Value	Keynote Text
2.	NEW FLOOR FINISH:(LIBRARY & OFFICE) Vinyl Tile (Lunar Shell) 2mx20m Product Code: 5772
6.	FACE BRICK WALLS (EXTERNAL): In stretcher bond with all joints and perpends to be 6mm square deep recessed. Face brick specification to Architect's Specification.
7.	INTERNAL WALLS: Internal walls to be finished with 1 coat 15mm cement plaster and primed with 1 coat Plascon Plaster primer. Plastered and Painted Bathrooms to be painted with 2 coats Plascon Colour: VLO 10 Tequila.
11.	EXTERNAL WALLS: External walls to be finished with 1 coat 15mm cement plaster and primed with 1 coat Plascon Plaster primer. Plastered and Painted Living Room to be painted with 2 coats Plascon Colour: Cedarburg 04-A1-1
14.	NEW TOILET PAPER HOLDER: Vega Chrome Paper Holder
16.	NEW WC: NEW Vaal Hibiscus Elite Vandal Proof Close Couple Cistern (code 772404) complete with front push button, lid & fitments.
17.	NEW WHB: Vaal Azalea Semi-Recessed Basin 540x450mm
18.	NEW STEEL CEILING TRAP DOORS: As shown on electrical layout
19.	NEW CEILING: 6mm Gypsum plasterboard primed & painted to Architect's spec. on 38mmx38mm ceiling brandering, framework by ceiling subcontractor. Ceiling finish: Primed & Painted with Plascon Wall & All Colour: White WAA1. 50mm Fibre Cement Cornice, painted with Plascon Wall & All Colour: White WAA1
21.	ROOF FASCIA BOARDS: to be fibre cement board painted with Plascon Velveglo Colour: Battleship Grey G13.
22.	ROOF SHEETING: 0.58mm thick Galvanized steel Z200 complying with ISO 550 (3T) with a Chromadek finish to one side and standard backing coat. Colour: To match existing.
24.	FABRICATED ROOF TRUSS: to be made up of treated SA Pine of grade 4 spaced at max. 750mm centres to rest on 38mmx114mm wallplate. Design, supply & installation by approved subcontractor to Engineer's spec., design & approval.
25.	PURLINS: to be made up of treated SA Pine of grade 4 spaced at max. 1500mm centres to rest on roof trusses and attach to roof sheeting to Engineer's Spec, Design & Approval.
28.	NEW GUTTER: to be 150 x 1000mm industrial Chromadek Aluminium gutter to match roof colour.
29.	RAINWATER DOWNPIPES: To be 125 x 100mm Chromadek Aluminium industrial RWDP to match roof colour.
30.	CONCRETE DRAINAGE APRON: To be 1200mm wide to Engineer's design, specification and approval.
32.	WINDOW CILLS (INTERNAL): (INTERNAL): 12mm THICK Plastered sill Brick On End and Painted to match Wall Colour, built in soldier course flush with dado wall. All joints to be flush half round painted joints. Refer to Detail.
34.	BRICK-ON-EDGE LINTEL: Brick on Edge Lintels to be supported by Steel Equal Leg Angle to Engineers Details & Specifications. Steel Angle Weatherdrip, to be welded to equal leg steel angle.
35.	CONCRETE LINTEL: Prestressed concrete lintels with both ends minimum 115mm beyond opening.Installed according to manufacturers specification.
37.	NEW INTERNAL DOORS: As per door schedule. Steel door frames with Semi Solid wood doors or equal and approved to Architect's spec. Door Frame Finish: Primed & Painted on steel with Plascon Velveglo Colour: Battleship Grey G13. Door Finish: Primed & Painted with Plascon Velveglo Colour: Tequila VLO 10. Refer to Door & Window Schedule.
39.	CONCRETE SLAB: Minimum 75mm Cast on 250 micron polythene damp proof membrane (as per clause 7.2 of specification DDG-001E), all side overlaps sealed with approved contact adhesive on 50mm sand on approved filling, 15MPA.
40.	RAMP: Concrete ramp to engineers specifications
41.	FOUNDATION: 800mmx300mm minimum concrete foundation as per engineers specification , design & approval.
42.	INSULATION TO CONCRETE SLAB: 500mm edge of concrete slab to be insulated with 40mm XPS polystyrene board. 500mm under slab edge and 500mm in wall cavity to detail
43.	COMPACTED FILL: minimum 3 layers fill compacted to Engineers specifications. Lay 50mm sand blinding before laying concrete pavers.
46.	RC COLUMNS: Reinforced Concrete column to structural engineers details and specifications.
50.	RC BEAM: 450mm x 280mm R.C column as per structural engineers drawing.
51.	SKIRTING: Solid Hardwood (19 x 76mm) with 19mm quarter round nailed to wall. All nails to be punched and filled. Finish with 2 coats clear eggshell polyurethane varnish.
53.	1200 x 600mm Suspended ceiling system as per ceiling layout and schedule of finishes
54.	0.3MM Galavanized Mild Steel Head wall and counter flashing.
55.	Brick Peer to Structural Engineer's specifications
56.	Reinforced Concrete Beam to Structural Engineer's Details and specifications
57.	Joinery to Joinery schedule
58.	Door, Window or Shopfront details and specifications to Glazing schedule. All to comply with SANS 10400 PART XA
59.	Drainage line under building to be encased in concrete. Where any portion of a pipe passes through a wall, such portion should be installed inside a sleeve of internal diameter of at least 15 mm plus the outside nominal diameter of such portion
61.	600mm Precast concrete Stop End rain water shoe or similar approved to Architect's selection/approval
62.	Galvanised mild steel calley flashing - Run full length of valley overlapping pieces by more than 1m
65.	Steel structural support's details and specifications
66.	900mm high painted steel balustrade with max 150mm balustars spaced evenly, detail to follow
71.	HAND DRYER: Ticra Steel hand dryer, energy saving. Code: S0013594

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No.	Description	Date	Issued by
0	Issue For Information	18/03/2025	P.N SEDIBE

CLIENT
Name :
Date :
Registration No : N/A
Signature :

IDT
Name :
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ARCHITECT
Name :
Date :
Registration No :
Signature :

STRUCTURAL ENGINEER
Name :
Date :
Registration No :
Signature :

Issue For Information

IDT

Bodibe Public Library

Bodibe Village

FLOOR PLANS

Project number	9700
Date	2025/03/18
Drawn by	P.N SEDIBE
Revision	0

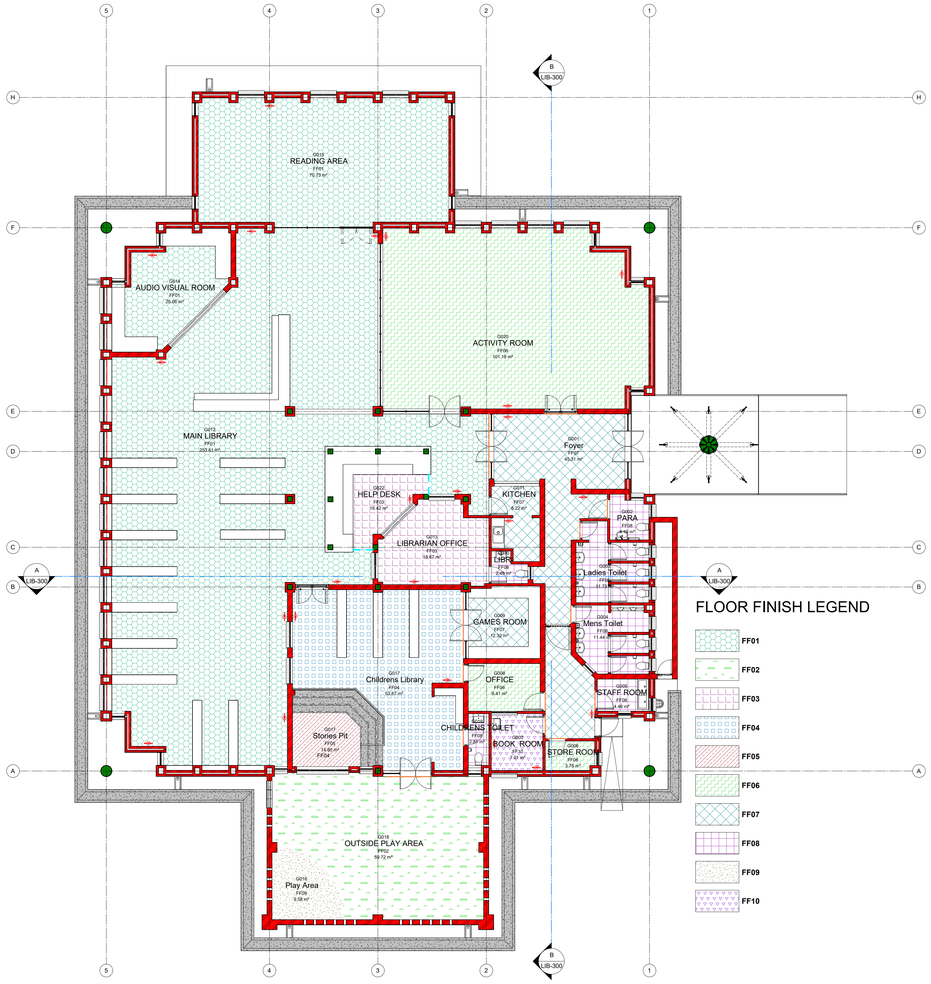
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Scale: As indicated

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IMPORTANT NOTE : MARMOLEUM FLOOR SHEETING.

FLOOR PROTECTION DURING BUILDING WORKS.

AFTER THE FLOOR FINISH AS SPECIFIED HAS BEEN INSTALLED,THE FLOORS MUST BE COVERED WITH "M A S O N I T E" BOARD ALTERNATIVE "S T U R D Y" BOARDS (THAT WILL PROTECT THE FLOOR FROM OBJECTS BEING PULLED ACROSS, FALLING ONTO AND CAUSING ANY DAMAGE TO THE FLOOR) WHILE OTHER BUILDING WORKS ARE TAKING PLACE. THIS WILL ENSURE THAT THE SUB- CONTRACTORS DO NOT DAMAGE THE NEWLY INSTALLED FLOOR WHILE PERFORMING THEIR RESPECTIVE DUTIES ONSITE. ONLY AFTER ALL BUILDING WORKS HAVE BEEN COMPLETED AND THE SPACE IS READY TO BE OCCUPIED.

***** THE FLOOR SUPPLIER, INSTALLER AS WELL AS THE ARCHITECT WILL TAKE NO RESPONSIBILITY WHATSOEVER SHOULD DAMAGE BE INFLICTED UPON THE FINISHED FLOOR AFTER INSTALLATION DUE TO THE PRESENCE OF OTHER SUBCONTRACTORS ONSITE.***

FLOOR FINISH SPECIFICATION

FLOOR CODE	SPECIFICATION
FF01	Supply and fix 2,5mm thick x 2m wide 'floorworx - marmoleum' sustainable linoleum floor sheeting maufactured by 'forbo flooring systems', laid in 'floorworx no. 71 or uzin ke 42 acrylic adhesive on the exposed sound, smooth, even, dry and clean prepared cement screed layer with self-smoothing and levelling compound layer, with a trowel having triangular notches of 2,1x2,7x2,3mm at 3mm centres at the rate 3,00sq.m per litre on previously prepared sub-floor, including all cutting and waste. All marmoleum flooring to be laid on 'uzin pe 360' dis- persion primer and 5mm thick 'uzin- nc 170' self-smoothing and levelling compound. All joints to be butt grooved and heat welded with 'marmo- weld' (to match floor sheeting as per 'floorworx' specifi- tions), ensuring that the marmoweld bonds to more than 70% of the sheet thickness. It is essential that during the course of installion the material to be rolled in both directions with an arb- culated 68kg three-sectionalmetal floor roller. All work to be done by specialists in strict accordance with manufacturers specifications and architect approval. Colour : 'withered prairie'. Total thickness = 30mm.
FF02	Material Solta or similar approved Artificial lawn by Architect
FF03	Supply and fix 4,3mm thick x 30m x 2,00mm wide 'floorworx - flotex' hard wearing, durable resilant floor sheeting, butting the factory edges for seaming, spread 'floorworx no 60 plus acrylic adhesive on the exposed sound, smooth, even, dry and clean prepared cement screed layer with self-smoothing and levelling compound layer substrate with a trowel having triangular notches 1,78x1,78x1,6mm at 3mm centres at the rate of between 5,5sq m to 6,5sq m per litre depending on sub-floor porosity, in colour pattern design to detail floor layout plan - see drawing no. 12h0614-a-21. All flotex flooring to be laid on 'uzin pe 360' dispen- sion primer and 5mm thick 'uzin- nc 170' self-smoothing and levelling compound. All work to be done by specialists in strict accordance with manufacturers specifications and architect approval. Colour : fcb368191 - 'anthracite'. Total thickness = 30mm.
FF04	Supply and fix 4,3mm thick x 30m x 2,00mm wide 'floorworx - flotex' hard wearing, durable resilant floor sheeting, butting the factory edges for seaming, spread 'floorworx no 60 plus acrylic adhesive on the exposed sound, smooth, even, dry and clean prepared cement screed layer with self-smoothing and levelling compound layer substrate with a trowel having triangular notches 1,78x1,78x1,6mm at 3mm centres at the rate of between 5,5sq m to 6,5sq m per litre depending on sub-floor porosity, in colour pattern design to detail floor layout plan - see drawing no. 12h0614-a-21. All flotex flooring to be laid on 'uzin pe 360' dispersion primer and 5mm thick 'uzin- nc 170' self-smoothing and levelling compound. All work to be done by specialists in strict accordance with manufacturers specifications and architect approval. Colour : fcb368172 - 'petrol'. Total thickness = 30mm.
FF05	Supply and fix 4,3mm thick x 30m x 2,00mm wide 'floorworx - flotex' hard wearing, durable resilant floor sheeting, butting the factory edges for seaming, spread 'floorworx NO. 60 plus acrylic adhesive on the exposed sound, smooth, even, dry and clean prepared cement screed layer with self-smoothing and levelling compound layer substrate with a trowel having triangular notches 1,78x1,78x1,6mm at 3mm centres at the rate of between 5,5sq m to 6,5sq m per litre depending on sub-floor porosity, in colour pattern design to detail floor layout plan - see drawing no. 12h0614-a-0x. All flotex flooring to be laid on 'uzin pe 360' dispen- sion primer and 5mm thick 'uzin- nc 170' self-smoothing and levelling compound. All work to be done by specialists in strict accordance with manufacturers specifications and architect approval. Colour : fcb368172 - 'petrol'. Total thickness = 30mm.
FF06	500x500mm Belgatex commercial nexus berger point 920' carpet tiles laid in accordance with the saba 0186-1990 fitting code of practice on properly cleaned cement screed. All work to be done by specialists in strict accordance with manufacturer's specifications and architect's approval. Colour : natural beige. Total thickness = 30mm.
FF07	300x300x8,5mm Thick 'ctm' ceramic floor tiles, bedded into tile adhesive for ceramic tiles (as approved and applied with adhesive by supplier/manufacturers), in 45Â° pattern, on sound, clean and prepared cement screed with 8mm maximum wide flush grout jointing and soft jointings every 6.0sq meter. All work to be done by specialists in strict accordance with manufacturers specifications and architect's approval. Colour : 'ctm - kilimanjaro : timbavati mirace' (or other approved). (note : anti slip tiles to outsides) in patern. Total thickness = 30mm.
FF08	350x350x8,5mm Thick 'ctm' ceramic floor tiles, bedded into tile adhesive for ceramic tiles (as approved and applied with adhesive by supplier/manufacturers), in 90Â° pattern, on sound, clean and prepared cement screed with 8mm maximum wide flush grout jointing and soft jointings every 6.0sq meter. All work to be done by specialists in strict accordance with manufacturers specifications and architect's approval. Colour : 'ctm - kilimanjaro : timbavati mirace' (or other approved). Total thickness = 30mm.
FF09	Riversand soil
FF10	Tinted granolithic floor finish laid on unmatured concrete surface bed composed of 2 parts granite (or other approved hard stone) chippings to a maximum size of 5mm; one half part of sand and 1 part portland cement, and shall be laid in panels not exeeding 6.osq m in area and then provided with 6x15mm deep cut joints filled with 'polysulphide' sealant (where applicable) and entire area steel-trowelled to a smooth surface. Colour : yellow. Total thickness = 30mm.

1 Ground Floor - Floor finish

Scale: 1 : 100

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CLIENT

Name :

Date :

Registration No : N/A

Signature :

IDT

Name :

Date :

Registration No : N/A

Signature :

ARCHITECT

Name :

Date :

Registration No :

Signature :

STRUCTURAL ENGINEER

Name :

Date :

Registration No :

Signature :

Issue For Information

IDT

Bodibe Public Library

Bodibe Village

FLOOR FINISH LAYOUT

Project number	9700
Date	2025/03/18
Drawn by	Author
Revision	

9700- LIB-201

Scale 1 : 100

isagoarchitecture

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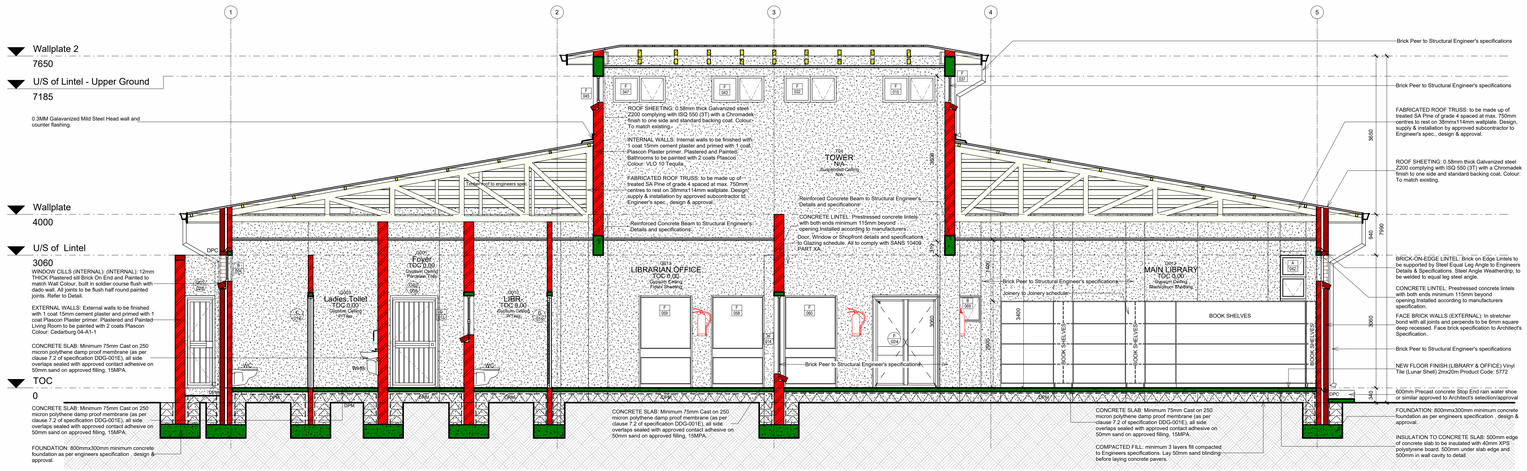
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Mobile: 083 565 1641

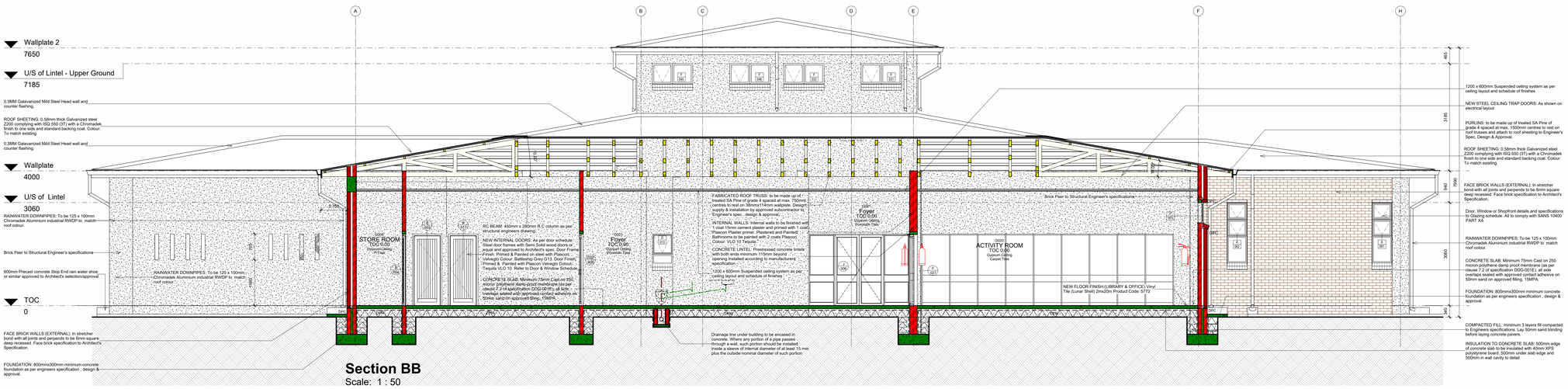
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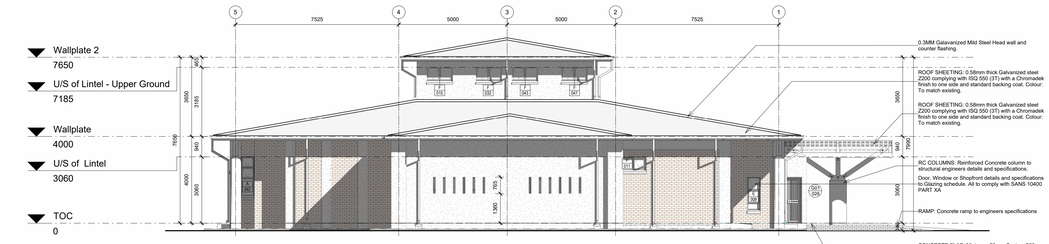
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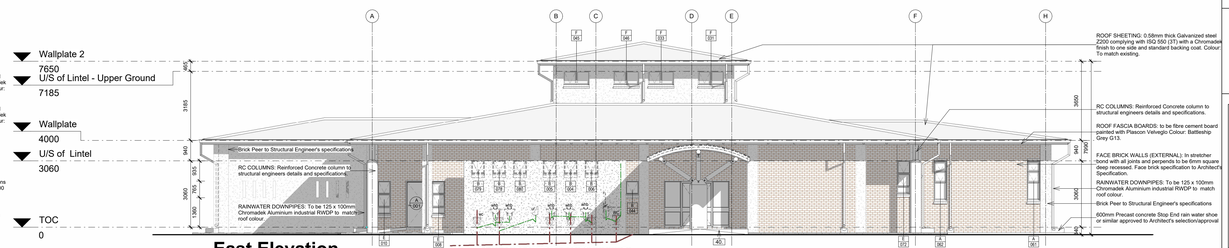
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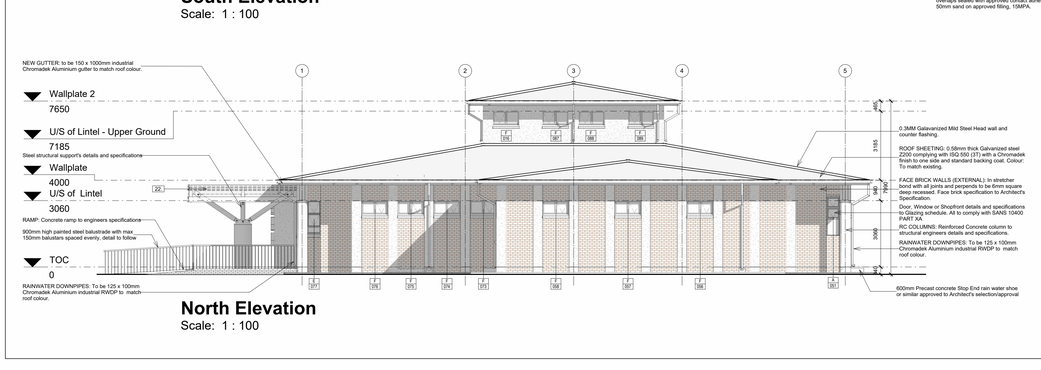
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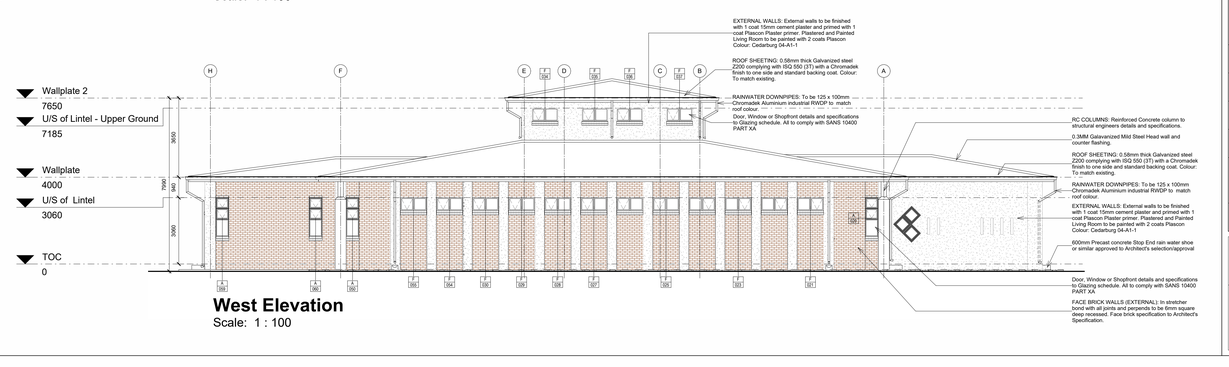
South Elevation
Scale: 1 : 100



East Elevation
Scale: 1 : 100



North Elevation
Scale: 1 : 100



West Elevation
Scale: 1 : 100

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ARCHITECT
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Date :
Registration No :
Signature :

STRUCTURAL ENGINEER
Name :
Date :
Registration No :
Signature :

Issue For Information

IDT
Bodibe Public Library
Bodibe Village

SECTIONS AND ELEVATIONS

Project number	9700
Date	2025/03/18
Drawn by	TD
Revision	0

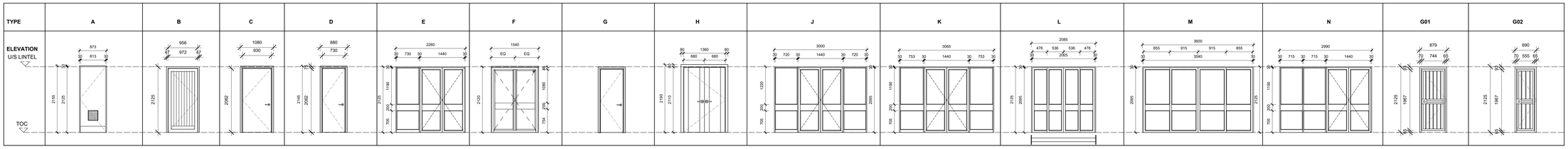
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Scale: As indicated

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2021

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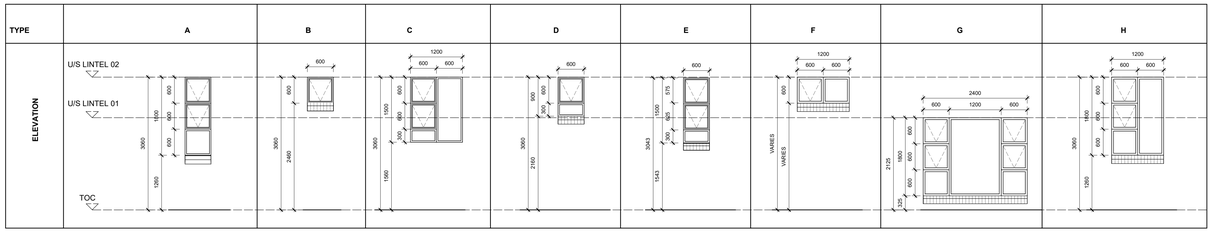
C:\Users\Lunghile\OneDrive - Isago Architecture\Isago - ISAGO OFFICE\PROJECTS\9700 Bodibe Community Library\2. DESIGN DRAWINGS - REV 01, 02, 03\REVIT\Latest\9700 Bodibe Community Library REV0.rvt



Door Schedule									
DOOR TYPE	QUANTITY	Family and Type	Width	Height	Head Height	From Room: Name	Frame Finish.	Door Finish.	Ironmongery.
A	2	<varies>	<varies>	<varies>	<varies>	<varies>			<varies>
B	5	Swartland Winsters Single PD1: 813w X 2032h	813	2092	2092	<varies>			To be Brushed Aluminium to Architects Spec
C	5	Doors_IntSgl: 762x2110mm 2	813	2110	2110	<varies>			To be Brushed Aluminium to Architects Spec
D	4	Swartland Winsters Single PD1: 762w X 2032h 2	762	2092	2092	<varies>			To be Brushed Aluminium to Architects Spec
E	1	Door with SidePane: 2260x2125mm	2260	2125	2125	Childrens Library			To be Brushed Aluminium to Architects Spec
F	2	ND Kvillsfors Inward opening Double Balcony door Paneled: ND Kvillsfors Inward opening Double Balcony door Paneled	1500	2100	2100	<varies>			To be Brushed Aluminium to Architects Spec
G	1	Doors_IntSgl: 813x2092mm	813	2092	2092	Childrens Library			To be Brushed Aluminium to Architects Spec
G01	1	Horizontal Single Gate 813mm-90deg: 600x 2093	690	2092	2092		Square Steel Sections primed with 1coat Plascon Metalcare Metal WB Primer & Painted with 2 coats Plascon Universal Enamel Coulour: Battleship Gery	Primed with Plascon Metalcare Primer & Painted with 2 Coats Plascon Uiversal Enamel Colour: Battleship Grey G13	To be Brushed Aluminium to Architects Spec
G02	1	Horizontal Single Gate 813mm-90deg: 1100 x 2093	1100	2092	2092	Foyer	Square Steel Sections primed with 1coat Plascon Metalcare Metal WB Primer & Painted with 2 coats Plascon Universal Enamel Coulour: Battleship Gery	Primed with Plascon Metalcare Primer & Painted with 2 Coats Plascon Uiversal Enamel Colour: Battleship Grey G13	To be Brushed Aluminium to Architects Spec
H	1	Door-Accordion-Woodfold-Series_220: 2125 x 685mm	2125	691	2125	Foyer			
J	2	Alu_Wt_Side_Panels: 3000x2125mm	3000	2125	2125	Foyer			<varies>
K	1	Alu_Wt_Side_Panels: 3065x2125mm	3065	2125	2125	GAMES ROOM			
L	1	SlidingWTPanelsx2: 2085 x 2125mm	2085	2125	2075	HELP DESK			To be Brushed Aluminium to Architects Spec
M	2	<varies>	<varies>	2125	<varies>	<varies>			<varies>
SF	1	Door-Curtain_Wall_Aluk_58BD_Double_Hinge: 58BD_Double_Open Out_LowThreshold	1463	2185		MAIN LIBRARY			To be Brushed Aluminium to Architects Spec

Door Legend

Scale: 1 : 50



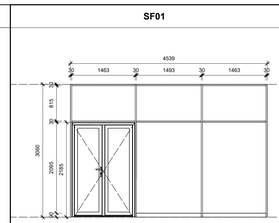
Window Schedule										
Type Mark	Quantity	Family	Width	Height	Sill Height	Head Height	Frame Finish	From Room: Name	Glazing.	Ironmongery.	Burglar Bars.
A	8	PT C	600	1800	<varies>	<varies>	1 coat Plasson Steel Primer 1 Coat Plascon Super Universal Enamel Paint Colour: Battleship Grey G13		4mm Clear Glass to SABS 10400 approval & specifications. Steel Window Putty to be used	Standard Brass as per Manufacturer's Spec.	Factory Fitted
B	10	Casement 340 6T6 + cill	600	600	<varies>	<varies>	1 coat Plasson Steel Primer 1 Coat Plascon Super Universal Enamel Paint Colour: Battleship Grey G13	<varies>	4mm Clear Glass to SABS 10400 approval & specifications. Steel Window Putty to be used	Standard Brass as per Manufacturer's Spec.	Factory Fitted
D	3	Casement 340 6T9 + cill	600	900	<varies>	<varies>	1 coat Plasson Steel Primer 1 Coat Plascon Super Universal Enamel Paint Colour: Battleship Grey G13	<varies>	4mm Clear Glass to SABS 10400 approval & specifications. Steel Window Putty to be used	Standard Brass as per Manufacturer's Spec.	Factory Fitted
E	6	Casement 340 6T15 + cill	600	1500	<varies>	<varies>	1 coat Plasson Steel Primer 1 Coat Plascon Super Universal Enamel Paint Colour: Battleship Grey G13		4mm Clear Glass to SABS 10400 approval & specifications. Steel Window Putty to be used	Standard Brass as per Manufacturer's Spec.	Factory Fitted
F	45	<varies>	<varies>	<varies>	<varies>	<varies>	<varies>	<varies>	<varies>	<varies>	<varies>
G	1	Kal-Aluminium 2400w X 1800h DDT	2400	1800	325	2125	1 coat Plasson Steel Primer 1 Coat Plascon Super Universal Enamel Paint Colour: Battleship Grey G13	OUTSIDE PLAY AREA	4mm Clear Glass to SABS 10400 approval & specifications. Steel Window Putty to be used	Standard Brass as per Manufacturer's Spec.	Factory Fitted
H	1	Kal-Aluminium 1200w X 1800h	1200	1800	325	2125	1 coat Plasson Steel Primer 1 Coat Plascon Super Universal Enamel Paint Colour: Battleship Grey G13	LIBRARIAN OFFICE	4mm Clear Glass to SABS 10400 approval & specifications. Steel Window Putty to be used	Standard Brass as per Manufacturer's Spec.	Factory Fitted
M	3	WB45Deg	590	590	<varies>	<varies>					
Q	1	Multiple_Panels	7500	2125	0	2125		MAIN LIBRARY			

Window Legend

Scale: 1 : 50

SINK	SINK TAP
	
drop-in one piece pressed sink in Formica Counter 0.9mm stainless steel, with tiled splash back, tiling key, tap hole, mild steel gallow brackets & legs with soft black rubber P-trap. Provide one chromium plated basin pillar tap and mixer per sink. Specification: Franke Trendline 1000mm Inset.	Cobra Medical Pillar Tap (Code: 504-218) Hot & Cold Only
Room Name and N0#	**Room Name and N0#**
KITCHEN - G011	KITCHEN - G011
Grand total: 1	Grand total: 1

TYPE	TOILET ROLL HOLDER	WHB	URINAL	WC - PARAPLEGIC	WC	SOAP DISPENSER	HAND DRYER
AS VIEWED FROM OUTSIDE							
SPECIFICATION	Stainless Steel Toilet Roll Holder. Specification: Sanitech Sanicare Toilet Roll Holder - Holds 3 rolls (stainless steel) to be fitted to each WC.	White C.I. porcelain wall hung enamelled wash hand basin, 31mm chromium plated outlet, with plug and chain, anchor & 32mm back nut complete with and including two chromium plated pillar tap, one tap hole plug.	610X385mm White vitreous China wash down wall urinal with wall hangers, strainer waste, top inlet spreader and chrome platted flush pipes. 4SI cistern with back inlet and PC push button. Specification: Vaal Sanitaryware Lavatera TI Wall Hung Urinal (code: VAA-705426WH). White. Notes- Wall Hung urinal with top inlet, supplied with a 38mm chrome plated domical grating, a spreader (with a 20mm diameter thread), including flush pipe and two hanger brackets. Size: 385mmX386mmX600mm.	Vaal Sanitaryware Orchid Wall Hung toilet (Code: VAA-43901WH) with Vaal Sanitaryware Buxton Sta-Tite Seat (code: VAA-851SZ100). White. Size: 583mmX355mm. Notes- Orchid back inlet 90° wall hung open rim pan, with a 6 litre cistern complete with lid, fitments, extended handle flush valve, chrome (code: CQB-C-FMB-80). includes 1 Rear grab rail. White C.I. porcelain wall hung enamelled disabled wash hand basin, 31mm chromium plated outlet, with plug and chain, anchor & 32mm back nut complete with and including two chromium plated pillar tap, one tap hole plug and provide black soft rubber p-trap.	WC: Vaal Sanitaryware Hibiscus Elite Close-Coupled toilet suite (code: VAA-772404WH). White. Notes- Vitreous china vandal proof close-coupled toilet suite complete with pan, front push button, lid & fitments. Size: 643mmX355mmX830mm	Golden Touch Soap Dispenser Lockable 1200ml – Stainless Steel	Tcra Sstee| hand dryer, energy saving. Code: S0013594
Room Name and N0#	**Room Name and N0#**	**Room Name and N0#**	**Room Name and N0#**	**Room Name and N0#**	**Room Name and N0#**	**Room Name and N0#**
Ladies Toilet - G003		Mens Toilet - G004	Grand total: 1	LIBR - G010		
Ladies Toilet - G003		Grand total: 2		Ladies Toilet - G003		
Ladies Toilet - G003				Ladies Toilet - G003		
Mens Toilet - G004				Mens Toilet - G004		
Mens Toilet - G004				Mens Toilet - G004		
CHILDRENS TOILET - G019				CHILDRENS TOILET - G019		
Grand total: 6				Ladies Toilet - G003		
				Grand total: 7		

TYPE	SF01	SF02	SF03
AS VIEWED FROM OUTSIDE			
FRAME	90 x 30mm Natural Annodized aluminium mullions as per architects illustration or similar approved	90 x 30mm Natural Annodized aluminium mullions as per architects illustration or similar approved	90 x 30mm Natural Annodized aluminium mullions as per architects illustration or similar approved
OPENING	Design to Manufacturer as per Architect's approval. Iron mormgery to manufacture's selection	NONE	Design to Manufacturer as per Architect's approval. Iron mormgery to manufacture's selection
GLAZING	Colorvue Serene Green, 6.38mm thick Safety Glass. All to be in compliance with AAAMSA's selection guide for safety glazing materials.	Colorvue Serene Green, 6.38mm thick Safety Glass. All to be in compliance with AAAMSA's selection guide for safety glazing materials.	Colorvue Serene Green, 6.38mm thick Safety Glass. All to be in compliance with AAAMSA's selection guide for safety glazing materials.
	Type Mark-Mark	Type Mark-Mark	Type Mark-Mark
	SF01-001		
	QUANTITY: 1		

NB: GLAZING PANELS TO BE 8mm THICK SAFETY GLASS AND TO COMPLY WITH PER SANS 10400: PART N

GENERAL NOTES:
1. DIMENSIONS TO BE USED IN PREFERENCE TO SCALING.
2. ALL LEVELS & DIMENSIONS TO BE CHECKED PRIOR TO WORK BEING PUT ION HAND. ANY DISCREPANCIES TO BE REPORTED TO THE ARCHITECT.
3. ALL LEVELS SHOWNS ARE STRUCTURAL LEVELS.
4. ALL STRUCTURAL WORK IS TO BE CHECKED & APPROVED BY THE APPOINTED STRUCTURAL ENGINEER.
5. COPYWRITE OF THIS DRAWING IS ALWAYS TO REMAIN WITH ISAGO ARCHITECTURE CC.
6. THE CONTRACTOR IS TO CHECK ALL SCHEDULES AN DRAWINGS BEFORE PLACING ORDERS.
7. ALL BUILDING WORK AND BUILDING REQUIREMENTS ARE TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL BUILDING REGULATIONS AND BUILDING STANDARDS, SANS10 400 & SANS204.
8. ALL PARTITIONING TO HAVE ADEQUATE FIRE RATING AND RODENT PROOFING.
9. LIGHTING AND VENTILATION TO COMPLY WITH PART "O" OF THE NATIONAL BUILDING REGULATIONS.
10. ALL BALUSTRADES TO BE IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS (I.E. 1000mm HIGH AND BALUSTERS AT MAXIMUM 100mm CENTRE TO CENTRE.
11. ALL SPECIFICATIONS AND WORK TO BE IN ACCORDANCE WITH SABS 0400, SANS10400, SANS 204 & NBR.

DRAINAGE RETICULATION NOTES:
1. ALL PLUMBING TO BE IN ACCORDANCE WITH NATIONAL BUILDING REGULATIONS.
2. ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
3. VENT PIPES TO BE CARRIED UP TO 2m ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITHIN A DISTANCE OF 6m.
4. INSPECTIONS EYES (I.E'S) TO BE PROVIDED AT ALL BENDS AND JUNCTIONS OF SOIL AND WASTE WATE PIPES.
5. RODDING EYES (R.E'S) TO BE PROVIDED AT HEADS OF DRAINS AND AT A MAXIMUM OF 25m SPACING ALONG RUNS OF DRAINS.
6. MARKED COVERS TO BE PROVIDED AT GROUND LEVEL FOR ALL INSPECTION EYES (I.E'S).
7. RESEAL TRAPS TO BE FITTED TO ALL WASTE FITTINGS.
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9. SOIL WATER PIPES HAVING A VERTICAL DROP EXCEEDING 1200mm TO THE MAIN DRAIN TO BE ANTI-SYPHONED.
10. ALL BRANCH DRAINS EXCEEDING 6m IN LENGTH TO BE VENTED.
11. ALL MATERIALS USED ARE TO BE IN ACCORDANCE WITH THE MANUFACTURER'S TECHNICAL SPECIFICATIONS.

No.	Description	Date	Issued by

ROOM INSPECTION LEGEND:
(Please use the following symbols during inspection)

GOOD

AVERAGE

BELOW STANDARD

REPLACE

Issue For Information

IDT

Bodibe Public Library

Bodibe Village

dpwr Department: Public Works and Roads North West Provincial Government Republic of South Africa

social development Department: Social Development North West Provincial Government REPUBLIC OF SOUTH AFRICA

DOOR, WINDOW AND SANITARY SCHEDULE

Project number	9700
Date	2025/03/18
Drawn by	TD
Revision	

9700. LIB-500

Scale 1 : 50

isagoarchitecture

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Fax: 086 669 5395

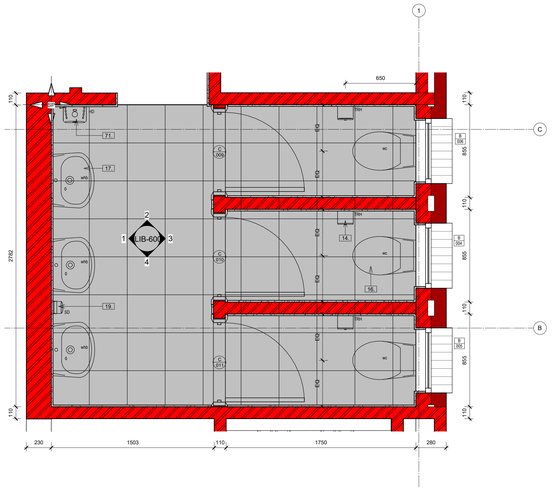
JOHANNESBURG
Contact Person: Natalie Gentiffe
Email: natalie@isago.co.za
Mobile: 083 565 1641

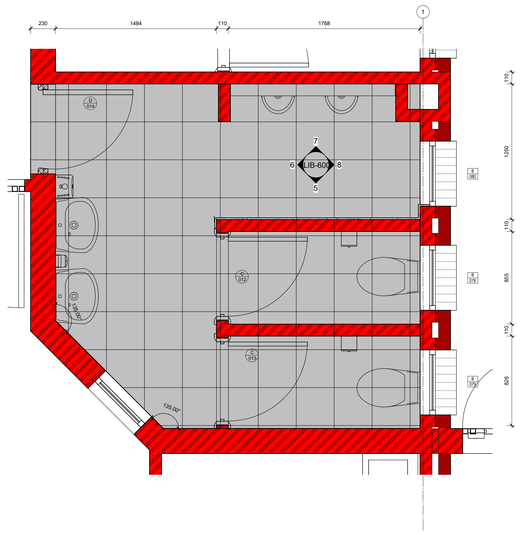
Tel: 011 463 7911
Fax: 086 552 3381

200 Cumberland Ave
Bryanston
2021

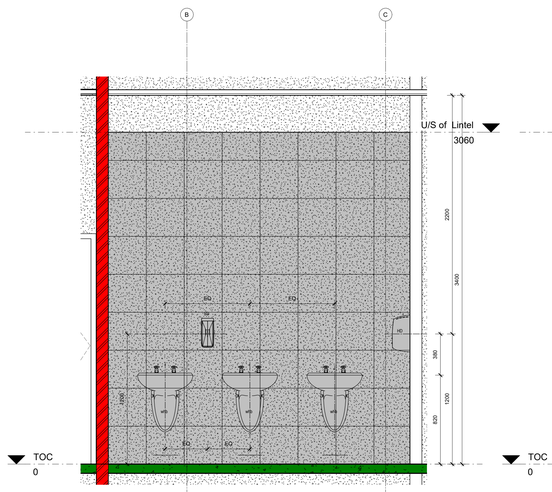
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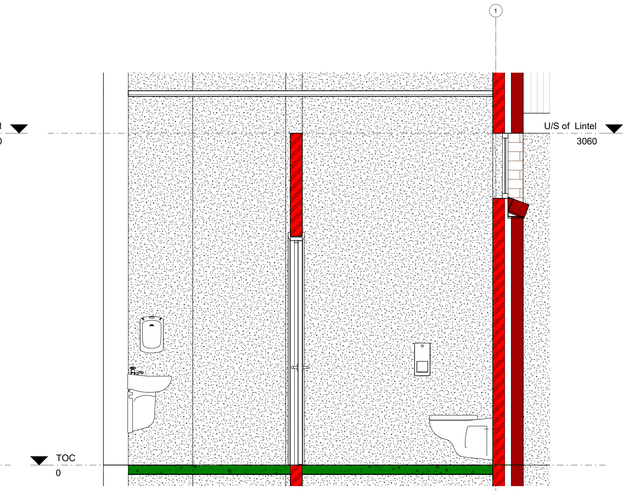


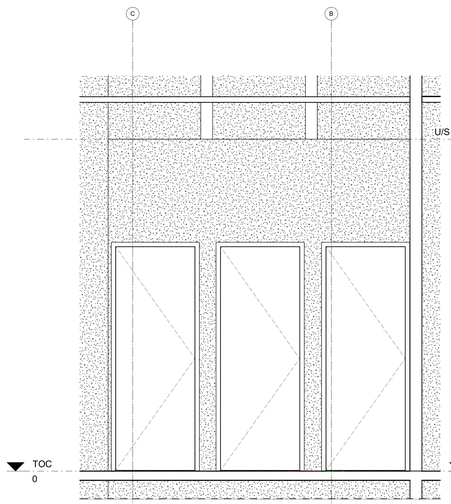


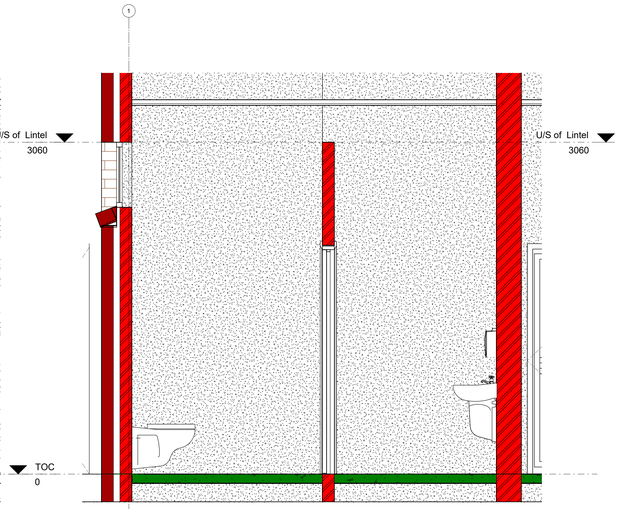
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M Ground Floor - Callout 2
Scale: 1 : 20





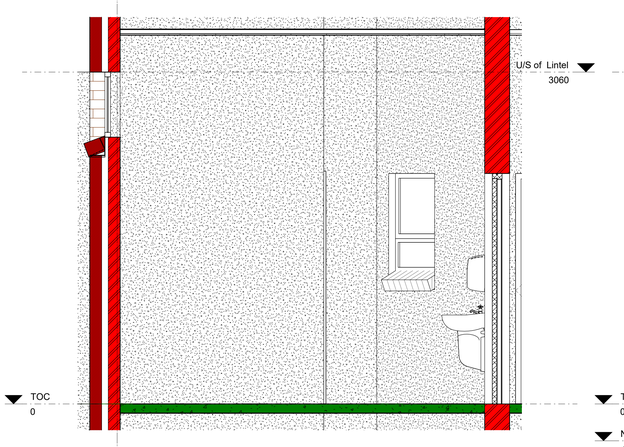


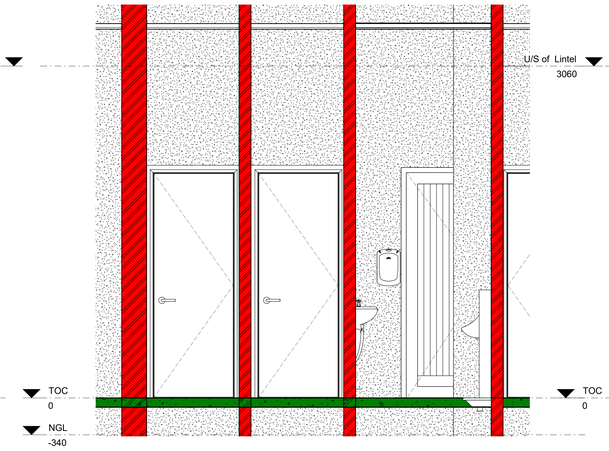
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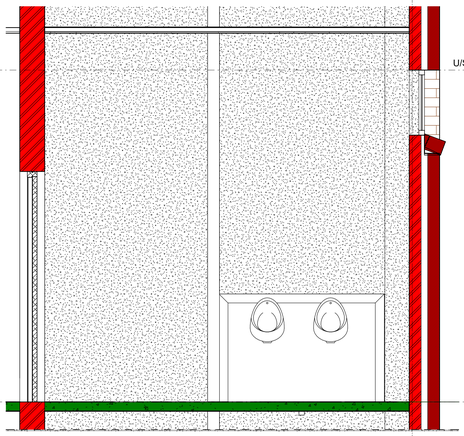
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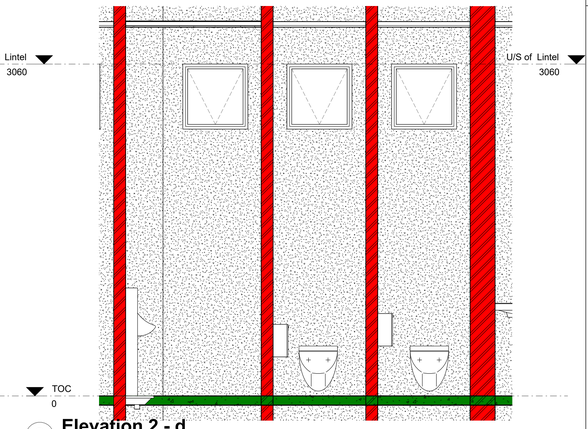
3 **Elevation 1 - c**
Scale: 1 : 20

4 **Elevation 1 - d**
Scale: 1 : 20









5 **Elevation 2 - a**
Scale: 1 : 20

6 **Elevation 2 - b**
Scale: 1 : 20

7 **Elevation 2 - c**
Scale: 1 : 20

8 **Elevation 2 - d**
Scale: 1 : 20

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No.	Description	Date	Issued by

CLIENT
Name :
Date :
Registration No : N/A
Signature :

IDT
Name :
Date :
Registration No : N/A
Signature :

ARCHITECT
Name :
Date :
Registration No :
Signature :

STRUCTURAL ENGINEER
Name :
Date :
Registration No :
Signature :

Issue For Information

IDT

Bodibe Public Library

Bodibe Village

ABLUTIONS DATA SHEETS

Project number	9700
Date	2025/03/18
Drawn by	Author
Revision	
9700- LIB-600	
Scale	1 : 20

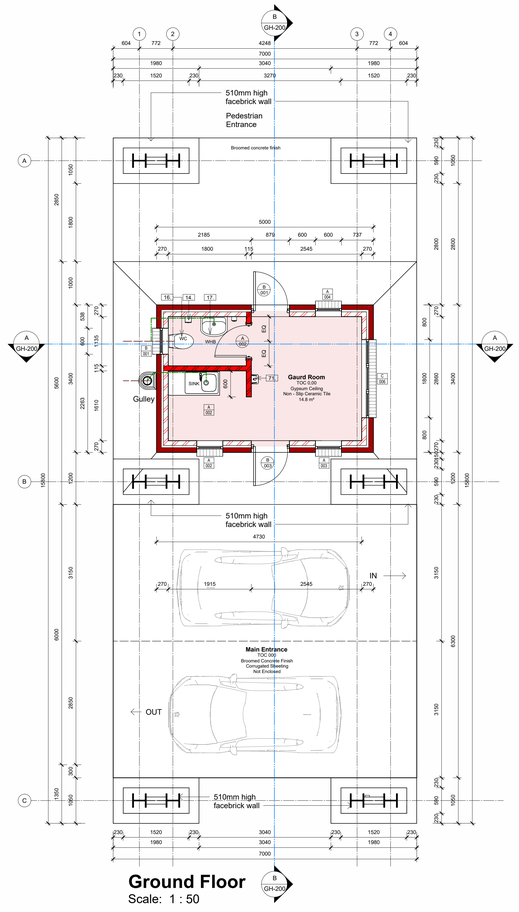
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MAPAENG
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21 Emerald Street
Rivera Park Mafikeng
2745
Tel: 018 381 6762
Fax: 086 669 5095

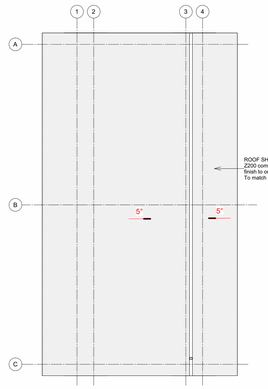
CHANNELSCIVIL
Contact Person: Natalie Gentiffe
Email: natalie@isago.co.za
Mobile: 083 565 3481
200 Cumberland Ave
Bryanston
2021
Tel: 011 463 7911
Fax: 086 552 3381

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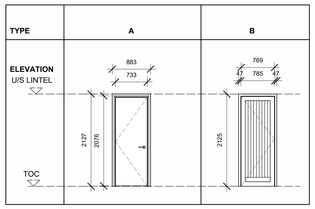


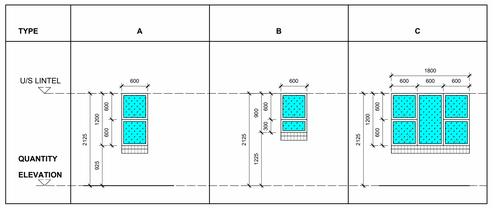
Ground Floor
Scale: 1 : 50



Roof Plan
Scale: 1 : 100

WC	WHB	TOILET ROLL HOLDER	SOAP DISPENSER	HAND DRYER	SINK	SINK TAP
						
WC: Vaal Sanitaryware Hibiscus Elite Close-Coupled toilet suite (code: VAA-772404WH). White. Notes- Vitreous china vandal proof close-coupled toilet suite complete with pan, front push button, lid & fitments. Size: 643mmX355mmX830mm	White C.I. porcelain wall hung enamelled wash hand basin, 31mm chromium plated outlet, with plug and chain, anchor & 32mm back nut complete with and including two chromium plated pillar tap, one tap hole plug.	Stainless Steel Toilet Roll Holder. Specification: Saniech Sanicare Toilet Roll Holder - Holds 3 rolls (stainless steel) to be fitted to each WC.	Golden Touch Soap Dispenser Lockable 1200ml – Stainless Steel	Ticra Ssteel hand dryer, energy saving. Code: S0013594	drop-in one piece pressed sink in Formica Counter 0.9mm stainless steel, with tiled splash back, tiling key, tap hole, mild steel gallow brackets & legs with soft black rubber P-trap. Provide one chromium plated basin pillar tap and mixer per sink. Specification: Franke Trendline 1000mm Inset.	Cobra Medical Pillar Tap (Code: 504-218) Hot & Cold Only
Room Name and N0#	**Room Name and N0#**	**Room Name and N0#**	**Room Name and N0#**	**Room Name and N0#**	**Room Name and N0#**	**Room Name and N0#**
Gaurd Room - 1	Gaurd Room - 1	Gaurd Room - 1	Gaurd Room - 1	Gaurd Room - 1	Gaurd Room - 1	Gaurd Room - 1
Grand total: 1	QUANTITY: 1	Grand total: 1	Grand total: 1	Grand total: 1	Grand total: 1	Grand total: 1



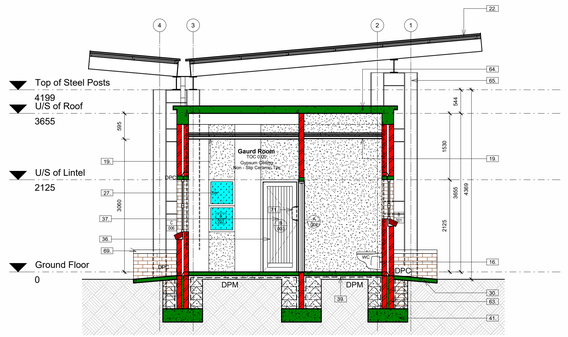


Door Schedule

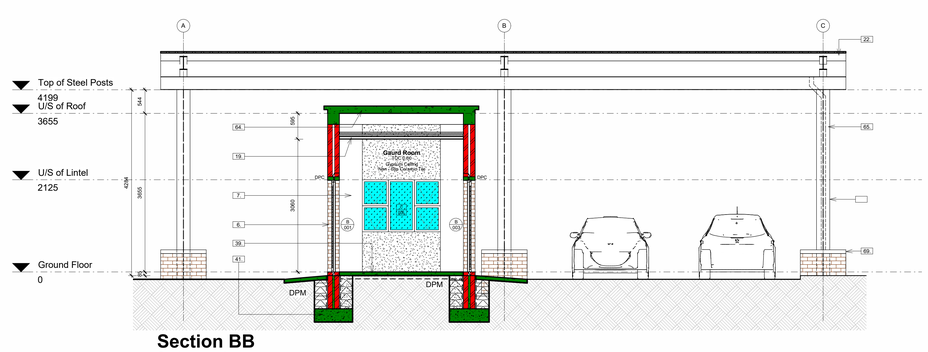
DOOR TYPE	QUANTITY	Family and Type	Width	Height	Head Height	From Room: Name	Frame Finish.	Door Finish.	Ironmongery.
A	1	Doors_IntSgl: 810x2110mm 2	810	2110	2090	Gaurd Room			
B	2	Swartland Winsters Single PD1: 813w X 2032h	813	2092	2092	Gaurd Room			

Window Schedule

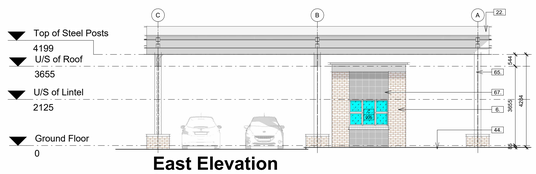
Window Type	Quantity	Family	Width	Height	Sill Height	Head Height	Frame Finish	From Room: Name	Glazing.	Ironmongery.	Burglar Bars.
A	3	Kal-Aluminium 600w X 1200h	600	1200	925	2125		<varies>			
B	1	Kal-Aluminium 600w X 900h	600	900	1225	2125		Gaurd Room			
C	1	Kal-Aluminium 1800w X 1200h DDT	1800	1200	925	2125		Gaurd Room			



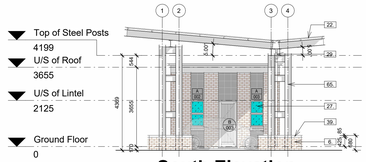
Section AA
Scale: 1 : 50



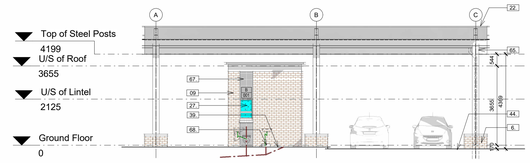
Section BB
Scale: 1 : 50



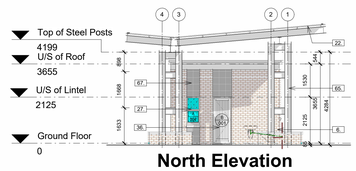
East Elevation
Scale: 1 : 100



South Elevation
Scale: 1 : 100



West Elevation
Scale: 1 : 100



North Elevation
Scale: 1 : 100

Keynote Legend

Key Value	Keynote Text
6.	FACE BRICK WALLS (EXTERNAL): In stretcher bond with all joints and perpends to be 6mm square deep recessed. Face brick specification to Architect's Specification.
7.	INTERNAL WALLS: Internal walls to be finished with 1 coat 15mm cement plaster and primed with 1 coat Plascon Plaster primer. Plastered and Painted Bathrooms to be painted with 2 coats Plascon Colour: VLO 10 Tequila.
09	
14.	NEW TOILET PAPER HOLDER: Vega Chrome Paper Holder
16.	NEW WC: NEW Vaal Hibiscus Elite Vandal Proof Close Couple Cistern (code 772404) complete with front push button, lid & fitments.
17.	NEW WHB: Vaal Azalea Semi-Recessed Basin 540x450mm
19.	NEW CEILING: 6mm Gypsum plasterboard primed & painted to Architect's spec. on 38mmx38mm ceiling brandering, framework by ceiling subcontractor. Ceiling finish: Primed & Painted with Plascon Wall & All Colour: White WAA1. 50mm Fibre Cement Cornice, painted with Plascon Wall & All Colour: White WAA1
22.	ROOF SHEETING: 0.58mm thick Galvanized steel Z200 complying with ISQ 550 (3T) with a Chromadek finish to one side and standard backing coat. Colour: To match existing.
27.	NEW WINDOWS: All Aluminium Frames: Fresh White. Contractor to notify Architect for Colour Spec Approval.
29.	RAINWATER DOWNPIPES: To be 125 x 100mm Chromadek Aluminium industrial RWDP to match roof colour.
30.	CONCRETE DRAINAGE APRON: To be 1200mm wide to Engineer's design, specification and approval.
36.	NEW EXTERNAL DOORS: As per door schedule. Steel door frames with Solid Meranti timber doors to Architect's spec. Door Frame Finish: Primed & Painted with Plascon Velveglo Colour: Battleship Grey G13. Door Finish: Sanded, Sealed with Plascon Exterior Wood Preservative. Colour: Clear. Refer to Door & Window Schedule.
37.	NEW INTERNAL DOORS: As per door schedule. Steel door frames with Semi Solid wood doors or equal and approved to Architect's spec. Door Frame Finish: Primed & Painted on steel with Plascon Velveglo Colour: Battleship Grey G13. Door Finish: Primed & Painted with Plascon Velveglo Colour: Tequila VLO 10. Refer to Door & Window Schedule.
39.	CONCRETE SLAB: Minimum 75mm Cast on 250 micron polythene damp proof membrane (as per clause 7.2 of specification DDG-001E), all side overlaps sealed with approved contact adhesive on 50mm sand on approved filling, 15MPA.
41.	FOUNDATION: 800mmx300mm minimum concrete foundation as per engineers specification , design & approval.
44.	PRECAST CONCRETE PAVING BLOCKS: Parking Area: Precast Concrete Interlocking Pavers 85mm thick laid on continuous damp proof membrane on well compacted fill, soil to be poisoned. Courtyards: Infraset Masonique, Walkways: Infraset Cottagestone.
63.	25MPa Concrete filling as per structural engineers drawings.
64.	Reinforced Concrete Slab to Structural Engineer's details and specifications
65.	Steel structural support's details and specifications
67.	300x300mm Natural stone tile on tile adhesive to 15mm plaster on stock brick
68.	Lion Concrete Gully Top 400 x 400 x 120 mm
69.	TPE 10 Modcon or similar approved Reinforced Precast Concrete coping to architect's approval.
71.	HAND DRYER: Ticra Ssteel hand dryer, energy saving. Code: S0013594

GENERAL NOTES:
1. DIMENSIONS TO BE USED IN PREFERENCE TO SCALING.
2. ALL LEVELS & DIMENSIONS TO BE CHECKED PRIOR TO WORK BEING PUT ON HAND. ANY DISCREPANCIES TO BE REPORTED TO THE ARCHITECT.
3. ALL LEVELS SHOWNS ARE STRUCTURAL LEVELS.
4. ALL STRUCTURAL WORK IS TO BE CHECKED & APPROVED BY THE APPOINTED STRUCTURAL ENGINEER.
5. COPYWRITE OF THIS DRAWING IS ALWAYS TO REMAIN WITH ISAGO ARCHITECTURE CC.
6. THE CONTRACTOR IS TO CHECK ALL SCHEDULES AN DRAWINGS BEFORE PLACING ORDERS.
7. ALL BUILDING WORK AND BUILDING REQUIREMENTS ARE TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL BUILDING REGULATIONS AND BUILDING STANDARDS, SANS10 400 & SANS204.
8. ALL PARTITIONING TO HAVE ADEQUATE FIRE RATING AND RODENT PROOFING.
9. LIGHTING AND VENTILATION TO COMPLY WITH PART "O" OF THE NATIONAL BUILDING REGULATIONS.
10. ALL BALUSTRADES TO BE IN ACCORDANCE WITH THE NATIONAL BUILDING REGULATIONS (I.E. 1000mm HIGH AND BALUSTERS AT MAXIMUM 100mm CENTRE TO CENTRE.
11. ALL SPECIFICATIONS AND WORK TO BE IN ACCORDANCE WITH SABS 0400, SANS10400, SANS 204 & NBR.

DRAINAGE RETICULATION NOTES:
1. ALL PLUMBING TO BE IN ACCORDANCE WITH NATIONAL BUILDING REGULATIONS.
2. ALL DRAINAGE RUNS TO BE ACCESSIBLE ALONG THEIR ENTIRE LENGTH.
3. VENT PIPES TO BE CARRIED UP TO 2m ABOVE ANY WINDOW OR DOOR OPENING IN THE BUILDING OR ANY OTHER BUILDING WITHIN A DISTANCE OF 6m.
4. INSPECTIONS EYES (I.E'S) TO BE PROVIDED AT ALL BENDS AND JUNCTIONS OF SOIL AND WASTE WATE PIPES.
5. RODDING EYES (R.E'S) TO BE PROVIDED AT HEADS OF DRAINS AND AT A MAXIMUM OF 25m SPACING ALONG RUNS OF DRAINS.
6. MARKED COVERS TO BE PROVIDED AT GROUND LEVEL FOR ALL INSPECTION EYES (I.E'S).
7. RESEAL TRAPS TO BE FITTED TO ALL WASTE FITTINGS.
8. SOIL DRAINS UNDER BUILDINGS TO BE PROTECTED FROM ALL VERTICAL SETTLEMENT LOADS WITH RODDING EYES (R.E'S) AS CLOSE AS POSSIBLE TO THE BUILDING AT BOTH ENDS.
9. SOIL WATER PIPES HAVING A VERTICAL DROP EXCEEDING 1200mm TO THE MAIN DRAIN TO BE ANTI-SYPHONED.
10. ALL BRANCH DRAINS EXCEEDING 6m IN LENGTH TO BE VENTED.
11. ALL MATERIALS USED ARE TO BE IN ACCORDANCE WITH THE MANUFACTURER'S TECHNICAL SPECIFICATIONS.

No.	Description	Date	Issued by
1	Issue for Information	2025/03/18	P.N SEDIBE
2	Issue For Council	2026/08/122	L. Mhlongo

CLIENT
Name :
Date :
Registration No : N/A
Signature :

IDT
Name :
Date :
Registration No : N/A
Signature :

ARCHITECT
Name :
Date :
Registration No :
Signature :

STRUCTURAL ENGINEER
Name :
Date :
Registration No :
Signature :

Issue For Approval

IDT

Bodibe Public Library

Bodibe Village

Floor Plan, Elevations & Sections

Project number	9700
Date	2026/08/12
Drawn by	L. Mhlongo
Revision	2

9700- GH-200

Scale: As indicated

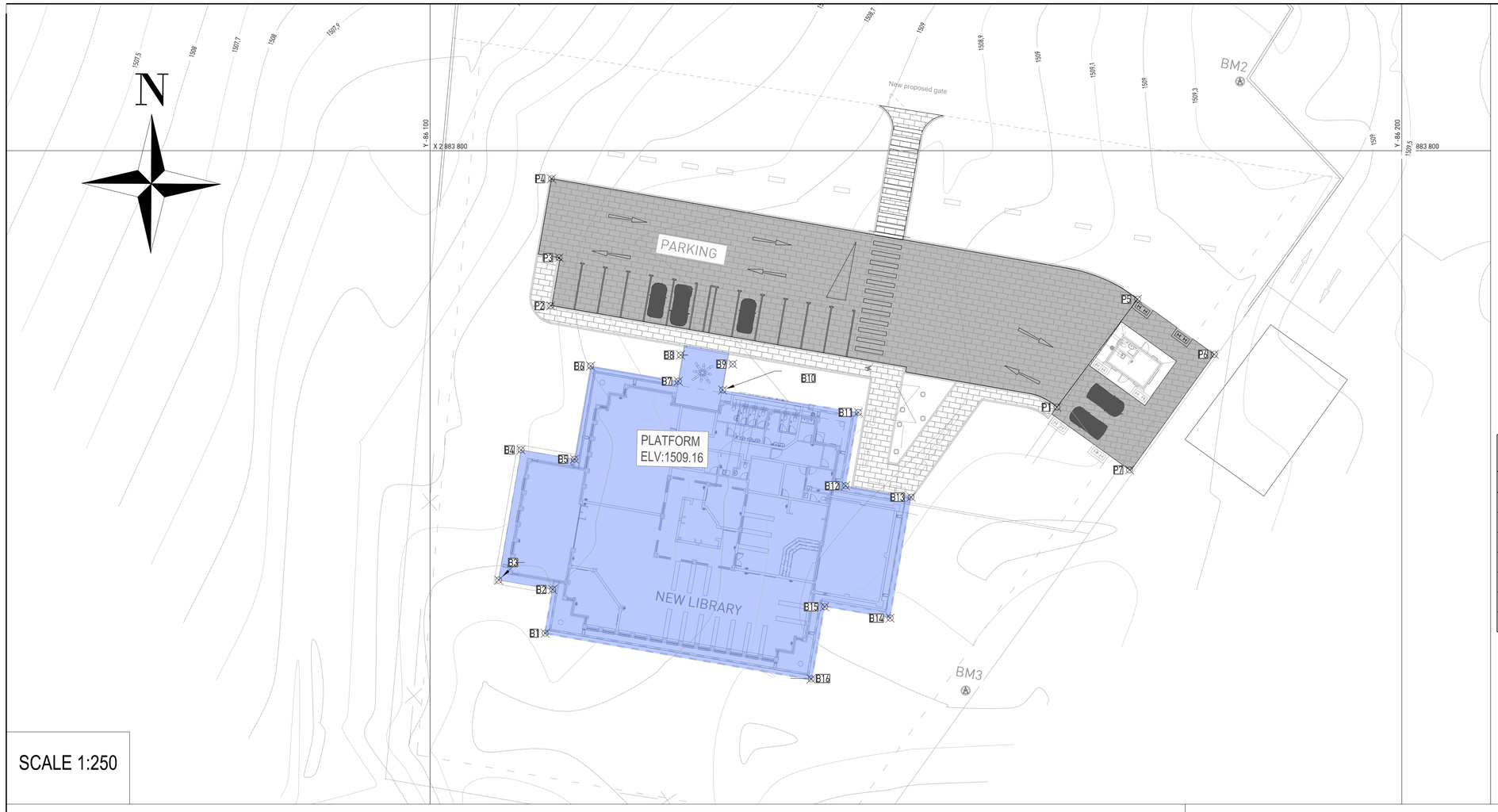
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Contact Person: Kopano Vincent Molleko
Email: kopano@isago.co.za
Mobile: 083 551 9535
21 Emerald Street
Riviera Park Mafikeng
2745
Tel: 018 381 6762
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Contact Person: Natalie Gottlife
Email: natalie@isago.co.za
Mobile: 083 565 1641
Tel: 011 463 7911
Fax: 086 552 5381
200 Cumberland Ave
Bryanston
2021

9/23/2026 11:09:21 AM

C:\Users\Lunghile\OneDrive - Isago Architecture\Isago - ISAGO OFFICE\PROJECTS\9700 Bodibe Community Library\2. DESIGN DRAWINGS - REV 01, 02. 03\RVT\Latest\9700 Bodibe Community Library GH REV0.rvt

ANNEXURE B

CIVIL AND STRUCTURAL DRAWINGS



SCALE 1:250

POINT TABLE			
POINT	Y	X	Z
b1	86 111.836	-2 883 849.654	1509.160
b2	86 112.615	-2 883 845.155	1509.160
b3	86 107.055	-2 883 844.192	1509.160
b4	86 109.353	-2 883 830.789	1509.160
b5	86 114.862	-2 883 831.743	1509.160
b6	86 116.521	-2 883 822.163	1509.160
b7	86 125.548	-2 883 823.726	1509.160
b8	86 125.774	-2 883 821.036	1509.160
b9	86 131.141	-2 883 821.968	1509.160
b10	86 130.108	-2 883 824.629	1509.160
b11	86 144.072	-2 883 826.934	1509.160
b12	86 142.765	-2 883 834.487	1509.160
b13	86 149.500	-2 883 835.654	1509.160
b14	86 147.345	-2 883 848.099	1509.160
b15	86 140.609	-2 883 846.933	1509.160
b16	86 139.215	-2 883 854.357	1509.160

POINT TABLE			
POINT	Y	X	Z
p1	86 164.503	-2 883 826.398	0.000
p2	86 112.419	-2 883 815.958	1508.502
p3	86 113.288	-2 883 811.014	0.000
p4	86 112.489	-2 883 802.892	0.000
p5	86 172.804	-2 883 815.281	0.000
p6	86 180.705	-2 883 820.953	0.000
p7	86 171.986	-2 883 832.851	0.000

APPROVED

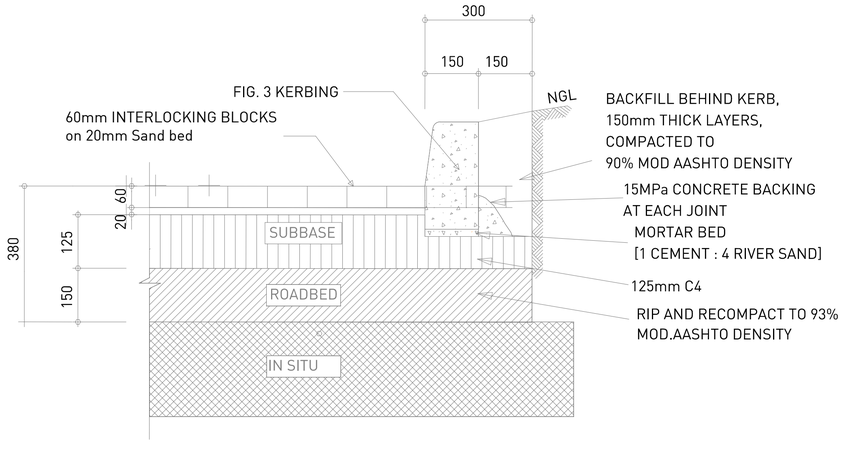
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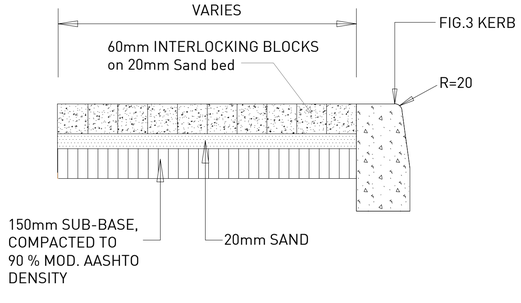
1. ALL WORK TO BE IN ACCORDANCE WITH SABS 1200 DM, ME, MF, MH, MK AND COUNCIL REQUIREMENTS.
2. SUBSURFACE WATER IS NOT EXPECTED DURING CONSTRUCTION OF CIVIL ENGINEERING SERVICES.

LEGEND

- BUILDING PLATFORM
- WALK-WAY
- PAVED DRIVEWAY & PARKING LOT
- CROSSFALL

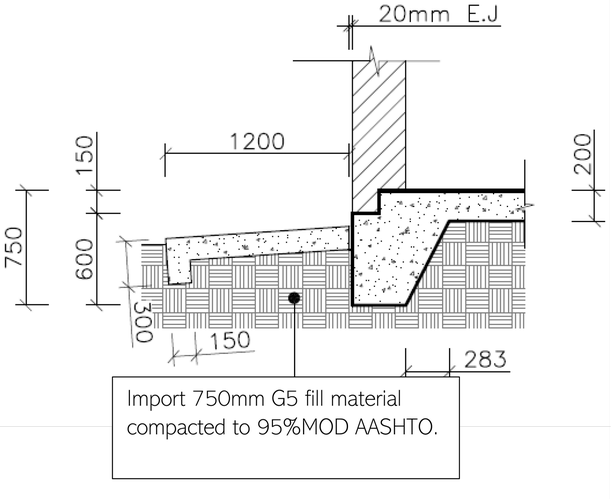
PARKING & WALKWAY LAYERWORKS





TYPICAL SIDE WALK
CROSS SECTION
NOT TO SCALE

LIBRARY FOUNDATION FILL



REV	DATE	REVISION
B	2026-05-14	ISSUED FOR CONSTRUCTION
A	2024-06-11	ISSUED FOR INORMATION

MT Utloa, Pr. Tech Eng
Reg No: 2018300271
15/05/2026

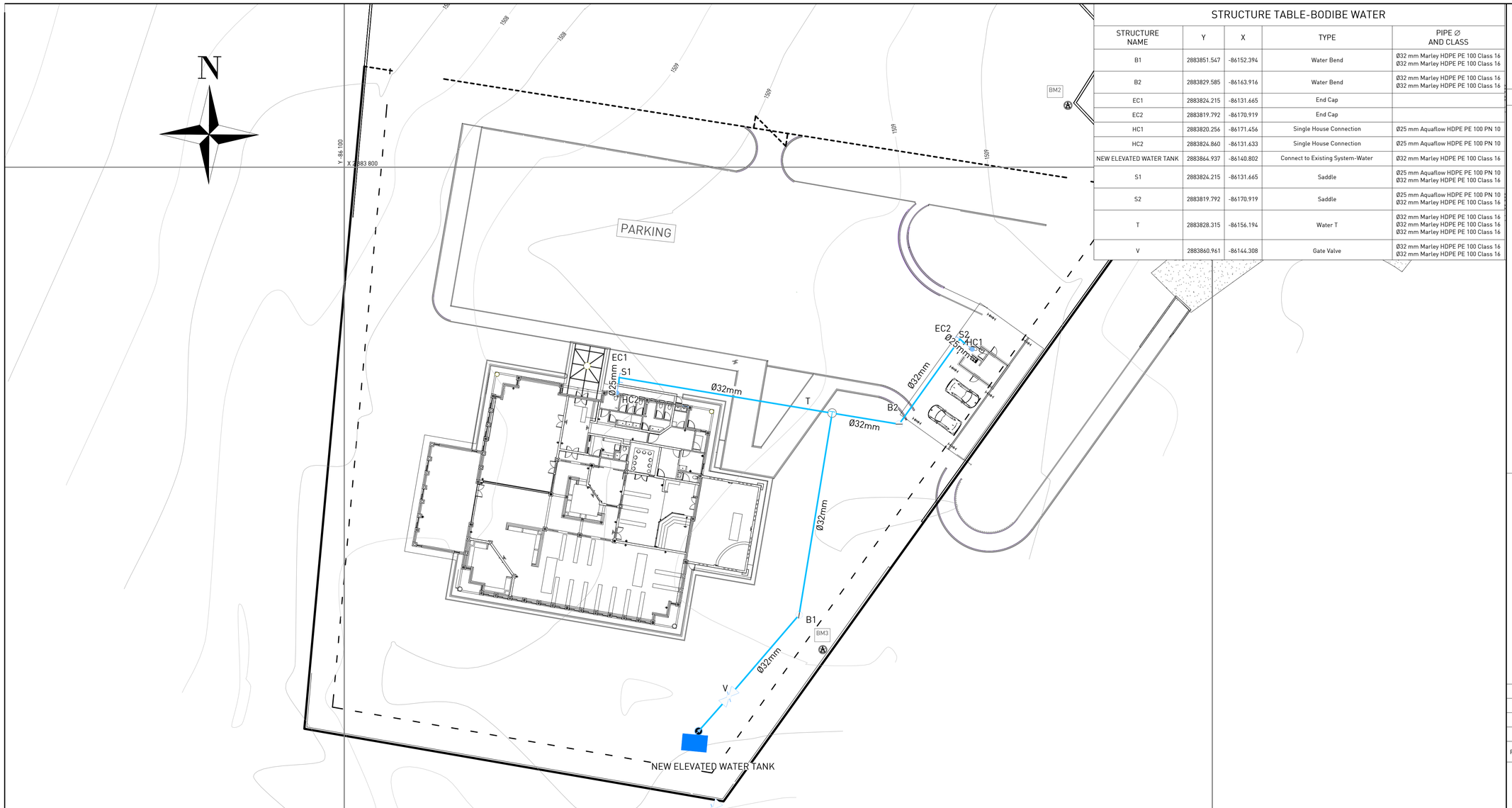
KEBALEN Logistics Pty LTD.

PROJECT
BODIBE COMMUNITY LIBRARY

DESCRIPTION
SITE EARTHWORKS LAYOUT

DESIGNED	PU	SCALE	AS SHOWN
DRAWN	PU	DATE	JUNE 2024
CHECKED	TU	DRAWING STATUS	○ CONCEPT DRAWING ○ TENDER DRAWING ● CONSTRUCTION DRAWING ○ AS BUILT DRAWING
DRAWING No.	BOD-PE-01		
REVISION	A B		

22.05.2026



STRUCTURE TABLE-BODIBE WATER

STRUCTURE NAME	Y	X	TYPE	PIPE ∅ AND CLASS
B1	2883851.547	-86152.394	Water Bend	Ø32 mm Marley HDPE PE 100 Class 16 Ø32 mm Marley HDPE PE 100 Class 16
B2	2883829.585	-86163.916	Water Bend	Ø32 mm Marley HDPE PE 100 Class 16 Ø32 mm Marley HDPE PE 100 Class 16
EC1	2883824.215	-86131.665	End Cap	
EC2	2883819.792	-86170.919	End Cap	
HC1	2883820.256	-86171.456	Single House Connection	Ø25 mm Aquaflow HDPE PE 100 PN 10
HC2	2883824.860	-86131.633	Single House Connection	Ø25 mm Aquaflow HDPE PE 100 PN 10
NEW ELEVATED WATER TANK	2883864.937	-86140.802	Connect to Existing System-Water	Ø32 mm Marley HDPE PE 100 Class 16
S1	2883824.215	-86131.665	Saddle	Ø25 mm Aquaflow HDPE PE 100 PN 10 Ø32 mm Marley HDPE PE 100 Class 16
S2	2883819.792	-86170.919	Saddle	Ø25 mm Aquaflow HDPE PE 100 PN 10 Ø32 mm Marley HDPE PE 100 Class 16
T	2883828.315	-86156.194	Water T	Ø32 mm Marley HDPE PE 100 Class 16 Ø32 mm Marley HDPE PE 100 Class 16 Ø32 mm Marley HDPE PE 100 Class 16
V	2883860.961	-86144.308	Gate Valve	Ø32 mm Marley HDPE PE 100 Class 16 Ø32 mm Marley HDPE PE 100 Class 16

APPROVED

NOTES:

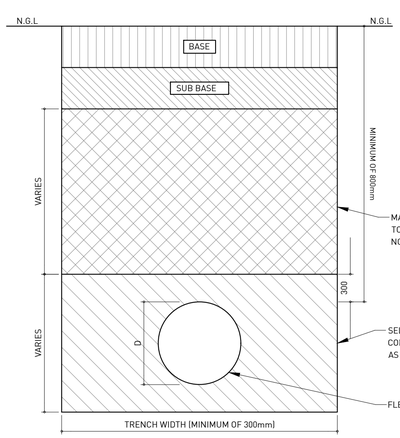
1. PIPE LINE CONSTRUCTION TO BE IN ACCORDANCE WITH SABS DB, L, LB, LD, & LE.
2. PIPES SHALL BE HIGH DENSITY POLYETHELENE (HDPE) CLASS PE 100 PN 12.5 AS PER SANS 4427.
3. BUTT WELDED, IN ACCORDANCE WITH SANS 10268-1.
4. MECHANICAL JOUNTING DEVICES (INCLUDING FLANGES & COMPRESSION FITTING) SHALL BE USED ONLY ON MANHOLES.
5. WET AND DRY ENGINEERING SERVICES PIPES (MEDIUM PRESSURE PIPE TYPES) SHALL BE SUBJECTED TO HYDRAULIC PIPELINE TESTING, AFTER INSTALLATION, IN ACCORDANCE WITH SANS 2001-DP2 FOR THE SELECTED PIPE TYPE, IRRESPECTIVE OF APPLICATION. THE TEST PRESSURE APLLIED OVER ANY SECTION OF PIPELINE, TAKING ANY DIFFERENCES IN ELEVATION ALONG PIPELINE INTO ACCOUNT, SHALL BE SUCH THAT THE PRESSURE AT ANY POINT ALONG THE SECTION IS NOT LESS THAN 1.25 x THE DESIGNATED WORKING PRESSURE OR 0.4MPa, WHICHEVER IS THE GREATER, AND NOT MORE THAN 1.5 THE DESIGNATED WORKING PRESSURE AT THESE POINTS. THE FIELD TEST PRESSURE SHALL NOT EXCEED THE APPROPRIATE VALUES GIVEN IN TABLE 6.

   NOTE: INCREASING THE NOMINAL PRESSURE RATING INCREASES THE SAFETY FACTOR AND THE DESIGN LIFE OF THE PIPE AND REDUCES THE RISK OF RUPTURE DUE TO LOCALIZED STRESSES OR DAMAGE.
6. ALL PIPES IN ROAD RESERVE TO BE 1m FROM ROAD RESERVE BOUNDARY, UNLESS OTHERWISE INDICATED.
7. ALL PIPES TO BE 32mm Ø UNLESS OTHERWISE INDICATED.
8. WATERMETER TO BE PROVIDED AND INSTALLED BY MIDVAAL LOCAL MUNICIPALITY / BUILDING CONTRACTOR ON APPLICATION BY OWNER/BUILDER.

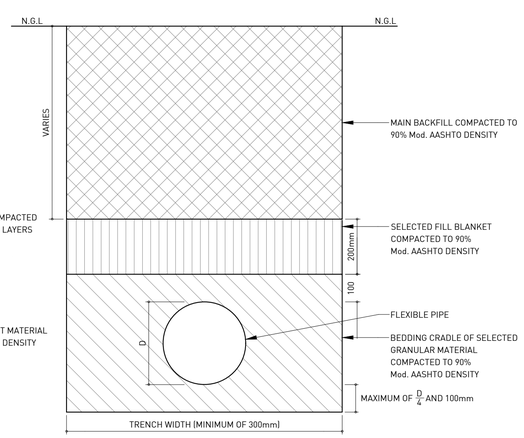
MT Utloa, Pr. Tech Eng
Reg No: 2018300271
15/05/2026

LEGEND:

- PROPOSED 32mm DIAMETER WATER PIPE
- END CAP
- SLUICE VALVE
- CONNECTION TO EXISTING 2X10kl WATER TANK
- T-PIECE
- WATER BEND



ROAD CROSSING DETAIL
NOT TO SCALE



BEDDING DETAIL FOR FLEXIBLE PIPES (SABS 1200 LB)
NOT TO SCALE

CO-ORDINATE LIST OF BENCHMARKS

NAME	Y	X	Z	DESCRIPTION
BM1	-86087,150	2883698,940	1506,816	16mm IRON PEG
BM2	-86183,360	2883792,880	1509,396	16mm IRON PEG
BM3	-86155,120	2883855,540	1509,021	16mm IRON PEG

REV	DATE	REVISION
B	2026-05-13	ISSUED FOR CONSTRUCTION
A	2024-03-28	ISSUED FOR INFORMATION

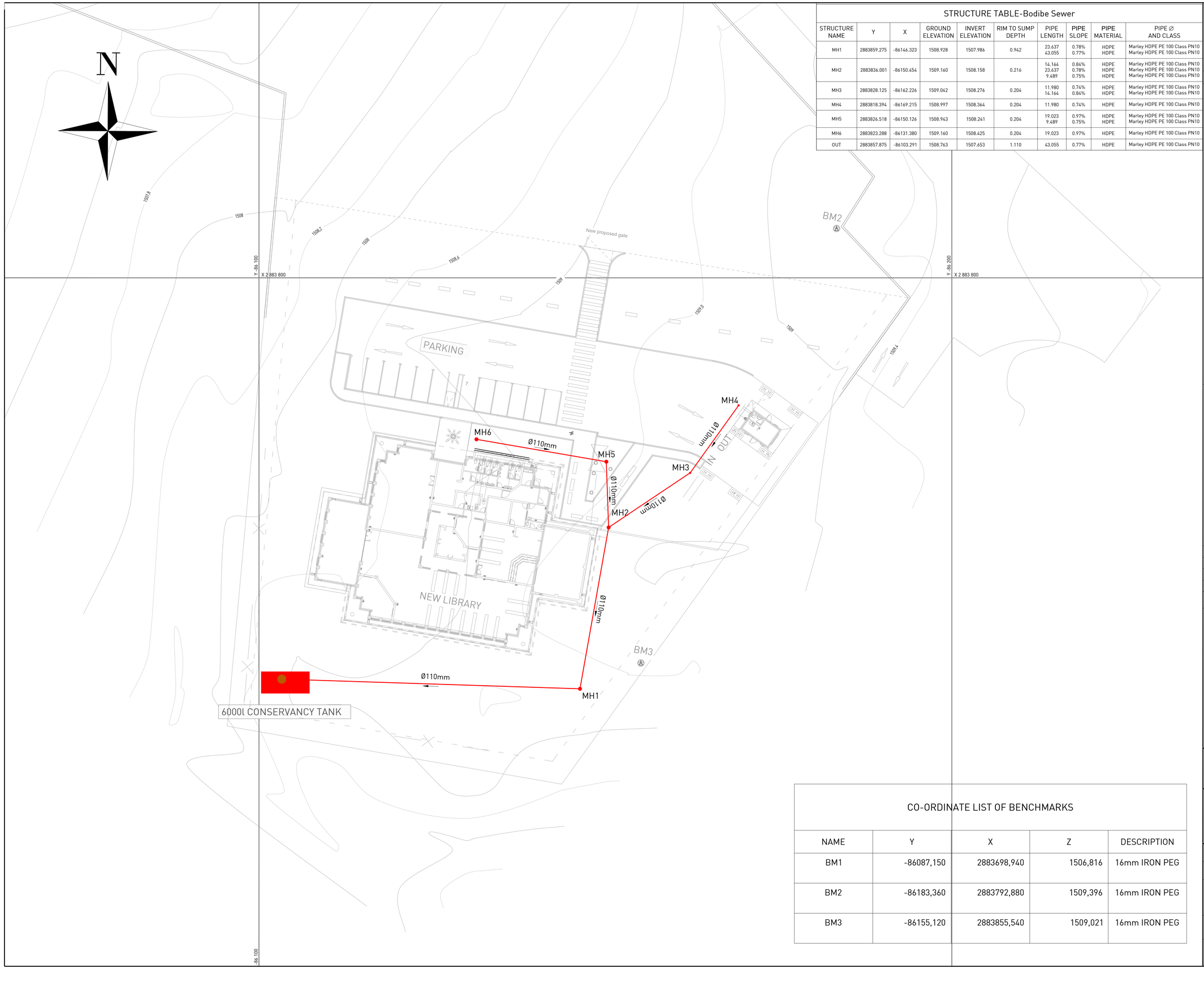
KEBALEN Logistics Pty LTD.

PROJECT
BODIBE COMMUNITY LIBRARY

DESCRIPTION
WATER LAYOUT

DESIGNED	PU	SCALE	1:250
DRAWN	PU	DATE	MARCH 2024
CHECKED	TU	DRAWING STATUS	○ CONCEPT DRAWING ○ TENDER DRAWING ● CONSTRUCTION DRAWING ○ AS BUILT DRAWING
DRAWING No.	MAK-001		
REVISION	A B		

15.05.2026



STRUCTURE TABLE-Bodibe Sewer

STRUCTURE NAME	Y	X	GROUND ELEVATION	INVERT ELEVATION	RIM TO SUMP DEPTH	PIPE LENGTH	PIPE SLOPE	PIPE MATERIAL	PIPE Ø AND CLASS
MH1	2883859.275	-86146.323	1508.928	1507.986	0.942	23.637 43.055	0.78% 0.77%	HDPE HDPE	Marley HDPE PE 100 Class PN10 Marley HDPE PE 100 Class PN10
MH2	2883836.001	-86150.454	1509.160	1508.158	0.216	14.144 23.637 9.489	0.84% 0.78% 0.75%	HDPE HDPE HDPE	Marley HDPE PE 100 Class PN10 Marley HDPE PE 100 Class PN10 Marley HDPE PE 100 Class PN10
MH3	2883828.125	-86162.226	1509.042	1508.276	0.204	11.980 14.144	0.74% 0.84%	HDPE HDPE	Marley HDPE PE 100 Class PN10 Marley HDPE PE 100 Class PN10
MH4	2883818.394	-86169.215	1508.997	1508.364	0.204	11.980	0.74%	HDPE	Marley HDPE PE 100 Class PN10
MH5	2883826.518	-86150.126	1508.943	1508.241	0.204	19.023 9.489	0.97% 0.75%	HDPE HDPE	Marley HDPE PE 100 Class PN10 Marley HDPE PE 100 Class PN10
MH6	2883823.288	-86131.380	1509.160	1508.425	0.204	19.023	0.97%	HDPE	Marley HDPE PE 100 Class PN10
OUT	2883857.875	-86103.291	1508.763	1507.653	1.110	43.055	0.77%	HDPE	Marley HDPE PE 100 Class PN10

APPROVED

NOTES:

1. PIPES:
   1.1. PIPE LINE CONSTRUCTION TO BE IN ACCORDANCE WITH SANS 1200 DB, L, LB, LC, LD & LE.
   1.2. PIPES SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) PE 100 PN 12.5 SDR 17 AS PER SANS 4427.BUTT-FUSION, ELECTRO-FUSION OR HOT GAS EXTRUSION WELDS, IN ACCORDANCE WITH SANS 10268-1.MINIMUM LENGTHS OF 12M.
   1.3. PIPELINES SHALL BE PRESSURE TESTED DURING CONSTRUCTION USING THE PRESSURE TEST PROCEDURES PRESCRIBED IN SANS 2001-DP2.
2. MANHOLES:
   2.1. SEWERS AND GRAVITY DRAINAGE SYSTEMS, INCLUSIVE OF PIPES, SLEEVES OR CONDUITS SHALL BE SUBJECTED TO HYDRAULIC PIPELINE TESTING, AFTER INSTALLATION, IN ACCORDANCE WITH SANS 2001-DP2.
   2.2. ALL MANHOLES SHALL BE WATERTIGHT AND SHALL BE TESTED FOR WATERTIGHTNESS (ZERO LEAKAGE) DURING CONSTRUCTION USING THE TEST PROCEDURE IN SANS 2001-CC1.
   2.3. MANHOLES AND INSPECTION CHAMBERS SHOULD PREFERABLY MANUFACTURED FROM STRUCTURED OR SOLID WALL POLYETHYLENE (PE) PIPES THAT COMPLY WITH THE REQUIREMENTS OF SANS 4427-1 OR SANS 674, AS APPROPRIATE, WITH A MATERIAL DESIGNATION OF PE 100 (OR HIGHER), WITH INLETS AND OUTLETS THAT CAN BE JOINED TO COMPATIBLE PIPE SYSTEMS BY MEANS OF BUTT-FUSION OR ELECTRO-FUSION FITTINGS.
3. ALL WORK TO BE DONE ACCORDANC TO SANS 1936.

SEWER LEGEND:

- PROPOSED 110mm Ø HDPE SEWER PIPE
- 1000mm Ø SEWER MANHOLE
- DIRECTION ARROW

CO-ORDINATE LIST OF BENCHMARKS

NAME	Y	X	Z	DESCRIPTION
BM1	-86087,150	2883698,940	1506,816	16mm IRON PEG
BM2	-86183,360	2883792,880	1509,396	16mm IRON PEG
BM3	-86155,120	2883855,540	1509,021	16mm IRON PEG

REV	DATE	REVISION
B	2026-05-12	ISSUED FOR CONSTRUCTION
A	2024-06-11	ISSUED FOR INFORMATION

MT Utloa, Pr. Tech Eng
Reg No: 2018300271
15/05/2026

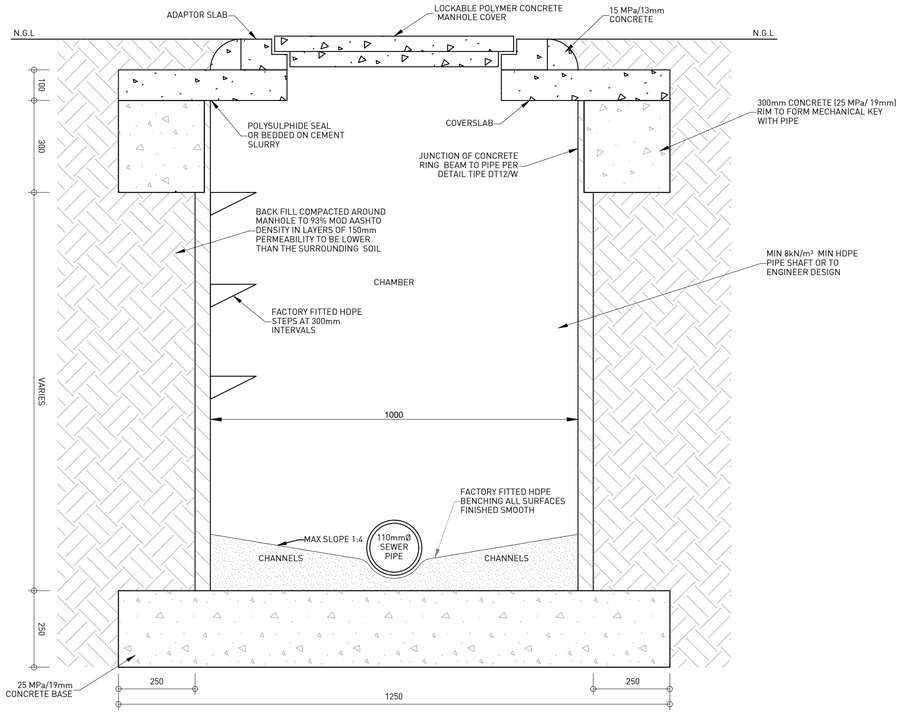
KEBALEN Logistics Pty LTD.

PROJECT
BODIBE COMMUNITY LIBRARY

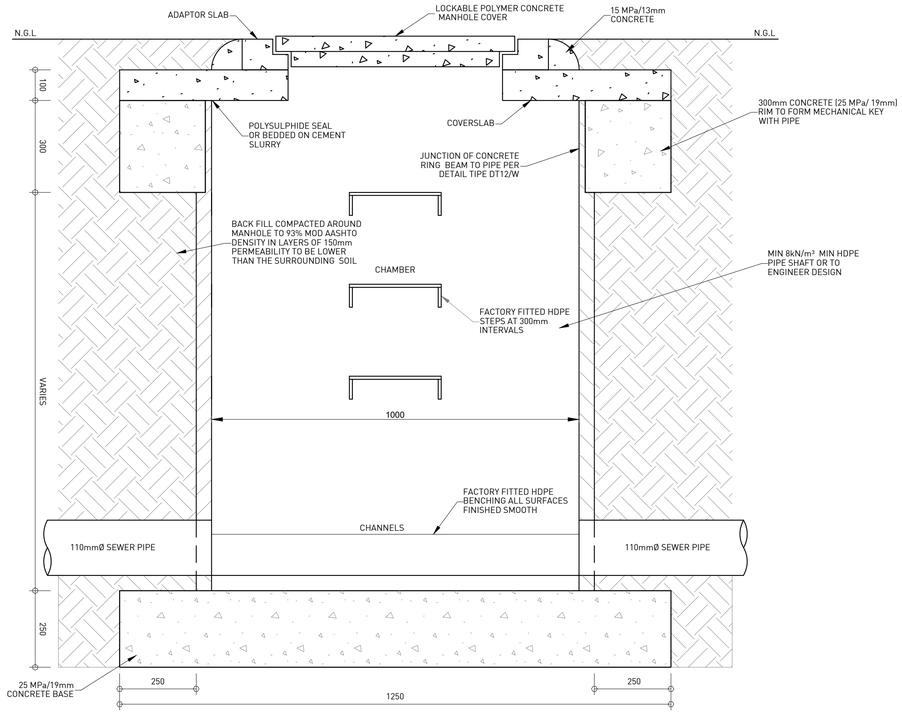
DESCRIPTION
SEWER LAYOUT

DESIGNED	PU	SCALE	1:250
DRAWN	PU	DATE	JUNE 2024
CHECKED	TU	○ CONCEPT DRAWING ○ TENDER DRAWING ● CONSTRUCTION DRAWING ○ AS BUILT DRAWING	DRAWING STATUS
DRAWING No.	BOD-S-01		
REVISION	A B		

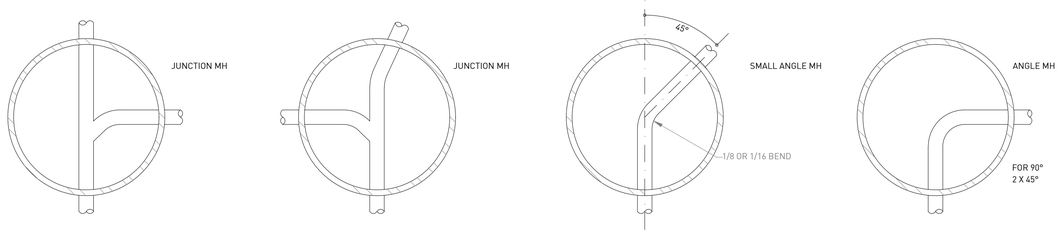
22.05.2026



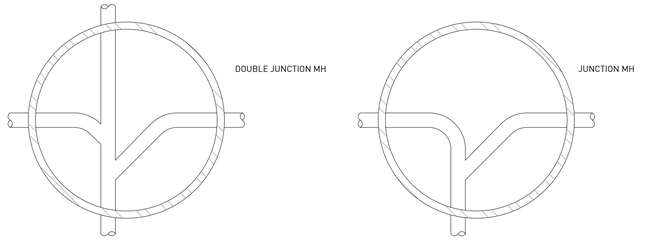
FRONT VIEW
1000mm Ø MANHOLE
NOT TO SCALE



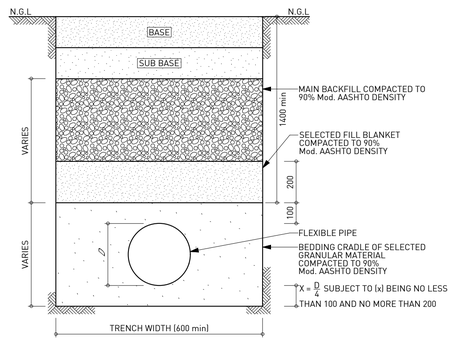
SIDE VIEW
1000mm Ø MANHOLE
NOT TO SCALE



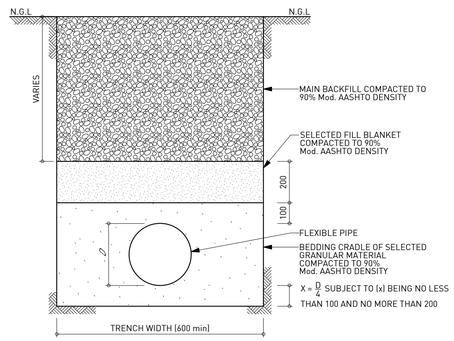
1000mm Dia MANHOLES
NOT TO SCALE



1000mm Dia MANHOLES
NOT TO SCALE



ROAD CROSSING DETAIL
NOT TO SCALE



BEDDING DETAIL FOR FLEXIBLE PIPES
(SANS 1200 LB)
NOT TO SCALE

APPROVED

CITY ENGINEER | HEAD OF SECTION

NOTES:

1. PIPES:
 1.1. PIPE LINE CONSTRUCTION TO BE IN ACCORDANCE WITH SANS 1200 DB, L, LB, LC, LD & LE.

 1.2. PIPES SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) PE 100 PN 12.5 SDR 17 AS PER SANS 4427.BUTT-FUSION, ELECTRO-FUSION OR HOT GAS EXTRUSION WELDS, IN ACCORDANCE WITH SANS 10268-1.MINIMUM LENGTHS OF 12M.

 1.3. PIPELINES SHALL BE PRESSURE TESTED DURING CONSTRUCTION USING THE PRESSURE TEST PROCEDURES PRESCRIBED IN SANS 2001-DP2.

2. MANHOLES.
 2.1. SEWERS AND GRAVITY DRAINAGE SYSTEMS, INCLUSIVE OF PIPES, SLEEVES OR CONDUITS SHALL BE SUBJECTED TO HYDRAULIC PIPELINE TESTING, AFTER INSTALLATION, IN ACCORDANCE WITH SANS 2001-DP2.

 2.2. ALL MANHOLES SHALL BE WATERTIGHT AND SHALL BE TESTED FOR WATERTIGHTNESS (ZERO LEAKAGE) DURING CONSTRUCTION USING THE TEST PROCEDURE IN SANS 2001-CC1.

 2.3. MANHOLES AND INSPECTION CHAMBERS SHOULD PREFERABLY MANUFACTURED FROM STRUCTURED OR SOLID WALL POLYETHYLENE (PE) PIPES THAT COMPLY WITH THE REQUIREMENTS OF SANS 4427-1 OR SANS 674, AS APPROPRIATE, WITH A MATERIAL DESIGNATION OF PE 100 (OR HIGHER), WITH INLETS AND OUTLETS THAT CAN BE JOINED TO COMPATIBLE PIPE SYSTEMS BY MEANS OF BUTT-FUSION OR ELECTRO-FUSION FITTINGS.

3. ALL WORK TO BE DONE ACCORDANC TO SANS 1936.

LEGEND:

APPROVED FOR DISTRIBUTION

MT Utloa, Pr. Tech Eng
Reg No: 2018300271
15/05/2026

REV	DATE	REVISION	NM
A	2026-05-12	ISSUED FOR CONSTRUCTION	

KEBALEN Logistics Pty LTD.

CLIENT

PROJECT
BODIBE COMMUNITY LIBRARY

DESCRIPTION
SEWER DETAILS

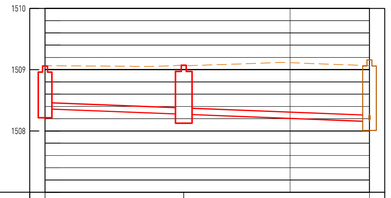
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DRAWN	PU	DATE	JUNE 2024
DRAWING OFFICE		○ CONCEPT DRAWING ○ TENDER DRAWING ● CONSTRUCTION DRAWING ○ AS BUILT DRAWING	
CHECKED	TU	DRAWING STATUS	

DRAWING No. MAK-002

REVISION A

E:\PROJECT\PROJECT KYBODIBE PROJECT\DESIGN\DRAWINGS\SEWER\SEWER DETAILS DETAILS.DWG

15.05.2026

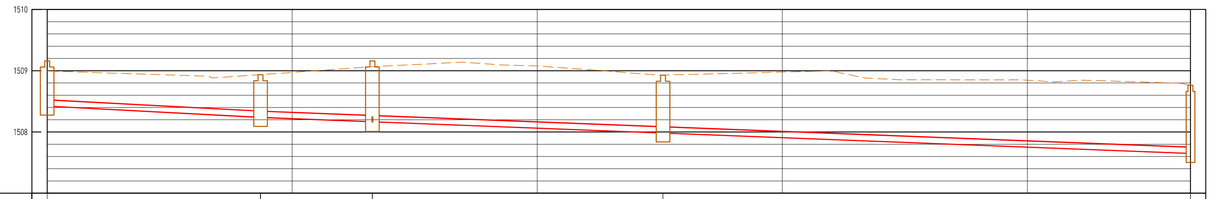


SCALES:
Horizontal 1:250
Vertical 1:50

DATUM 1507.000

MANHOLE NAME		MH4			MH3			MH2	
CHAINAGE (m)		0.00			11.32	11.32			26.48
GROUND LEVEL		1509.089			1509.070			1509.160	
MANHOLE DEPTH		0.70			0.80			1.00	
PIPE INLET / OUTLET INVERT LEVEL		1508.364			1508.276	1508.276		1508.158	
SLOPE / LENGTH		0.8% [1:128.1] 11.32m				0.8% [1:128.1] 15.16m			
HYDRAULICS	DESIGN Q (l/s) V (m/s)	0.01 l/s 0.1 m/s				0.01 l/s 0.1 m/s			
	CAPACITY Q (l/s) V (m/s)	4.24 l/s 0.7 m/s				4.24 l/s 0.7 m/s			
PIPE SIZE & TYPE		Ø110mm PN10				Ø110mm PN10			
BEDDING CLASS SANS 1200LB		CLASS B				CLASS B			

LONGSECTION MH4-MH2
FROM 0.000 TO 26.479



SCALES:
Horizontal 1:250
Vertical 1:50

DATUM 1507.000

MANHOLE NAME		MH6			MH5			MH2			MH1			OUT
CHAINAGE (m)		0.00			17.42	17.42		26.55	26.55		50.27	50.27		93.32
GROUND LEVEL		1509.160			1508.936			1509.160			1508.928			1508.763
MANHOLE DEPTH		0.73			0.70			1.00			0.94			1.11
PIPE INLET / OUTLET INVERT LEVEL		1508.425			1508.241	1508.241		1508.170	1508.170		1507.986	1507.986		1507.653
SLOPE / LENGTH		1.1% [1:94.6] 17.42m			0.8% [1:128.1] 9.13m			0.8% [1:129.1] 23.72m			0.8% [1:129.1] 43.05m			
HYDRAULICS	DESIGN Q (l/s) V (m/s)	0.03 l/s 0.2 m/s			0.03 l/s 0.2 m/s			0.04 l/s 0.2 m/s			0.04 l/s 0.2 m/s			
	CAPACITY Q (l/s) V (m/s)	4.93 l/s 0.8 m/s			4.24 l/s 0.7 m/s			4.22 l/s 0.7 m/s			4.22 l/s 0.7 m/s			
PIPE SIZE & TYPE		Ø110mm PN10			Ø110mm PN10			Ø110mm PN10			Ø110mm PN10			
BEDDING CLASS SANS 1200LB		CLASS B			CLASS B			CLASS B			CLASS B			

LONGSECTION MH6-OUT
FROM 0.000 TO 93.320

29.03.2024

APPROVED

NOTES:

1. ALL PIPES TO BE PVC, CLASS B, STRUCTURED WALL CLASS 400 NORMAL DUTY PIPES TO SABS 1601, WITH WATERTIGHT JOINTS.
2. ALL SEWER PIPES TO BE CONNECTED TO THE MUNICIPAL OUTFALL SEWER.
3. PIPE LINE CONSTRUCTION TO BE IN ACCORDANCE WITH SABS 1200 DB, L, LB, LC, LD & LE.

SEWER LEGEND:

MT Utloa, Pr. Tech Eng
Reg No: 2018300271
15/05/2026

REV	DATE	REVISION
B	2026-05-12	ISSUED FOR CONSTRUCTION
A	2024-03-28	ISSUED FOR INFORMATION

KEBALEN Logistics Pty LTD.

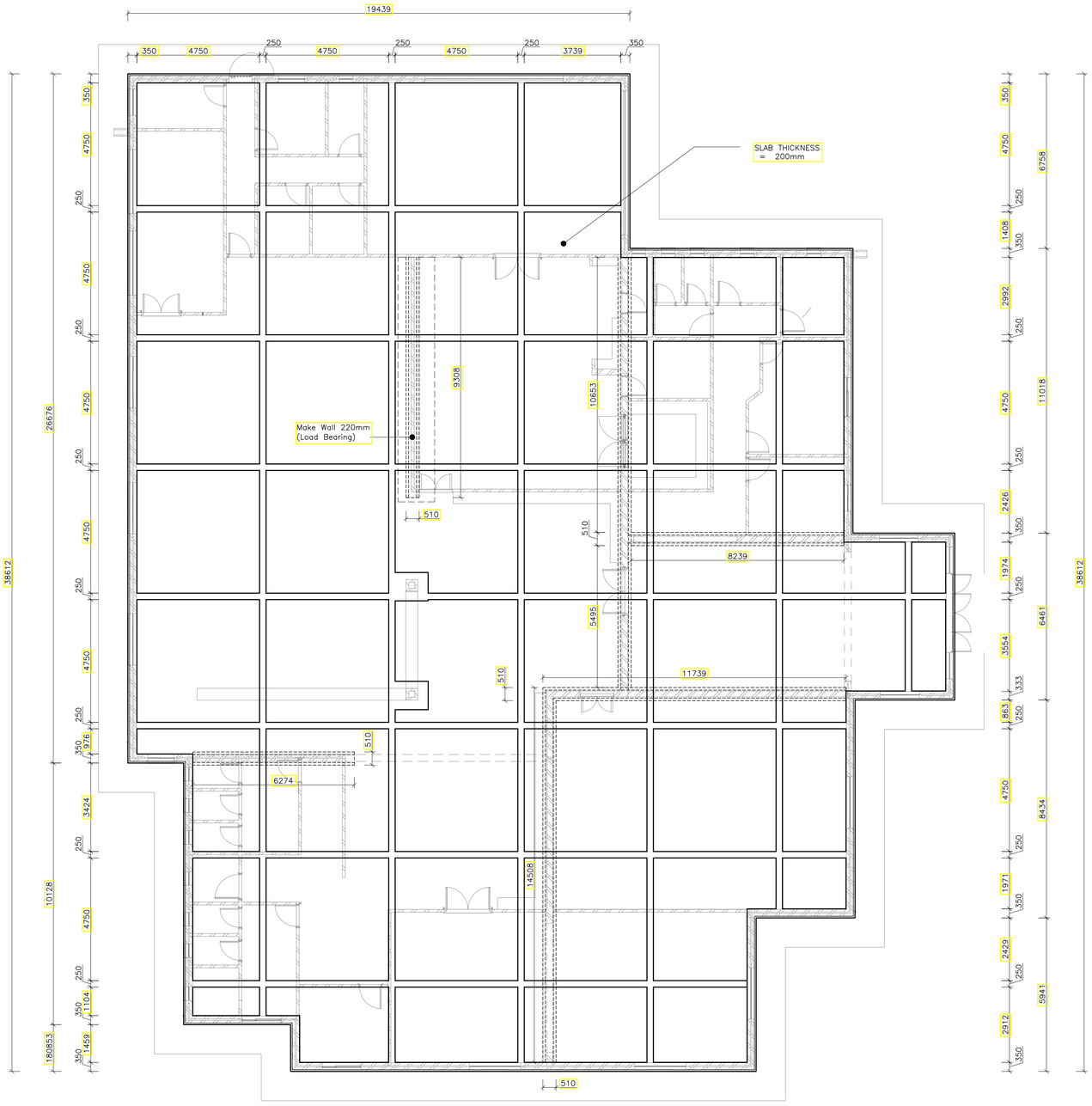
PROJECT
BODIBE COMMUNITY LIBRARY

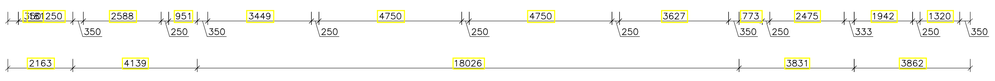
DESCRIPTION
SEWER LONGITUDINAL SECTIONS

DESIGNED	PU	SCALE	1:250
DRAWN	PU	DATE	MARCH 2024
CHECKED	TU	○ CONCEPT DRAWING ○ TENDER DRAWING ● CONSTRUCTION DRAWING ○ AS BUILT DRAWING	DRAWING STATUS

DRAWING No. MAK-002

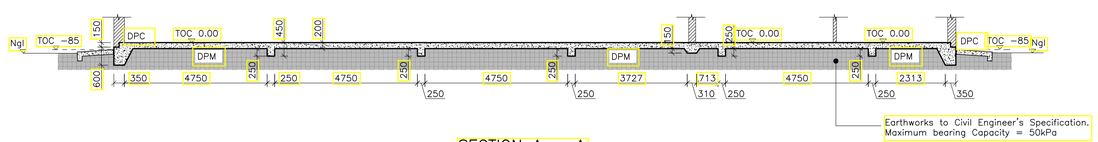
REVISION A B





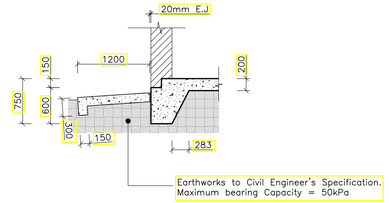
FOUNDATION: RAFT FOUNDATIONS BEAMS CONCRETE LAYOUT PLAN

Scale: 1:100



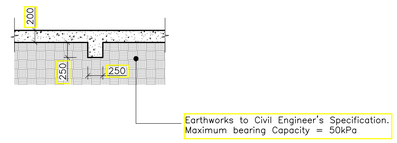
SECTION A – A

Scale: 1:100



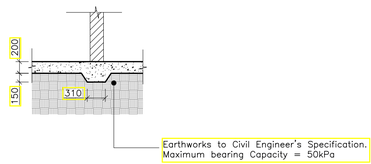
TYPICAL EDGE BEAM DETAIL

Scale: 1:50



TYPICAL INTERNAL BEAM DETAIL

Scale: 1:50



TYPICAL SLAB THICKENNING FOR
220mm WALL SUPPORT DETAIL

Scale: 1:50

N

MT Utloa, Pr. Tech Eng
Reg No: 2018300271
15/05/2026

GENERAL NOTES:

1. READ THE DRAWINGS IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, AND SERVICE DRAWINGS. ANY UNCERTAINTIES IN THE SPECIFICATIONS OR ON DRAWINGS MUST BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE. ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE DRAWING MUST BE REPORTED TO THE ENGINEER.
2. NO DEVIATION FROM THE DETAILS ON THE DRAWING WILL BE ALLOWED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
3. THESE DRAWINGS MAY NOT BE COPIED OR RE-USED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
4. IN GENERAL, CONCRETE (STRUCTURAL) SHALL COMPLY WITH SANS 1200-1982.

5. CONCRETE CLASS:

BLINDING LAYER	– CLASS C 15/19
STRIP FOOTINGS (BRICKWALLS)	– CLASS F 25/19
TRENCHES	– CLASS F 25/19

6. SURFACE FINISHES:

UNEXPOSED SURFACES	– ROUGH.
EXPOSED SURFACES	– SMOOTH.
UNFORMED SURFACES:	
TOP OF WALLS	– STEEL TROWELLED.
FLOORS OF TRENCHES	– WOOD FLOATED.
ENTRANCE RAMPS,	– WOOD FLOATED.

ALL EXPOSED SHARP CORNERS SHALL BE CHAMFERED AS FOLLOWS:
ALL CORNERS (EXCEPT WHERE OTHERWISE SHOWN) 25x25mm.

7. 50mm BLINDING LAYER UNDER ALL FOUNDATIONS.
8. CONCRETE COVER TO REINFORCEMENT: FOUNDATIONS – 50mm
9. ALL FOUNDATION EXCAVATIONS MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE PLACING OF REINFORCEMENT OR CASTING OF CONCRETE. IF THE FOUNDING LEVEL AS PER DRAWING IS NOT SUITABLE, FURTHER EXCAVATIONS SHALL BE DONE TO A DEPTH AS DETERMINED BY THE ENGINEER ON SITE. THE ENGINEER MAY INSTRUCT THAT CERTAIN EXCAVATIONS BE BACKFILLED WITH MASS CONCRETE TO REQUIRED LEVEL (CLASS AS PER ITEM5 ABOVE).
10. LAP AND ANCHORAGE LENGTH 50 x DIAMETER OF REINFORCEMENT.
11. AFTER PLACING, ALL REINFORCEMENT MUST BE CHECKED AND APPROVED BY THE ENGINEER ON SITE BEFORE CASTING OF CONCRETE.
12. NO HOLES OR NOTCHES SHALL BE CUT, CHIPPED OR FORMED IN CONCRETE UNLESS APPROVED BY THE ENGINEER.
13. DURING COLD OR WET WEATHER CONCRETE MUST BE HANDLED IN ACCORDANCE WITH SPECIFICATIONS.
14. REMOVAL OF SHUTTERING TO BE DONE IN ACCORDANCE WITH SPECIFICATIONS.
15. LOADINGS ON CONCRETE FIRST FLOOR SLABS MAXIMUM 100kg/m².

16. LOADING:

PERMISSIBLE BEARING PRESSURE:	
FOUNDATIONS WALLS	– 50Kpa (AS PER THE GEOTECHNICAL ENGINEERS REPORT).
NOMINAL IMPOSED FLOOR LOADS:	
FLOOR SLABS	– 3.0kN/m².

17. FOUNDING DEPTH :

ALL EXCAVATION DEPTHS TO BE AS PER THE CIVIL ENGINEER'S DESIGN.

WHERE CONDITIONS ARE NOT SUITED FOR A THE FOUDATION AN ALLOWANCE FOR IMPORTING OF SUITABLE MATERIAL TO BE PROVIDED FOR IN LINE WITH CIVIL ENGINEER'S DESIGN.

18. BACKFILL:

SELECTED FILL BENEATH SURFACE BEDS TO BE SELECTED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO 95% MOD. AASHTO DENSITY. FOUNDING LEVEL TO BE CONFIRMED BY THE ENGINEER.

DESIGN CONSULTANTS

KEBALEN Logistics Pty LTD.

426 Santa Maria Street
Silverwood Estate
Monavoni
0157

APPROVALS

DESIGNED BY	TM	DATE	26/03/24
DRAWN BY	RM	DATE	26/03/24
APPROVED BY	T. MOTHOA, Pr. Eng.	DATE	26/03/24
APPROVAL SIGNATURE			
PR. NUMBER	20130014		

REV ON.	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	26/03/24

CLIENT

idt independent development trust

Mafikeng Industrial
Mmabatho
2790E

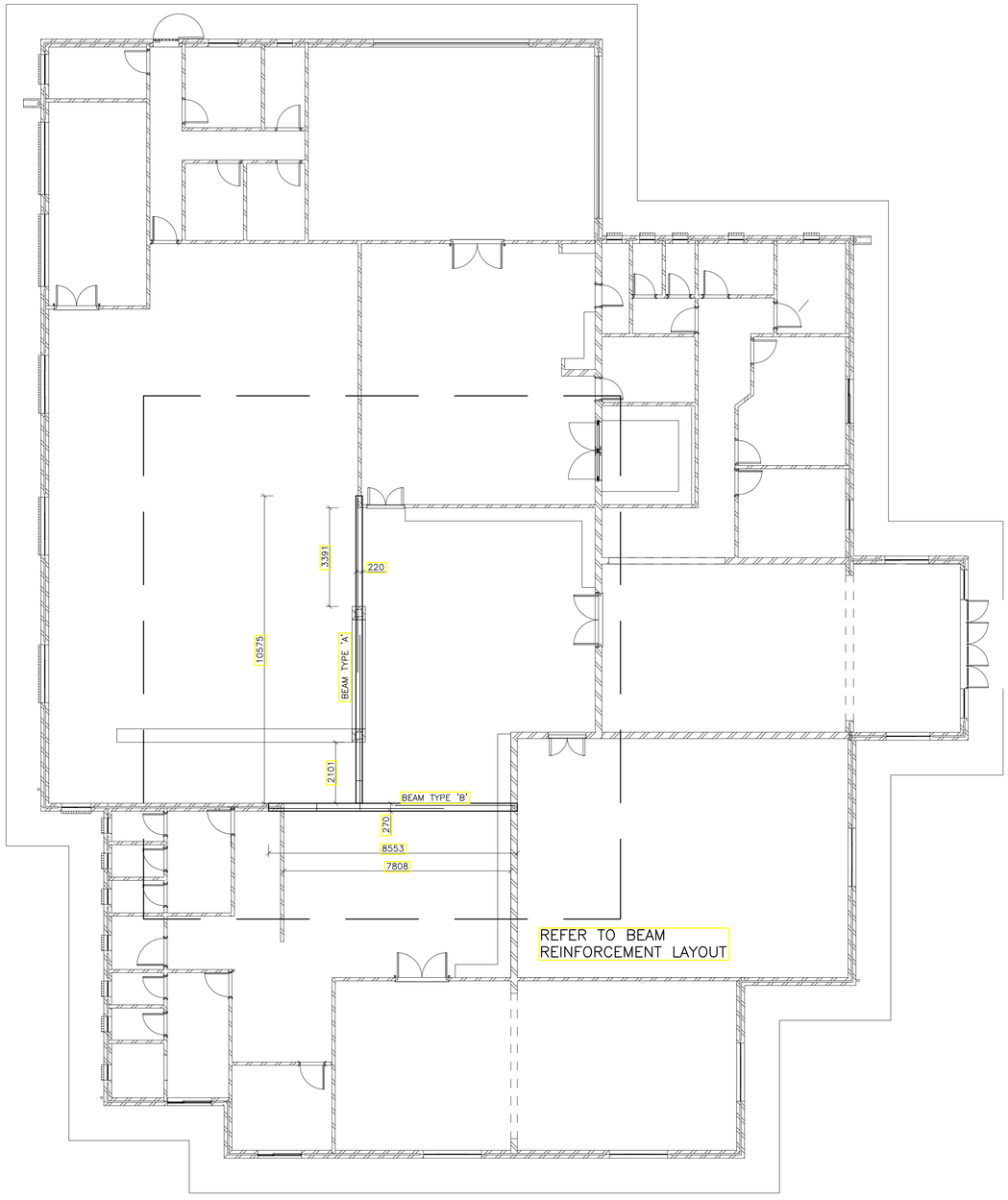
PROJECT TITLE

BODIBE LIBRARY
BODIBE VILLAGE

DRAWING TITLE

RAFT FOUNDATION BEAMS AND SLAB CONCRETE LAYOUT PLAN AND SECTIONS

PROJECT NUMBER		CONTRACT NUMBER	
IDTBL		---	
DRAWING STATUS		SCALE	SIZE
CONSTRUCTION		AS SHOWN	A1
ISSUED DATE	DRAWING NO.	SHEETS	REVISION
26/03/24	IDTBL/Str/C/01	1 OF 1	0

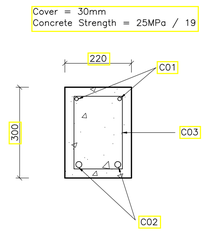


TYPICAL BEAM SECTION

Scale: 1:50

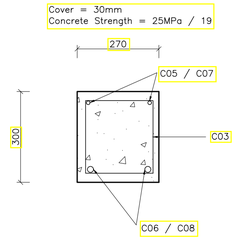
BENDING SCHEDULE

MEMBER	No. Of.	Bars per Member	Dia.	Length	Total No. of Bars	Mark	SC	A	B	C	D	E	r
BEAMS "A"	1	4	Y12	6210	4	C01	37	220	6000				
		4	Y20	6200	4	C02	37	220	6000				
		54	Y10	850	54	C03	60	240	160				
BEAMS "B"	1	6	Y12	4410	6	C03	37	220	4200				
		6	Y20	4400	6	C04	37	220	4200				
		2	Y12	6210	2	C01	37	220	6000				
		2	Y20	6200	2	C02	37	220	6000				
		42	Y10	950	42	C05	60	240	210				



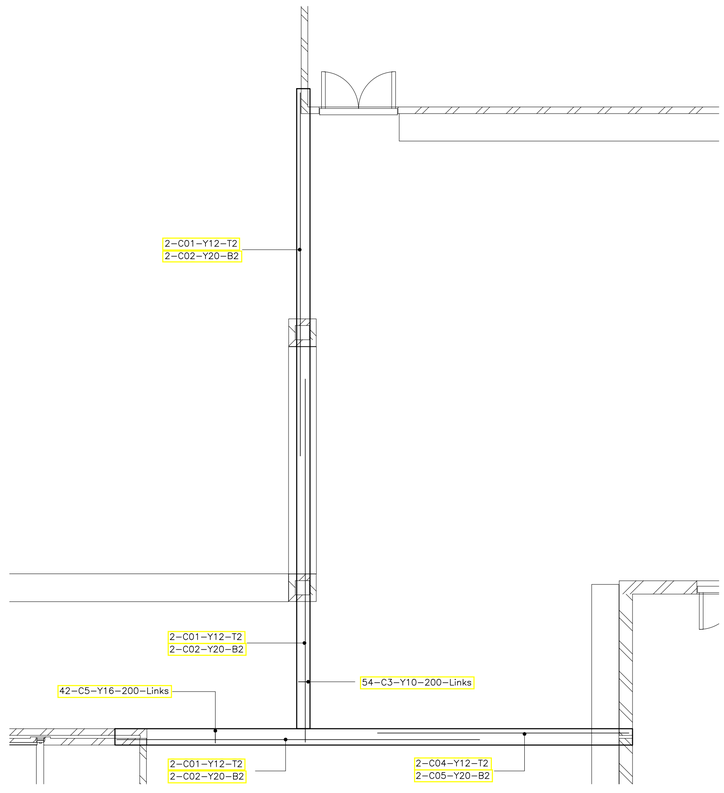
BEAM TTPE 'A' SECTION

Scale: 1:50



BEAM TTPE 'B' SECTION

Scale: 1:50



BEAMS REINFORCEMENT PLAN

Scale: 1:50

MT Utloa, Pr. Tech Eng

Reg No: 2018300271

15/05/2026

GENERAL NOTES:

1. READ THE DRAWINGS IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, AND SERVICE DRAWINGS. ANY UNCERTAINTIES IN THE SPECIFICATIONS OR ON DRAWINGS MUST BE REPORTED TO THE ENGINEER AS SOON AS POSSIBLE. ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE DRAWING MUST BE REPORTED TO THE ENGINEER.
2. NO DEVIATION FROM THE DETAILS ON THE DRAWING WILL BE ALLOWED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
3. THESE DRAWINGS MAY NOT BE COPIED OR RE–USED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.
4. IN GENERAL, CONCRETE (STRUCTURAL) SHALL COMPLY WITH SANS 1200–1982.

5. CONCRETE CLASS:

BLINDING LAYER	– CLASS C 15/19
STRIP FOOTINGS (BRICKWALLS)	– CLASS F 25/19
TRENCHES	– CLASS F 25/19

6. SURFACE FINISHES:

UNEXPOSED SURFACES	– ROUGH.
EXPOSED SURFACES	– SMOOTH.
UNFORMED SURFACES:	
TOP OF WALLS	– STEEL TROWELLED.
FLOORS OF TRENCHES	– WOOD FLOATED.
ENTRANCE RAMPS,	– WOOD FLOATED.

ALL EXPOSED SHARP CORNERS SHALL BE CHAMFERED AS FOLLOWS:
ALL CORNERS (EXCEPT WHERE OTHERWISE SHOWN) 25x25mm.

7. 50mm BLINDING LAYER UNDER ALL FOUNDATIONS.
8. CONCRETE COVER TO REINFORCEMENT: FOUNDATIONS – 30mm
9. ALL FOUNDATION EXCAVATIONS MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE PLACING OF REINFORCEMENT OR CASTING OF CONCRETE. IF THE FOUNDING LEVEL AS PER DRAWING IS NOT SUITABLE, FURTHER EXCAVATIONS SHALL BE DONE TO A DEPTH AS DETERMINED BY THE ENGINEER ON SITE. THE ENGINEER MAY INSTRUCT THAT CERTAIN EXCAVATIONS BE BACKFILLED WITH MASS CONCRETE TO REQUIRED LEVEL. (CLASS AS PER ITEM5 ABOVE).
10. LAP AND ANCHORAGE LENGTH 50 x DIAMETER OF REINFORCEMENT.
11. AFTER PLACING, ALL REINFORCEMENT MUST BE CHECKED AND APPROVED BY THE ENGINEER ON SITE BEFORE CASTING OF CONCRETE.
12. NO HOLES OR NOTCHES SHALL BE CUT, CHIPPED OR FORMED IN CONCRETE UNLESS APPROVED BY THE ENGINEER.
13. DURING COLD OR WET WEATHER CONCRETE MUST BE HANDLED IN ACCORDANCE WITH SPECIFICATIONS.
14. REMOVAL OF SHUTTERING TO BE DONE IN ACCORDANCE WITH SPECIFICATIONS.
15. LOADINGS ON CONCRETE FIRST FLOOR SLABS MAXIMUM 100kg/m².

16. LOADING:

PERMISSIBLE BEARING PRESSURE:
FOUNDATIONS WALLS – 50Kpa (AS PER THE GEOTECHNICAL ENGINEERS REPORT).

NOMINAL IMPOSED FLOOR LOADS:
FLOOR SLABS – 3.0kN/m².

17. FOUNDING DEPTH :

ALL EXCAVATION DEPTHS TO BE AS PER THE CIVIL ENGINEER'S DESIGN.

WHERE CONDITIONS ARE NOT SUITED FOR A THE FOUDATION AN ALLOWANCE FOR IMPORTING OF SUITABLE MATERIAL TO BE PROVIDED FOR IN LINE WITH CIVIL ENGINEER'S DESIGN.

18. BACKFILL:

SELECTED FILL BENEATH SURFACE BEDS TO BE SELECTED GRANULAR MATERIAL COMPACTED IN 150mm LAYERS TO 95% MOD. AASHTO DENSITY. FOUNDING LEVEL TO BE CONFIRMED BY THE ENGINEER.

DESIGN CONSULTANTS

APPROVALS

DESIGNED BY	TM	DATE	26/03/24
DRAWN BY	RM	DATE	26/03/24
APPROVED BY	T. MOTHOA, Pr. Eng.	DATE	26/03/24
APPROVAL SIGNATURE			
PR. NUMBER	20130014		

REV ON.	DESCRIPTION	DATE
0	ISSUED FOR CONSTRUCTION	26/03/24

CLIENT

PROJECT TITLE

BODIBE LIBRARY
BODIBE VILLAGE

DRAWING TITLE

ROOF BEAMS CONCRETE AND REINFORCEMENT LAYOUT PLAN AND SECTIONS

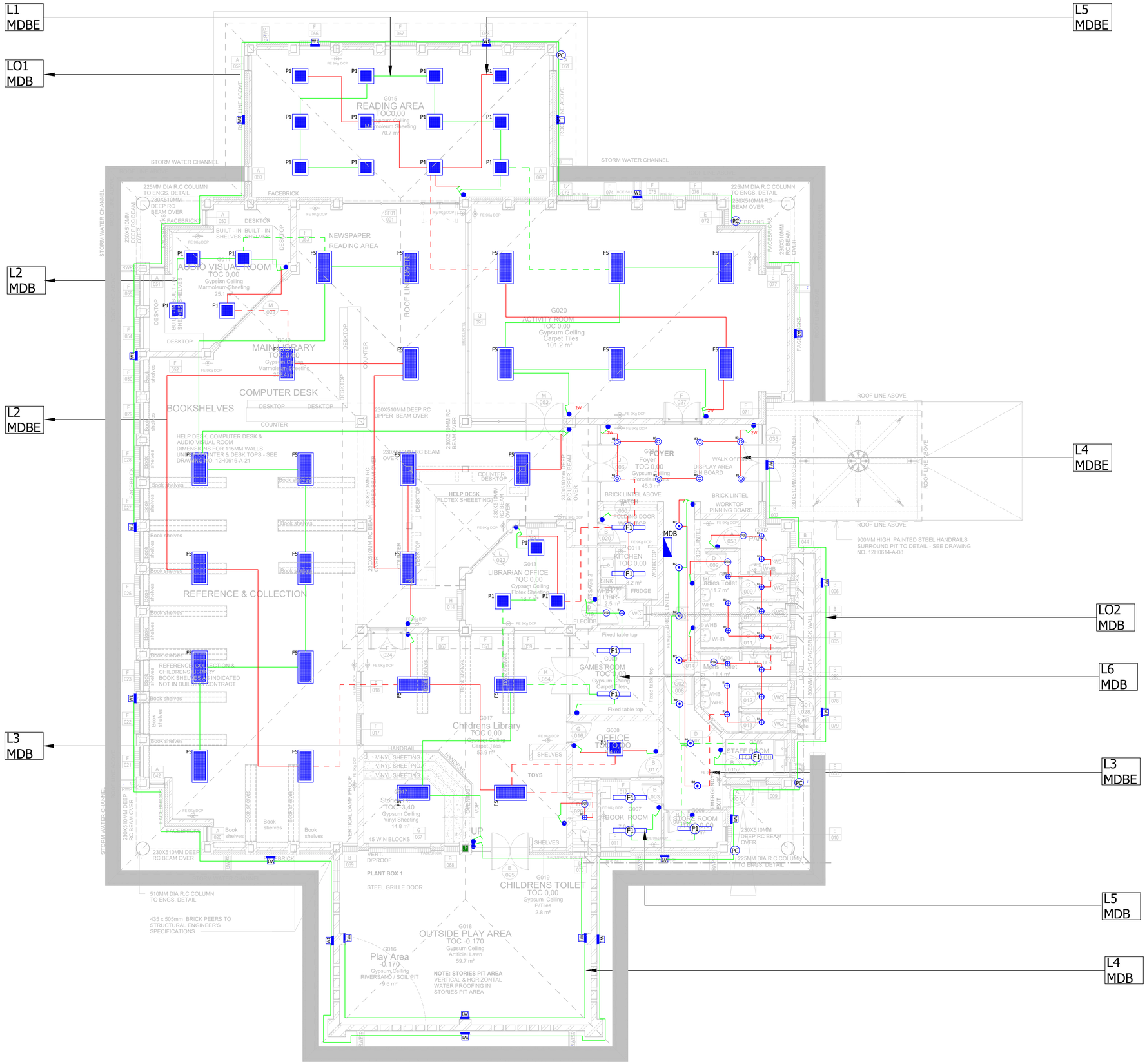
PROJECT NUMBER	CONTRACT NUMBER
IDTBL	– – –

DRAWING STATUS	SCALE	SIZE
CONSTRUCTION	AS SHOWN	A1

ISSUED DATE	DRAWING NO.	SHEETS	REVISION
26/03/24	IDTBL/Str/C/02	1 OF 1	0

ANNEXURE C

ELECTRICAL AND MECHANICAL DRAWINGS



ELECTRICAL LEGENDS

B3	B3 - LED 9W IP40 DOWNLIGHT LUMINAIRE
B4	10W LED CEILING BULKHEAD IP65 FITTING
P1	1 X 18W LED FLUORESCENT LUMINAIRE
P2	2 X 36W LED FLUORESCENT LUMINAIRE
P3	1 X 36W LED FLUORESCENT IP65 LUMINAIRE
P4	40W LED DECORATIVE BATTEN LUMINAIRE
F1	3 x 60W TUBES IN 1200x600MM LED FLUORESCENT LIGHT FITTING
F5	40W LED PANEL LUMINAIRE
WT	LED 1X12W OUTDOOR WALL BULKHEAD LUMINAIRE
	16A SINGLE LEVER SWITCH
2W	16A ONE-LEVER SWITCH TWO-WAY SWITCH
INT	16A SINGLE LEVER INTERMEDIATE SWITCH
2W	16A THREE LEVER 2-WAY SWITCH
PC	PHOTO CELL
	ELECTRICAL DISTRIBUTION BOARD

NOTES:

MDB - SUPPLIED FROM MAIN DISTRIBUTION BOARD ON NON-ESSENTIAL SECTION

MDBE - SUPPLIED FROM MAIN DISTRIBUTION BOARD ON ESSENTIAL SECTION

THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED SPECIFICATIONS.

DO NOT SCALE LENGTHS OF SLEEVE, CABLES ETC FROM DRAWINGS.

AC ISOLATORS TO BE INSTALLED ON THE RHS OF THE AC POSITIONS.

ALL SWITCHED SOCKET OUTLET AND LIGHT SWITCHES TO BE LABELED WITH CIRCUIT NUMBERS.

ANCILLARY EQUIPMENT FOR LUMINAIRES SUCH AS (RESISTORS, CAPACITORS AND TRANSFORMERS) SHALL BE ENCLOSED IN A LUMINAIRE AND ENCLOSURE.

DEDICATED SOCKET OUTLETS ARE THE ONLY SOCKET OUTLETS THAT NEED NOT PROTECTED BY EARTH LEAKAGE.

DO NOT SCALE LENGTHS OF SLEEVE, CABLES ETC FROM DRAWINGS.

FOR WIRING CONDUCTOR SIZE, REFER TO DB SCHEMATIC DIAGRAMS.

ALLOW 4 X 20MMØ & 4 X 25MMØ SPARE CONDUITS FROM EACH DB TO CEILING VOIDS (FLUSH MOUNTED DB'S).

CIRCUITING:
AC = AIR CONDITIONING
L = LIGHTING CIRCUIT
P = STANDARD SWITCHED SOCKET OUTLET
PE = DEDICATED/EMERGENCY SWITCHED SOCKET OUTLET
D = SPECIFIED DATAPOINT

Rev	Date	Drawn	Description
0	2024/03/26	O.M	ISSUED FOR INFORMATION
1	2026/05/11	O.M	ISSUED FOR TENDER

CLIENT

idt independent development trust

ARCHITECT

isagoarchitecture

PROJECT

CONSTRUCTION OF BODIBE COMMUNITY LIBRARY

DESCRIPTION

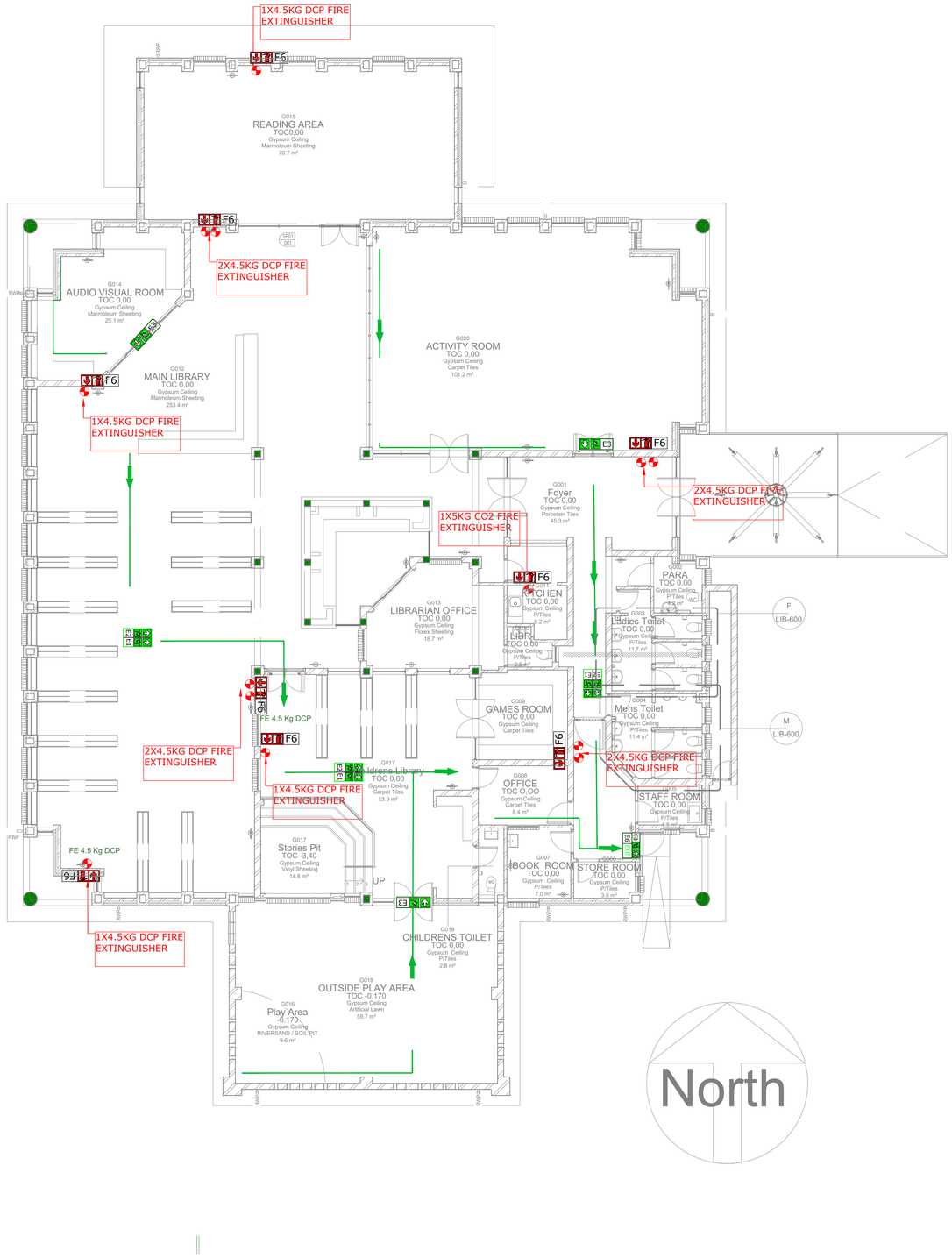
LIGHTING LAYOUT

ELECTRICAL CONSULTANTS

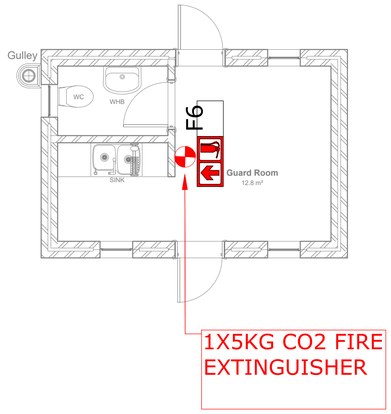
ARIONA ENGINEERING SERVICES.

DRAWN BY	DESIGNED BY	SENIOR ENGINEER	ECSA REG. NUMBER	SIGNATURE
O.M	O.M	M.K	20180557	

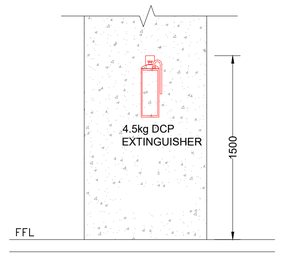
DRAWING NO:	26-03-2024	SCALE: 1:70	REV
BFN-EL-024-00			0



Ground Floor: Fire Design Layout
Scale 1:100



Guard House: Fire Design Layout
Scale 1:50



PLAN VIEW ELEVATION

TYPICAL FIRE EXTINGUISHER DETAIL
SCALE 1:25

OCCUPANCY - FIRE DESIGN SUMMARY SCHEDULE	
OCCUPANCY CLASSIFICATION	A3 - Place of instruction
FLOOR AREA	730 m2
POPULATION	146
NUMBER OF ESCAPE ROUTES	1
TYPE OF FIRE EQUIPMENT INSTALLED	12 x 4.5kg DCP, 1 x 5kg CO2 EXTINGUISHERS

General Notes:
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3. Figured dimensions are to be taken in preference to scaled measurements and large scale details drawings will supersede, small scale general layout drawings.
4. Contractors and subcontractors to check all dimensions and levels on site prior to any work being put in hand.
5. All work on site is to conform to good building practice and all relevant national codes and standards.
6. The master held at Ariona Engineering services bears the original signature of approval.

Revisions:

No.	Date	Revisions	Drawn
A	2024/05/03	Issued for information	NN
B	2024/05/06	Updated Architectural Layouts	NN
C	2024/06/11	For Tender	NN
D	2025/05/06	Updated Architectural Layouts	NN
E	2026/05/13	Re-Issued For Tender	NN
F	2026/08/28	For Council Approval	NN

Reference Drawings:

Dwg No.	Description
2406-ARCH-00-library floor plan	Architectural Drawing

FIRE DRAWING LEGEND	
SYMBOL	DESCRIPTION
	4.5kg DCP FIRE EXTINGUISHER
	9kg DCP FIRE EXTINGUISHER
	30m PVC FIRE HOSE REEL
	65mm RIGHT-ANGLE FIRE HYDRANT
	BOOSTER CONNECTION
R	RISER
MCP	MANUAL CALL POINT
	SMOKE DETECTOR
	HYDRANT MAIN SUPPLY (Ø75-Ø100)
	FIRE HOSE REEL SUPPLY (Ø25-Ø60)
	30 MINUTE FIRE RATED WALL
	60 MINUTE FIRE RATED WALL
	90 MINUTE FIRE RATED WALL
	120 MINUTE FIRE RATED WALL
	WATER SUPPLY
A	CLASS A 60min SELF CLOSING FIRE DOOR
B	CLASS B 120min SELF CLOSING FIRE DOOR
C	CLASS C 120min FIRE DOOR
D	CLASS D 120mm 27 KG BLAST RESISTANT FIRE DOOR
E	CLASS E 30min FIRE DOOR
F	CLASS F 30min FIRE DOOR
L	2 HOUR FIRE RATED LIFT DOOR WITH SMOKE SEAL BETWEEN LEAVES
W	A 60 min FIRE WINDOW
	DIRECTIONAL ARROW
	FHR - FURTHEST POINT - METERS
	MANUAL CALL POINT
	FIRE ALARM & FLASHING BEACON

Project Name:
Bodibe Library

Project Description:
Fire protection ground floor

Project Service:
Mechanical - Fire protection layout

Client:

Independent Development Trust

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Consultants:

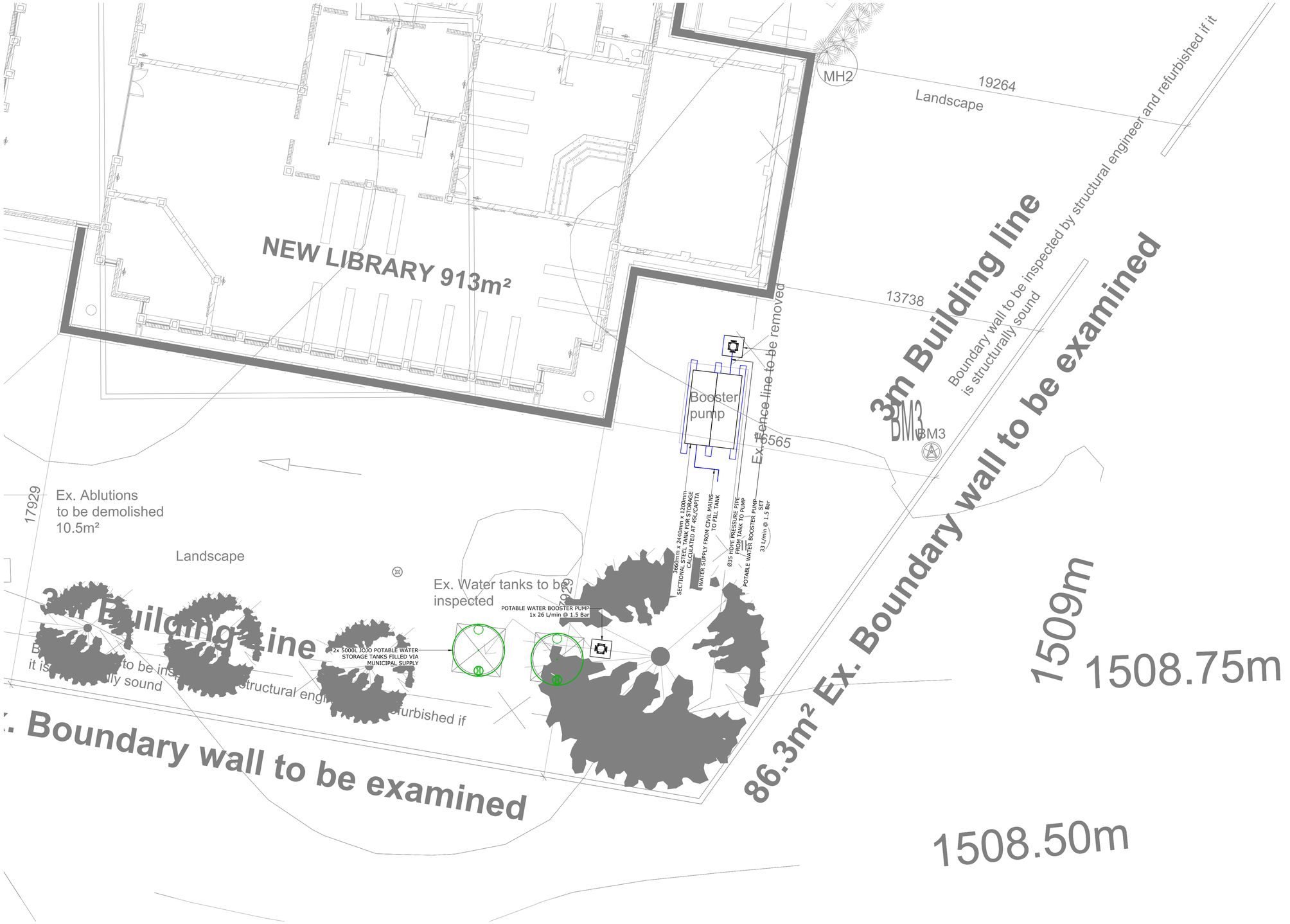
Ariona Engineering Services Pty (Ltd)

Drawing Issued:
For Council

Consultant Approval:
Zahra Deedat
ECSA No.: 202503937
Date: 02/09/2026

Drawing Details:
Ground Floor - Fire Protection Layout

Drawing Number: 2406-FIRE-LYT-01-01
Date: 2026/08/28
Rev No.: F
Scale: 1:100
Paper Size: A1
Drawn: NM
Checked: ZD
Client :
Date:
COUNCIL APPROVAL SIGNOFF :



01 - Site Plan: Water Reticulation Layout
Scale 1:100

02 - Site Plan: Equipment Schedule
Scale: N.T.S

General Notes:

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Revisions:

No.	Date	Revisions	Drawn
A	2024/03/27	Issued For Information	M.R
B	2024/06/11	For Tender	M.R
C	2024/06/11	For Tender	M.R
D	2025/05/22	Updated SDP	N.M
E	2026/05/13	Issued For Tender	N.M
F	2026/08/31	Issued For Council Approval	N.M

Reference Drawings:

Dwg No.	Description
000	Site Plan

HOT WATER RETURN
COLD WATER SUPPLY
HOT WATER SUPPLY

Project Name:
Bodibe Library

Project Service:
Mechanical: Wet Services

Client:

Consultants:

Drawing Issued:
For Council Approval

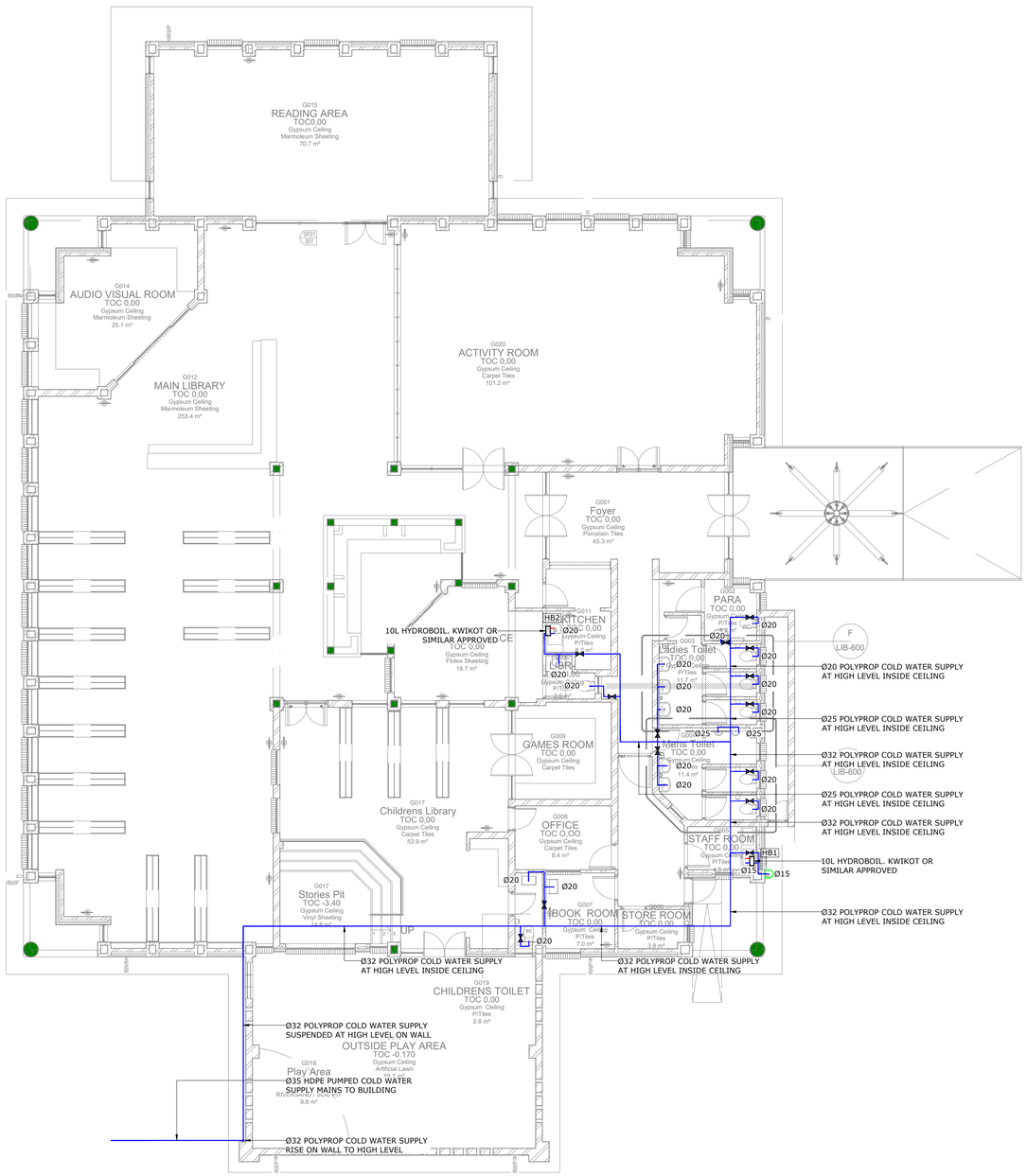
Consultant Approval:

Zahra Deedat
ECSA No.: 202503937
Date: 02/09/2026

Drawing Details:
Site Plan:
Water Reticulation Layout

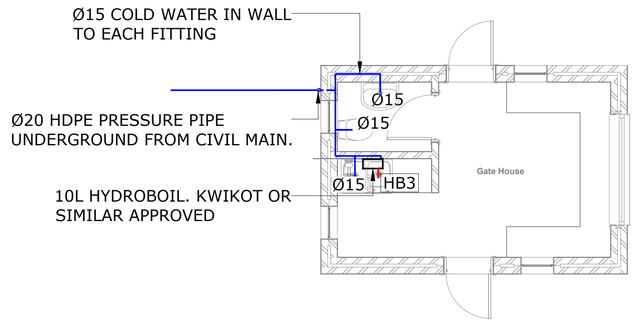
Drawing Number:
2406-WETS-LYT-01-02

Date			Rev No.:
2026/08/31			F
Scale: 1:100	Paper Size: A1	Drawn: N.M	Checked: Z.D
Client :		Date:	
COUNCIL APPROVAL SIGNOFF :			



01 - Ground Floor Plan: Water Reticulation Layout

Scale 1:100



02- Gaurd House: Water Reticulation Layout

Scale 1:50

Equipment Schedule

ID	Description	Area	Service	Capacity	Power Input	Phase	Amp	Operation	Quantity	Mass	Plan Dimensions
PU1	Domestic Water Pump	Plant Area	WETS	33L/min @ 1.5 Bar	1.50 kW	1	T.B.C	Duty/Standby	1	As Per Manufacturer	As Per Manufacturer
WT01	Water Storage Tank	Plant Area	WETS	10 000L	-	-	-	-	1		3660 x 2440
HB1	10L Overcounter Hydroboil	Staff Area	WETS	10L	1.80 kW	1	-	Duty	1	6.5kg (dry) 10.7kg (wet)	275x365
HB2	10L Overcounter Hydroboil	Kitchen	WETS	10L	1.80 kW	1	-	Duty	1	6.5kg (dry) 10.7kg (wet)	275x365
PU2	Submersible Borehole Pump	Borehole	WETS	90L/min @ 3 Bar	0,75 kW	1	-	Duty	1	12kg	0,654 (L) Ø99
CP1	Control Panel/Water Pump	Borehole	WETS	-	2 kW	1	-	Duty	1	15kg	300x400x200
PU3	Domestic Water Pump	Plant Area	WETS	26L/min @ 1.5 Bar	1.5 kW	1	-	Duty	1	As per Manufacture	As per Manufacture
CP2	Control Panel Borehole Pump	Borehole	WETS	-	2 kW	1	-	Duty	1	15kg	300x400x200
CP3	Control Panel Water Pump	Plant Area	WETS	-	2 kW	1	-	Duty	1	15kg	300x400x200

03 - Ground Floor Plan: Equipment Schedule

Scale: N.T.S

General Notes:

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Revisions:

No.	Date	Revisions	Drawn
A	2024/03/27	Issued For Information	M.R
B	2024/05/03	Revised to Latest Architecture	M.R
C	2024/06/11	For Tender	M.R
D	2025/05/22	UPDATED SDP	N.M
E	2026/05/13	Issued For Tender	N.M
F	2026/08/31	Issued For Council	N.M

Reference Drawings:

Dwg No.	Description
001	Ground Floor

HOT WATER RETURN
COLD WATER SUPPLY
HOT WATER SUPPLY

Project Name:
Bodibe Library

Project Service:
Mechanical: Wet Services

Client:

Consultants:

ARIONA ENGINEERING SERVICES.

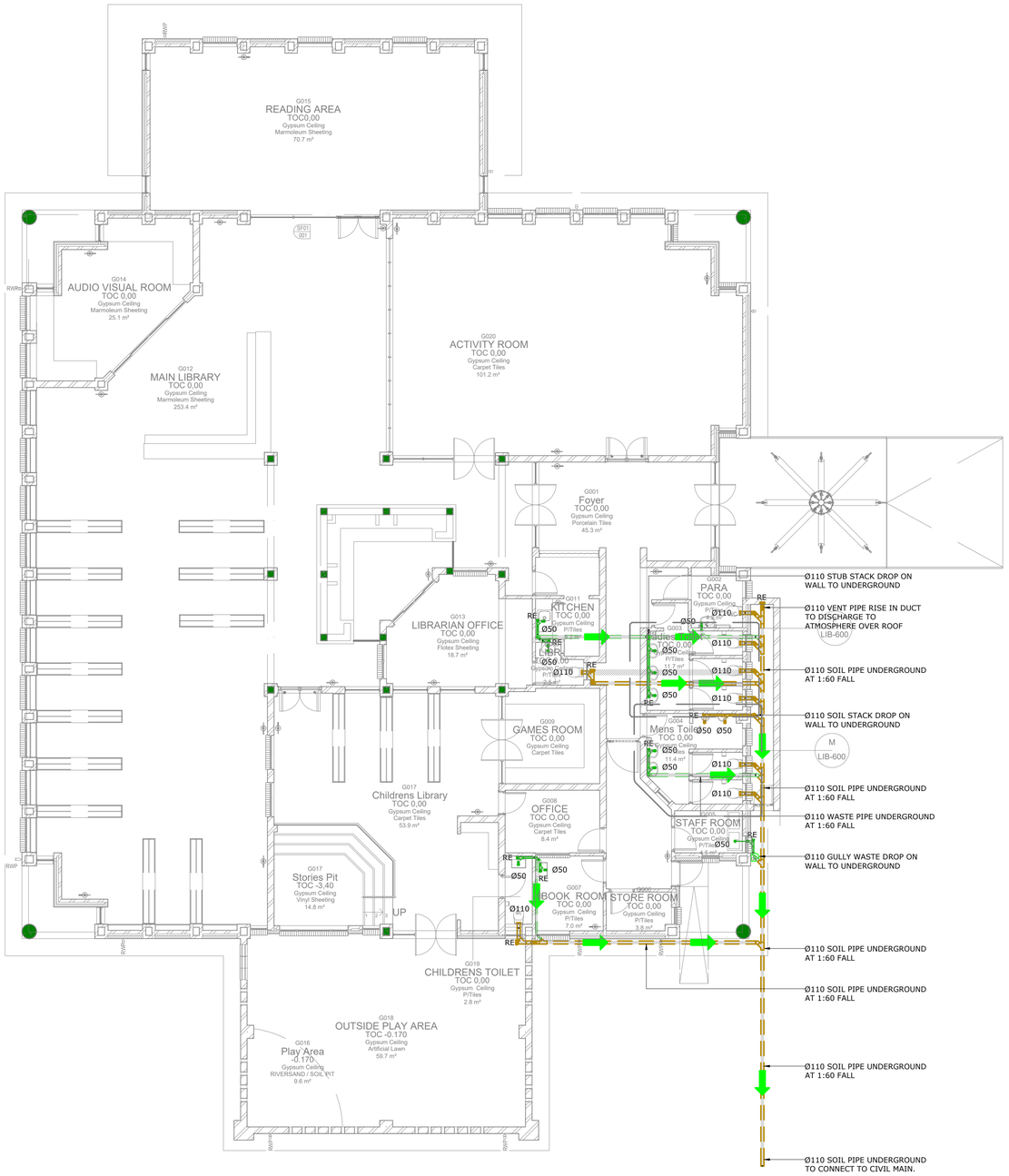
Drawing Issued:
For Council Approval

Consultant Approval:

Zahra Deedat
ECSA No.: 202503937
Date: 02/09/2026

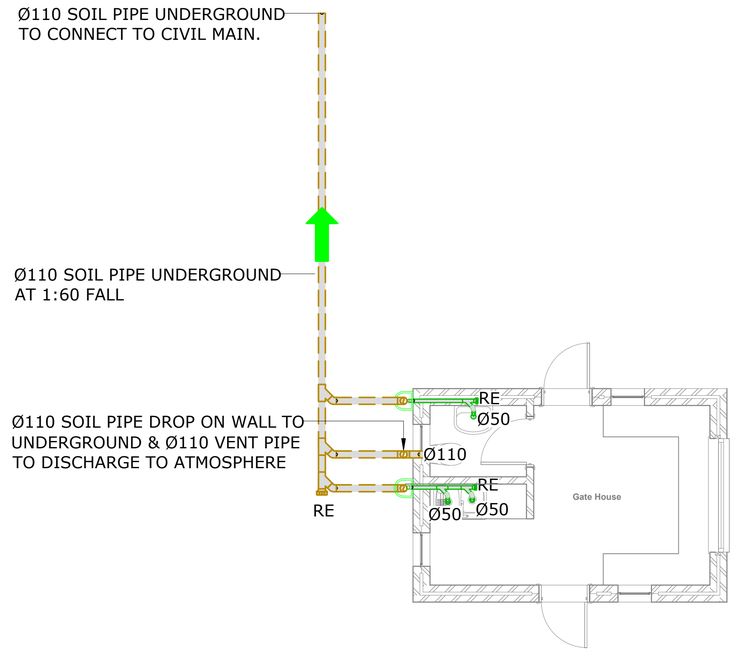
Drawing Details:
Ground Floor Plan:
Water Reticulation Layout

Drawing Number: 2406-WETS-LYT-01-01			
Date: 2026/08/31			Rev No.: F
Scale: 1:100	Paper Size: A1	Drawn: N.M	Checked: Z.D
Client :		Date:	
COUNCIL APPROVAL SIGNOFF :			



01 - Ground Floor Plan: Water Reticulation Layout

Scale 1:100



02 - Guard House: Water Reticulation Layout

Scale 1:100

General Notes:

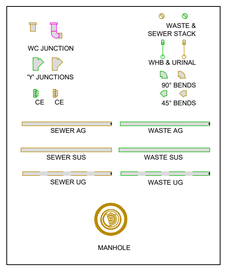
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Revisions:

No.	Date	Revisions	Drawn
A	2024/03/27	Issued For Information	M.R
B	2024/05/03	Revised to Latest Architecture	M.R
C	2024/06/11	For Tender	M.R
D	2024/06/11	For Tender	M.R
E	2024/06/11	For Tender	N.M
F	2024/06/11	For Tender	N.M

Reference Drawings:

Dwg No.	Description
001	Ground Floor



Project Name:
Bodibe Library

Project Service:
Mechanical: Wet Services

Client:

Consultants:

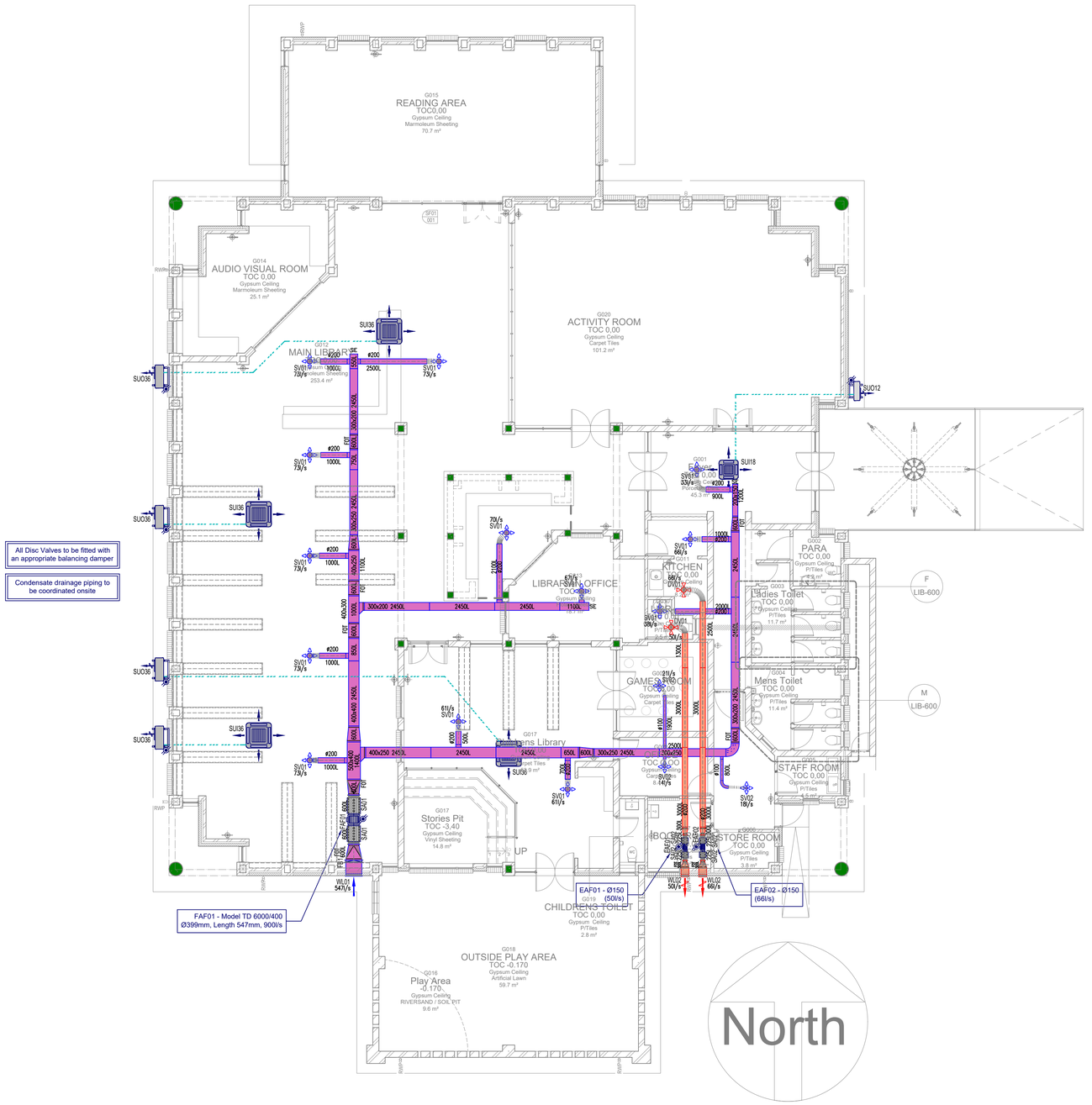
Drawing Issued:
For Council Approval

Consultant Approval:

Zahra Deedat
ECSA No.: 202503937
Date: 02/09/2026

Drawing Details:
Ground Floor Plan:
Drainage Reticulation Layout

Drawing Number: **2406-WETS-LYT-02-01**			
Date: 2026/08/31			Rev No.: F
Scale: 1:100	Paper Size: A1	Drawn: N.M	Checked: Z.D
Client :		Date:	
COUNCIL APPROVAL SIGNOFF :			



CODE	TYPE	SIZE	Power (W)	Max Current	Phase	Operation	Control	Mass(Kg)	Plan Dimensions
SUI36	Cassette Unit	36000Btu	4085	18,5	1	Duty	Local	1,423	950x950x55mm
SUI18	Cassette Unit	18000Btu	1643	8	1	Duty	Local	1,5	647x647x50mm
FAF01	Fresh Air Fan	900l/s	665	2,97	1	Duty	Via DB	26	Ø399mm
EAF01	Extraction Air Fan	50l/s(low pitch)	44	0,22	1	Duty	Via DB	2,7	Ø147mm
EAF02	Extraction Air Fan	66l/s(high pitch)	67	0,3	1	Duty	Via DB	2.7	Ø147mm

GROUND FLOOR - HVAC DESIGN LAYOUT
Scale 1:100

0 1 2 3 4 5 10 20
METERS

Filter Bank Schedule			
Code	Type	Size	Quantity
FB 1	Filter Bank	600x400	1

Fan Schedule			
Code	Type	Size	Quantity
FAF01	Fresh Air In-line Tube Fan	Ø400	1
EAF01	Extract Air In-line Tube Fan	Ø147	1
EAF02	Extract Air In-line Tube Fan	Ø147	1

Sound Attenuator Schedule			
Code	Type	Size	Quantity
SA01	600 Long Circular SA	Ø400	2
SA02	225 Long Circular SA	Ø150	4

Split Unit Schedule			
Code	Type	Btu	Quantity
SUI18	Ceiling Cassette AC Unit	18000	1
SUI36	Ceiling Cassette AC Unit	36000	4

Outdoor Condensing Unit Schedule			
Code	Type	Type	Quantity
SUO12	Split Outdoor Condensing Unit	12000	1
SUO36	Split Outdoor Condensing Unit	36000	4

Terminal Schedule					
Code	Type	Size	Heater	Spigots Ø	Quantity
DV01	EA Valve	Ø200	-	200	2
SV01	SA Valve	Ø200	-	200	13
SV02	SA Valve	Ø100	-	100	3
WL01	FA Louvre	450X450	-	-	1
WL02	EA Louvre	150x150	-	-	2

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Revisions:

No.	Date	Revisions	Drawn
A	2024/03/27	For Information	MM
B	2024/05/07	For Information	MM
C	2024/06/11	For Tender	MM
D	2025/05/22	Updated SDP	MM
E	2026/05/13	**Issued For Tender**	NM
F	2026/09/01	Issued For Council Approval	NM

Project Name:
BODIBE LIBRARY

Project Description:
BODIBE LIBRARY

Project Service:
MECHANICAL - HVAC INSTALLATION

Client:

Note: This drawing is property of Independent Development Trust (IDT) and may not be copied or reproduced in whole or part without written permission from duly authorized parties.

Consultants:

ARIONA ENGINEERING SERVICES

Drawing Issued:
For Council Approval

Consultant Approval:

Drawing Details:
GROUND FLOOR - DESIGN LAYOUT

Drawing Number:
2406-HVAC-LYT-01-01-RF

Date	Rev No.:
2026/09/01	F

Scale:	Paper Size:	Drawn:	Checked:
1:100	A1	MM	ZD

C4 SITE INFORMATION

C4.1 Site Information

1) DESCRIPTION OF THE WORKS

1.1 THE SITE

The site is in Bodibe Village. The central coordinates of the site is 26°03'37.1"S 25°51'39.4"E with an elevation from mean sea level of about 1126 m.

.

1.2 WORK AREA

Employer shall make available a work site, free of charge, to the Contractor for the duration of the Contract. The location of the site will be pointed out by the Principal Agent during the site clarification meeting. The Contractor shall submit a site layout plan indicating the proposed working areas, storage, stock piling area, amongst others before for approval by the Project Manager before establishing on site.

The contractor

a. shall take responsibility to locate all buried services prior to excavating
b. is responsible for providing his own equipment in order to determine the location of existing services.
c. is to ensure the protection and integrity of all existing services exposed and encountered through the course of construction activities.
d. must inform the relevant service provider immediately (within 2 hours of incident) such that procedures for the reinstatement of the service can be affected, should he damage or break an existing service (whether known or unknown).

1.3 ACCESS

The Contractor and the Principal Agent shall agree on the exact location for the temporary access.

1.4 GENERAL - Restrictions on site

The construction will happen whilst the rest of the facilities are operational, and the contractor is expected to plan his activities to ensure minimum disturbances to the operations. Proper barricading must be in place around the working areas and Contractor is to ensure full compliance to occupational, health and safety policies and Acts. The Contractor is to seek confirmation from the Principal Agent before any site establishment.

Contractor to also make use of the decanting plan provided for decanting purposes.

ADDENDUM A

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

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

_____

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

_____

2. Principal contractor's compensation registration number: _____

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

_____

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

_____

4.(a) Name and postal address of designer(s) for the project:

_____

(b) Name and tel. no of designer(s) contact person:

_____

5. Name and telephone number of principal contractor's construction supervisor on site appointed in terms of regulation 6.(1). _____

6. Name/s of principal contractor's sub-ordinate supervisors on site appointed in terms of regulation 6.(2).

_____

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

_____

8. Nature of the construction work:

_____

_____

_____

9. Expected commencement date: _____

10. Expected completion date: _____

11. Estimated maximum number of persons on the construction site.

12. Planned number of contractors on the construction site accountable to principal contractor:

13. Name(s) of contractors already chosen.

Principal Contractor _____ Date _____

Client _____ Date _____

- THIS DOCUMENT IS TO BE FORWARDED TO THE OFFICE OF THE DEPARTMENT OF LABOUR **PRIOR TO COMMENCEMENT** OF WORK ON SITE.

- **ALL PRINCIPAL CONTRACTORS** THAT QUALIFY TO NOTIFY MUST DO SO EVEN IF ANOTHER PRINCIPAL CONTRACTOR ON THE SAME SITE HAD DONE SO PRIOR TO THE COMMENCEMENT OF WORK.

ADDENDUM B

Occupational Health and Safety Specification

THE ADDITIONS AND RENOVATIONS TO NIETVERDIEND 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)
Glenwood Office Park
Cnr. Oberon and Sprite Street
Faerie Glen
Pretoria
0182

Ecorite Consultants (Pty) Ltd
My green,Your green, Our green

ECORITE CONSULTANTS

The proposed Library in Bodibe Community in North West

dpwr
Department:
Public Works and Road
North West Provincial Go
Republic of South Africa

idt
independent development trust

isagoarchitecture

CONSTRUCTION OF PROPOSED LIBRARY IN BODIBE COMMUNITY IN NORTHWEST PROVINCE

EXECUTIVE SUMMARY

Ecorite is appointed to perform work of an occupational health and safety (ohs) for the construction of construction of Bodibe community library in Northwest Province in terms of regulation 4 of the construction regulations 2014 to undertake occupational health and safety services planning scope at Bodibe village.

All construction and maintenance activities can subject workers to levels of Occupational stressors and safety factors, e.g.,Egornomics, noise,heat stress, hazardous chemical Agents, fumes, revolving motor machinery, tools, moving vehicles, electricity and Public Including occupants of neighboring buildings which permanently harm the health and physical wellbeing of persons at work and greatly reduce productivity. The Occupational Health and Safety Act of 1993, and its relevant regulations, require employers to conduct surveys of the actual situation at every site. Measurements must be taken and the identified problems addressed by the employer. Improved conditions therefore ensures better worker morale, loyalty and greater productivity.

SCOPE OF WORK:

CONSTRUCTION OF BODIBE COMMUNITY LIBRARY IN NORTHWEST PROVINCE

PROJECT OBJECTIVES

- To provide library and reading services to the local community of Bodibe.
- To contribute to Infrastructure development within the area of Bodibe village

LIBRARY OBJECTIVES

- Beacon of knowledge, learning, and community engagement.
- It serves as a sanctuary for individuals seeking intellectual nourishment, where the written word is revered and celebrated.
- Bodibe Library will be a haven where individuals of all ages, backgrounds, and socioeconomic statuses can come together to explore, discover, and grow

Therefore Ecorite Consultants on behalf of client appointed by Isago Architecture has therefore prepared the below **Baseline risk management processes**, **Project SHE Specification**, **Project risk profile, Project Safety bill of quantities, Determination of project Timelines, Feasibility study and Proposed Contractors SHE File index** which must be provided and adhered to by Principal Contractor by means of a Health and Safety File, Plan and Health and Safety Compliance on the project with the objective to ensure that Principal Contractor entering into a contract with client achieves and maintains an acceptable level of occupational health and safety performance and compliance.

This Occupational Health & Safety (OHS) documentation are developed by the Ecorite OHS consultants for the sole use by Independent Development Trust in construction Bodibe Community Library at Northwest Province.

CONSTRUCTION OF PROPOSED LIBRARY IN BODIBE COMMUNITY IN NORTHWEST PROVINCE - PROJECT TIME FRAME

Occupational Health and Safety	Start Date	End Date	Duration	Comments
Stage 1 (Inception)	Jan 03, 2024	Jan 03, 2024	15 days	Site visits and status report
	Jan 09, 2024	Feb 12, 2024	3 Days	Meeting and Presentation
	Feb 13, 2024	Feb 24, 2024	10 days	Feasibility Study Report preparation and presentation
Stage 2 (Concept and feasibility)	Feb 13, 2024	March 10, 2024	10 days	Assessment and analysis of potential risks attached to the project
	March 10, 2024	March 10, 2024	10 days	Development of a project specific Health and Safety specification for the project
	March 10, 2024	March 10, 2024	10 days	Preparation of a Project Baseline Risk Assessment
Stage 3 (Design Development)	February 01, 2024	March 10, 2024	10 days	Revise, update and finalize project specific Health and Safety specification for the project
	February 01, 2024	March 10, 2024	10 days	Revise, update and finalize project of a Project Baseline Risk Assessment
	February 01, 2024	March 10, 2024	10 days	Finalize construction project health and safety project risk and agree on the format of health and safety file
Stage 4 (Documentation and Procurement)	February 01, 2024	March 10, 2024	5 days	Evaluation and approval of the contractor's Health and Safety Plan
	March 10, 2024	March 10, 2024	5 days	Evaluation and approval of the contractor's Health and Safety File
	March 10, 2024	March 10, 2024	30 days	Department of Employment and Labor Notification and CWP application
Stage 5 (Construction Management)	20 April, 2024	25 June, 2025	356 days	Monitoring audits,
	20 April, 2024	25 June, 2025	356 days	Attending progress meetings for presentation of audit report.
	20 April, 2024	25 June, 2025	5 days	Incident investigations due to construction work undertaken
Stage 6 (Hand over)	25 July, 2025	July 20, 2025	20 days	Close out documentation preparation and evaluation
Stage 7 (Close out)	04 August, 2025	30 August, 2025	30 days	final audit report and submission of close out report

HEALTH, SAFETY AND ENVIRONMENTAL FILE INDEX - CONSTRUCTION OF PROPOSED LIBRARY IN BODIBE COMMUNITY IN NORTHWEST PROVINCE

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PROJECT: BODIBE

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dpwr Department: Public Works and Road North West Provincial Go Republic of South Africa

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HEALTH, SAFETY AND ENVIRONMENTAL BILL OF QUANTITY

No	Payment	Description	Unit	Quantity	Rate	Total
	SANS 1200A	**Section 8: OHS Compliance**				
IN00	**CR 7(1) (a). H&S Spec**	Safety file	Sum	1	R 20 000,00	R 20 000,00
IN01	**GSR 3(2). H&S Spec**	First aid boxes	No	3	R 5 000,00	R 15 000,00
IN02	**GSR 4. CR 29**	Fire Extinguishers signs	No	30	R 300,00	R 9 000,00
IN03	**Medicals**	Medicals pre-employment and exit	No	100	R 5 00,00	R 50 000,00
IN04	**CR30**	Shadding net for an eating area (Green net 5m long)	No	2	R 15 000,00	R 30 000,00
IN05	**H&S SPEC (g). CR 7(6). GSR 2**	Working area (netting droppers 1.4m)	Sum	1	R 600,00	R 21 600,00
IN06		Hard hats	No	50	R 150,00	R 7 500,00
IN07		Gum boots	No	20	R 600,00	R 12 000,00
IN08		Safety boots	No	50	R 700,00	R 35 000,00
IN09		Gloves (General and Skilled activities)	No	300	R 100,00	R 30 000,00
IN10		Googles	No	300	R 50,00	R 15 000,00
IN11		Earplugs	No	200	R 20,00	R 4 000,00
IN12		Safety Harnesses	No	6	R 700,00	R 4 200,00
IN13		Sun-block hats	No	50	R 150,00	R 7 500,00
IN14		Dust mask	No	400	R 20,00	R 8 000,00
IN15	**H&S SPEC..GSR(2B)**	Construction Safety Board	No	6	R 1 500,00	R 9 000,00
IN16		Fire extinguisher	No	10	R 1 500,00	R 15 000,00
IN17		Assembly Point (440 x 440 mm)	No	2	R 1 500,00	R 3 000,00
IN18		Luminous high visibility safety vests	No	100	R 70,00	R 7 000,00
IN19		Legislations and regulations	No	12	R 450,00	R 5 400,00
IN20		Toilets information signs (male and female)	No	8	R 50,00	R 4 00,00
IN21		Eating area information Sign, Information boards for safety awareness	No	5	R 300,00	R 1 500,00
IN22		Escape routes/ evacuation	No	20	R 50,00	R 1 000,00
IN23		Scaffold safe/unsafe use	No	12	R 200,00	R 2 400,00
IN24		No smoking and smoking signs with danger smoking information	No	4	R 100,00	R 4 00,00
IN25	**H&S Training**	SHE rep Training	Sum	4	R 1 000,00	R 4 000,00
IN26		First aid level 1,2,3 training	Sum	2	R 1 600,00	R 3 200,00
IN27		Scaffolding supervisor training	Sum	2	R 1 500,00	R 3 000,00
IN28		Working at heights training	Sum	6	R 1 500,00	R 9 000,00
IN29		Risk assessment analyses training	Sum	4	R 1 500,00	R 6 000,00
IN30		Temporary works (Shutter hands) training	Sum	4	R 1 500,00	R 6 000,00
IN31		Primary Health Care Programme (HIV and AIDS, Tuberculosis, Nutrition/ Diabetes, Hypertension)	Sum	10	R 1 000,00	R 10 000,00
IN32	**H&S SPEC(18).CR**	Construction safety Information board	No	1	R 10 000	R 10 000,00
IN33		Emergency Alarm	No	2	R 600, 00	R 1 200,00
IN34		Barricading(use orange netting)	Sum	1	R 3 00, 00	R 3 00,00
IN35	**GSR 2A - H&S Spec**	Management of substance abuse (Breathalyzer)	No	2	R 6 000	R 12 000
	Total					**R 378 600,00**

PROJECT RISK PROFILE

ITEM	RISK	LIKELIHOOD	IMPACT	RATING	MITIGATION	ACTION PLAN	OWNER
1.	Non - compliance to SHE Specification, OHS Act and its regulations	5	5	25	Planning, design and implementation to comply with legislative requirements, especially for Health, Safety and Environment together with Quality	To be implemented	OHS
2.	Approval and compliance with the OHS Plan for the contractor	5	4	20	New contractors can't start before approval of SHE Files and SHE Plan	To be implemented	OHS
3.	Arrangements and submission of Notification of construction work	5	4	20	Department of Labour must be notified 7days before start of any construction work. No construction activity must be conducted if Department of Labour has not been notified	To be submitted	OHS
4.	Complacency on the compliance by the contractor due to lack of site monitoring	5	5	25	OHS Consultants to monitor contractors compliance monthly and contractor must appoint full time Safety Officer	To be Implemented	OHS
5.	Training Induction of contractors	5	5	25	Every new employee or visitor must be inducted before entering company premises or starting work. All employees absent from work or on leave for a period of 14days must be inducted. Inducted visitors must at all times be accompanied when walking around company premises.	To be Implemented	OHS
6.	Unreasonable labour demands by communities	5	5	25	CLO must be appointed to deal with all community related issues	To be Implemented	CLIENT CONTRACTOR
7.	Poor management of contractors	5	5	25	Compliance to Supplier/subcontractor management procedure with regard to section 37(2) of the OHS Act must be adhered to. Indemnity must be signed by both parties	To be Implemented	CLIENT CONTRACTOR

OCCUPATIONAL HEALTH AND SAFETY DELIVERABLES

Scope of work for Occupational Health and Safety

Occupational Health and Safety is considered as per the SACPCMP scope of work for the Construction Health and Safety Services.

The scope of services (Deliverables) include but not limited to the following:

Stage 1: Project Initiation and Briefing

Attend Consultants Meetings
Draft Project H&S Brief and Risk Profile

Stage 2: Concept and Feasibility

Draft Baseline Risk Assessment
Attend Consultants Meetings
Approve Specialists H&S Plans/ Method Statement / Risk Assessments
Comments on Concept Design Review
Update Draft Project H&S Brief and Risk Profile as and when required.

Stage 3: Design Development

Finalize Project & Risk Profile
Advise Cost Consultant on H&S Cost Items (OHS BOQ)
Updated Draft Baseline Risk Assessment
Draft H&S Specification for Construction
Design Review and Compile Report
Attend Design Review and Consultants Meetings
Project Health and Safety Policy

Stage 4: Tender Documentation and Procurement

Attend Consultants Meetings
Finalize H&S Specification
Finalize Baseline Risk Assessment
Assist with Tender Adjudication
Approve SHE Plan/s
Apply for Construction Work Permit
Template for Health and Safety File

Stage 5: Construction Documentation and Management

Site Handover meeting
Attend Site Progress Meetings
Attend section 24 incident investigations.
Compiling Audit Report
Conducting Monthly Audit/ Site Inspections

Stage 6: Project Close-out

Attend Close-out Meetings
H&S Operations & Maintenance (Ensuring that all the required documentation is up to date before submission to the client)
Final Audit of H&S File/s
Compile Close-out Report
Submission of the Contractors Health and Safety File to the Client

ADDENDUM "A"

PRO-FORMA AGREEMENT IN TERMS OF OCCUPATIONAL HEALTH AND SAFETY ACT 1993

PRO-FORMA AGREEMENT IN TERMS OF

OCCUPATIONAL HEALTH AND SAFETY ACT 1993 – SECTION 37 (2)

NEW CONSTRUCTION SAFETY REGULATIONS

The above-mentioned regulations were promulgated in the Govt. Gazette on Friday, 18 July 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

NOTIFICATION OF CONSTRUCTION WORK
(Regulation 3 of the Construction Regulations, 2014)

1. CONTRACTOR

1.1 Name and postal address of Contractor:

_____
_____
_____

1.2 Name and telephone number of Contractor's contact person :

_____

1.3 Contractor's compensation registration number :

_____

1.4 Name and telephone number of Contractor's Construction Supervisor :

_____

1.5 Physical address of the construction site or site office:

_____
_____
_____

1.5 Estimated number of persons on the construction site:

_____

1.6 Estimated number of Subcontractors on the construction site accountable to the Contractor:

_____

2. EMPLOYER

2.1 Name and postal address of Employer :

_____
_____
_____

2.2 Name and telephone number of Employer's Principal Agent:

3. DESIGN CONSULTANTS

3.1 Name and postal address of 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.

ADDENDUM C

Environmental Management Plan

TO BE PROVIDED BY THE SUCCESSFUL BIDDER

ADDENDUM I

Geotech Report

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GEOTECHNICAL INVESTIGATION REPORT FOR THE PROPOSED CONSTRUCTION OF THE NEW BODIBE COMMUNITY LIBRARY IN BODIBE VILLAGE, NORTH-WEST PROVINCE

GEOTECHNICAL INVESTIGATION REPORT

13 February 24

PREPARED BY:

Gudunkomo Investments & Consulting
PO Box 3968
Halfway
1685

PREPARED FOR:

21 Emarald Street
Riviera Park
Mafikeng
2745

GUDUNKOMO

isagoarchitecture

CONTACT PERSON:

Mr. X. Nxumalo, PrEng, PrCPM, PMP
Tel: 011 805 8317

CONTACT PERSON:

Ms. P. Sedibe
Tel: 018 381 6762

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DOCUMENT CONTROL RECORD

REPORT TITLE	**Geotechnical Investigation Report for the proposed construction of the new Bodibe Community Library in Bodibe Village, North-West Province**	
CLIENT	**Isago Architecture**	
TYPE OF WORK	**Geotechnical Investigation**	
LOCATION	**Bodibe Village, North-West Province**	
CO-ORDINATES	**Latitude**	**26.06067 S**
	Longitude	**25.86061 E**
GEOGRAPHIC REFERENCE	**2624 VRYBURG**	

REPORT VERIFICATION (THIS VERSION)

Prepared by _____ Manqoba LG. Zondo
Geologist

Approved by _____ Xolani Nxumalo PrEng, PrCPM, PMP
Geotechnical Engineer

EXECUTIVE SUMMARY

This report presents the results of the geotechnical investigation carried out at on a site earmarked for the construction of a new community library, located in Bodibe, North-West Province. The geotechnical investigation aimed to determine any potential geotechnical constraints that might affect the design and construction of the proposed new Bodibe Community Library. Bodibe is a village located approximately 39 km southeast of Mahikeng.

It is considered that the conditions prevailing on site are such that much of the site is considered suitable for the proposed development, provided the recommendations outlined in this report are adhered to.

The investigation included four test pits, laboratory testing of soil samples, percolation test, and twelve light dynamic penetrometer tests. According to the Geological Map Series, 2624 Vryburg. The site sits on calcrete. The geotechnical investigation revealed the site to be underlain by aeolian deposits comprising medium dense to dense sand. Powder to nodular calcrete underlay the aeolian deposits. Nodular calcrete outcrops were prevalent on site. These materials are classified as "soft" to "hard" in terms of SANS 1200 DA.

According to the Council for Geoscience, the site has a Dolomitic Land Inferred Status. Although this is yet to be proven so with borehole information, precautions associated with dolomitic site classification D2/D3 must be adopted. A full dolomite stability investigation is required.

The site occurs in an area with a PGA value less than 0.100-g, with a 10% probability of being exceeded in a 50-year period. The site falls outside where detailed seismic design (Zone I) and compliance with minimum requirements (Zone II) are specified by the SANS 10160-4:2011. According to the SANS guidelines, no specific design requirements other than normal structural design requirements are required.

No groundwater table nor seepage was observed in the test pits. The estimated safe bearing capacity from existing ground level to 100 mm is more than 200 kPa. Shallow refusal depths (< 130 mm) were achieved by all the DPL tests.

According to the National Building Regulations Act No. 103 of 1977, the rate of application of effluent to subsoil is not permitted. Because of poor percolation values, the construction of ventilated improved pit latrines is the least favourable solution. The dense nodular calcrete is deemed not suitable for the use of soak pits /French drains. Ventilated vault toilets are recommended.

Based on the information from trial pitting, laboratory testing, and light dynamic penetrometer tests, the Site Classification for the site is **H1/C1**. Foundations for the building structures should consider potential movement arising from collapsible soils. Soil raft, Compaction of in-situ soils below individual footings, and Deep strip foundations are the recommended construction types.

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ABBREVIATIONS AND DEFINITIONS

°C	Degrees Celsius
AASHTO	American Association of State Highway and Transportation
avg	average
C	collapse soil
CBR	California Bearing Ratio
CGS	Council for Geoscience
DPL	Light dynamic penetrometer
e^o	initial void ratio
EASBP	Estimated Allowable Safe Bearing Pressure
EGL	existing ground level
GM	grading modulus
H	active soils
km	kilometre (s)
kPa	kilopascal (s)
LL	liquid limit
LS	linear shrinkage
m	metre (s)
mamsl	metres above sea level
MCa	moisture content before testing
MCb	moisture content after testing
MDD	maximum dry density
mm	millimetre (s)
Mod. AASHTO	Modified AASHTO MDD
N	Wienart N-value
NHBRC	National Home Builders Registration Council
No.	Number
OMC	optimum moisture content
PI (0.425)	PI of the particle fines portion
PI (whole)	PI of the whole sample
PI	plasticity index
PT	percolation test
S/m	second per meter
TP	test pit
TRH	Technical Recommendations for Highways
UCS	Unconfined Compressive Strength
SC	Clayey sands
SM	Silty sands

1. INTRODUCTION

This report presents the findings of a geotechnical investigation undertaken to investigate founding conditions for the proposed construction of the new Bodibe Community Library in Bodibe Village, North-West Province.

The report, therefore, documents an overview of the geotechnical properties and characteristics of the surficial and sub-surficial soils underlying the areas that are earmarked for construction. Foundation recommendations are provided for the proposed development. Furthermore, the report also describes the process that was undertaken during the geotechnical investigation.

2. TERMS OF REFERENCE

Gudunkomo Investments & Consulting (Pty) Ltd was appointed by the ***Isago Architecture*** to undertake a geotechnical site investigation. The report focuses on the geotechnical site investigation aimed at determining various geotechnical properties of the near-surface soil horizons by SAIEG guidelines, SANS guidelines, and guidelines, for Human Settlement Planning and Design (Red Book).

3. INFORMATION & LITERATURE USED

Information from the following literature and guidelines were used in the investigation and assessment of the site:

- Geological Map of the GSO: Scale 1: 250 000 Sheet – Geological series 2624 Vryburg & Google Images.
- "*Soil Survey for Engineering*", by Brink, Partridge, and Williams (1982).
- "*Code of Practice: Assessment of the performance of housing units in South Africa*" published by the Joint Structural Division of SAICE and IStructE (2000).
- "*Revised Guide to Soil Profiling for Civil Engineering Purposes in Southern Africa*" by Jennings et al (1973).
- "*Code of Practice: Foundations and Superstructures for Single Storey Residential Buildings of Masonry Construction*" published by the Joint Structural Division of SAICE and IStructE (1995).
- "*Guidelines for Human Settlement Planning and Design*" Published by CSIR Building and Construction Technology (2000).
- "*Identification of Problematic Soils in Southern Africa*" Published by Department of Public Works (2007).
- *"SANS 0160 – 2011 Basis of structural design and actions for buildings and industrial structures, Part 4: Seismic actions and general requirements for buildings.*" S.A. Bureau of Standards, Pretoria.
- *"Kijko A., Graham G., Bejaichund M., Roblin D.L. and Brandt M.B.C. (2003) Probabilistic Seismic-Hazard Maps for South Africa."* Council for Geoscience, Pretoria.
- Jennings, J.E. and Knight, K. *A guide to construction on or with materials exhibiting additional settlement due to collapse of grain structure.* Proceedings, 6th Regional Conference for Africa SM and FE. Durban. 1975.

4. SITE DESCRIPTION

4.1 Location

The site is in Bodibe Village located approximately 39 km southeast of Mahikeng in the North-West Province. The site sits at the latitude and longitudinal coordinates 26.06067°S and 25.86061°E respectively. See Figure 1 below.

The total site area comprises approximately 0.41 ha and has been partially developed. Toilet blocks and elevated water tanks servicing a borehole were observed. However, a significant portion of the site remains undeveloped. The site is bound by vacant land, an access road, and residential areas.



Figure 1: *Bodibe Community Library site in Bodibe Village, North-West Province (sourced from Google Earth).*

4.2 Topography and Drainage

Topographically the site is relatively flat and slightly slopes in a north-westerly direction from 1483 to 1482 masl at a gradient of 1:102. Drainage is in the form of sheet wash.

4.3 Climate

Mafikeng's climate is a local steppe climate. During the year there is little rainfall. This location is classified as BSh by Koppen and Geiger. The average annual temperature is 18.5 °C. The annual rainfall is 571 mm. Precipitation is the lowest in July, with an average of 3 mm. In February, precipitation reaches its peak, averaging 96 mm. At an average temperature of 23.1 °C. January is the warmest month of the year. At 11.2 °C, July is the coldest month of the year.

Weinert's climatic N-value for the area is greater than 5 (N>5); this implies that mechanical disintegration will be the dominant mode of weathering.

4.4 Site Geology

According to the Geological Map Series, 2624 Vryburg. The site sits on calcrete. The geotechnical investigation revealed the site to be underlain by aeolian deposits comprising medium dense to dense sand. Powder to nodular calcrete underlay the aeolian deposits. Nodular calcrete outcrops were prevalent on site.

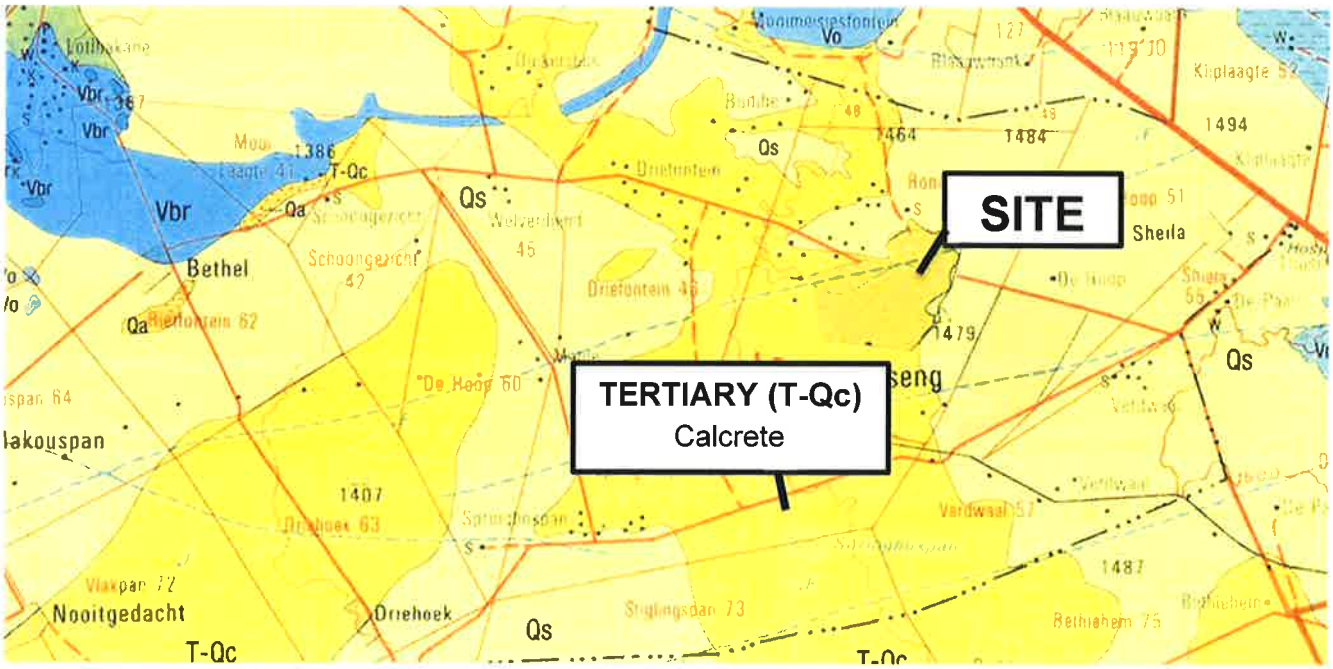


Figure 2: *Site Geology from Geological Map Series 2624 Vryburg, 1:250 000.*

4.4.1 Dolomitic Land

Although the documented geology of the site indicates that the site does not directly sit on dolomite. Dolomite formations may be underlying the observed calcrete formations at greater depths, according to the Council for Geoscience (CGS). However, records of borehole drilling in the area, provided by the CGS indicate several Dolomite Boreholes, the closest approximately 89 m west from the site does not encounter dolomite.

See Figure 3 below illustrating the site with a grey point sitting on Possible (areas shaded in light blue) Dolomitic Land Inferred. The green points are dolomite boreholes which have been drilled before.

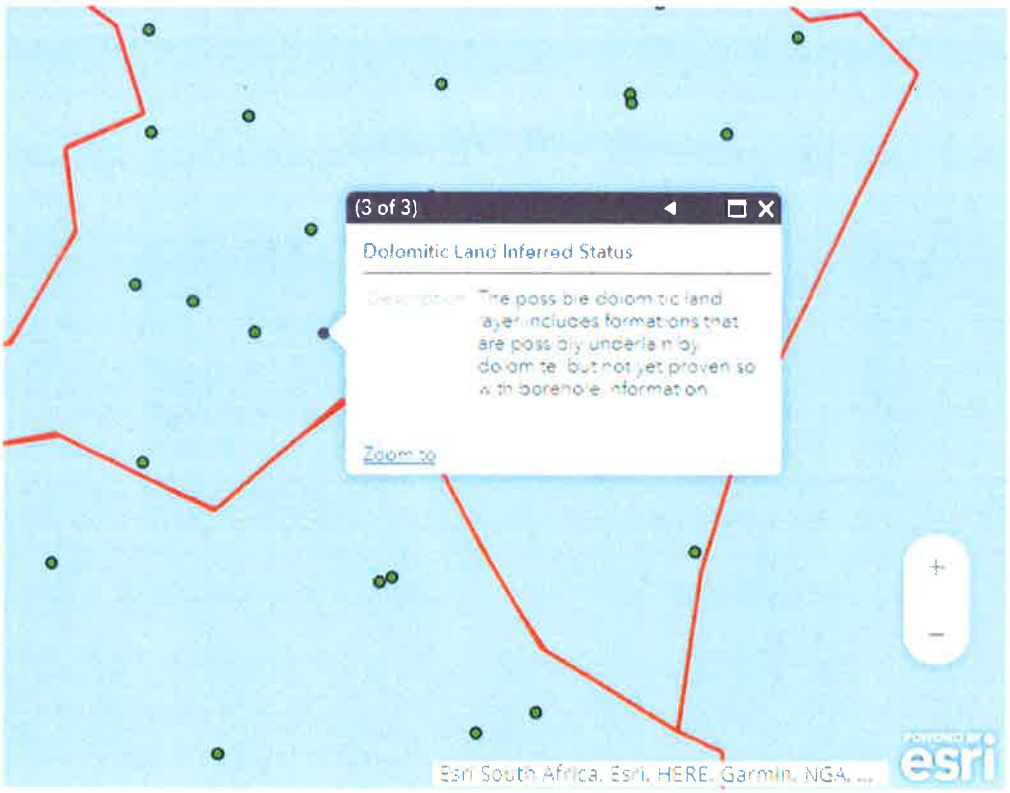


Figure 3: *Possible Dolomitic Land and Dolomite Borehole Positions (sourced from Council of Geoscience).*

In the absence of specific data, it is assumed that this site classifies as D2/D3, and as such, the precautions listed in SANS 1936 are required. A full dolomite stability investigation is required.

4.5 Seismicity

On the published Seismic Hazard Map of South Africa (SANS 10160-4:2011), the seismic hazard is defined in terms of Peak Ground Acceleration (PGA). According to this map (see Figure 4 below), the site occurs in an area with a PGA value less than 0.100-g, with a 10% probability of being exceeded in a 50-year period.

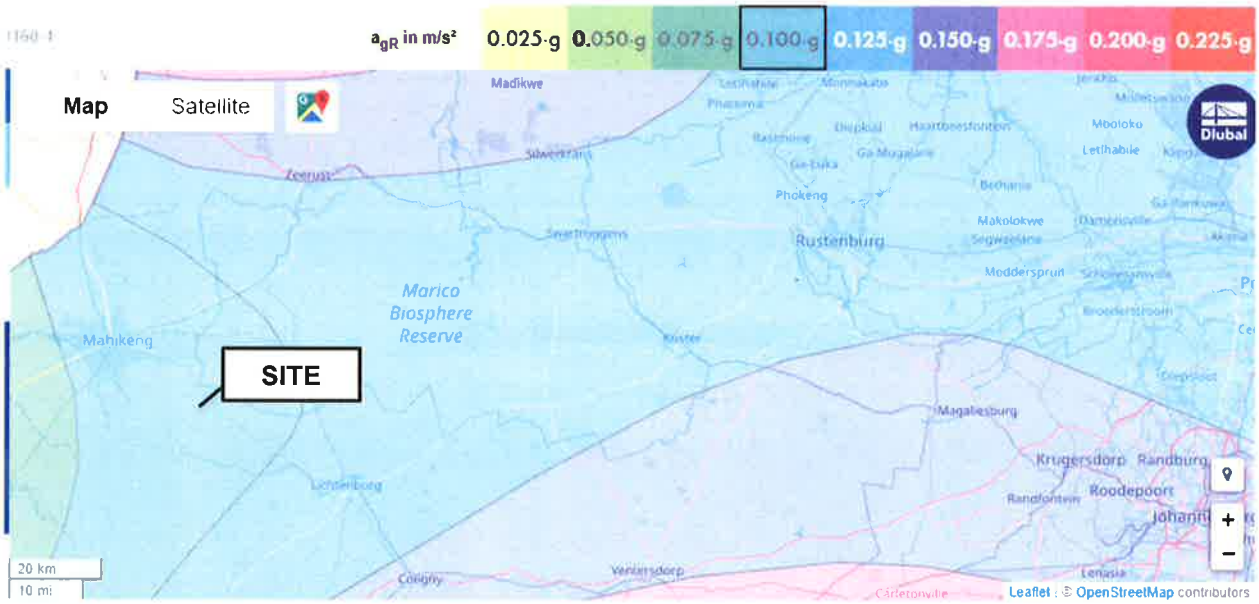


Figure 4: *Peak ground acceleration with 10% probability of being exceeded in a 50-year period (source SANS 10160-4:2011).*

The site falls outside where detailed seismic design (Zone I) and compliance with minimum requirements (Zone II) are specified by the SANS 10160-4:2011. According to the SANS guidelines, no specific design requirements other than normal structural design requirements are required.

5. METHOD OF INVESTIGATION

The investigation process was divided into three stages which included:

5.1 Desk Study

The investigation process generally begins with a desk study where the evaluation of available information is conducted. The existing information includes geotechnical reports of the area and/or its surroundings, geology maps, topographic maps, locality plan, and aerial photography of the site.

5.2 Field Reconnaissance

The desk study process was followed by a field reconnaissance investigation which mainly involved a walk-over survey. The walk-over survey was undertaken to develop a clearer perspective of the actual site conditions including the layout of the area, accessibility, geomorphology, geology, etc. Some of the pertinent information evaluated such as outcrop/scattered outcrop, stormwater runoff, etc., are mapped during this reconnaissance stage.

5.3 Field Investigation

The fieldwork for the investigation was carried out on 27 January 2024 and comprised the following:

- Test Pits,
- Light Dynamic Penetrometer tests, and
- Percolation test.

5.3.1 Test Pits

Four test pits, designated TP1 through TP4, were hand-dug at the positions given in Figure 5. The test pits were advanced to depths in the range of 1.00 m – 1.35 m below existing ground level (EGL). A registered professional engineer inspected and logged the ground profiles as recommended by SAIEG (1996) and according to the MCCSSO method of profiling by Jennings *et al.* The soil profiles along with their pictures are attached in Appendix 1.



Figure 5: *Test Pit Positions (sourced from Google Earth).*

Three disturbed soil samples were retrieved from test pits and submitted to a laboratory for foundation indicator testing including particle size distributions and atterberg limits. One disturbed sample was retrieved for Mod AASHTO, CBR testing. One disturbed sample was retrieved for conductivity, chemical, and collapse potential analysis. Due to the crumbly nature of the soils on site, undisturbed samples could not be retrieved for laboratory testing. The laboratory tests are conducted to assist with the purpose of classification, description, and delineation of homogenous zones. The laboratory results are attached in Appendix 2.

5.3.2 Light Dynamic Penetrometer Test

Twelve light dynamic penetrometer (DPL) tests, designated DPL1 through DPL12, were carried out on-site. These approximate test positions are illustrated in Figure 6. The DPL tests were carried out on the surface and at the base of the test pits. Very shallow (<130 mm) refusal depths were achieved in all the DPL tests. These DPL tests were conducted on dry material. The results of the DPL tests are included in Appendix 3.



Figure 6: *DPL Test Positions (sourced from Google Earth).*

The site classification system is discussed in the Code of Practice for Foundations and Superstructures for single-storey Residential Buildings of Masonry Construction compiled by the Joint Structural Division of the SAICE and the IStructE and SAICE's Guidelines for Urban Engineering Geological Investigations. For the purposes of new building structures, the foundation designs are recommended in terms of single-story masonry structures with bearing pressures of not more than 50 kPa.

5.3.3 Percolation Test

In-situ percolation test, designated PT1 was carried out as per the provisions of SANS 10400 (1990). The test position is illustrated in Figure 7. The test is designed to quantify the rate at which water moves into the soil. Percolation test results are given in Appendix 4.



Figure 7: *Percolation Test Positions (sourced from Google Earth).*

6. RESULTS

6.1.1 Test Pits

The soil profile is reasonably uniform across the entire site and may be subdivided into the following horizons. See attached soil profiles along with their pictures in Appendix 1.

***Table 1**: General description of soil horizons with depths to the base of the horizon.*

HORIZON	DEPTH*	DESCRIPTION
Aeolian	0.36 m avg. (0.20 m – 0.63 m)	Dry, grey brown mottled light grey, medium dense to dense, honeycombed, fine sand.
Powder to Nodular Calcrete	1.16 m avg. (1.00 m – 1.35 m)	Dry, light grey speckled, dense, intact, sand.

**Depth is given to the base of the horizon from the present ground level. Figures in brackets denote the range.*

No groundwater table nor seepage was encountered in the test pits. Figure 8 below illustrates a typical soil profile characterizing the site.



***Figure 8**: Typical soil profile observed on site.*

6.1.2 Laboratory Results

Eight representative disturbed soil samples were retrieved from the selected soil horizons for laboratory testing. The samples were submitted to a laboratory for testing. The results are summarised in the tables below. Laboratory results are attached in Appendix 2.

Table 2: Summary of foundation indicator results.

Sample	Depth (m)	Atterberg Limits (%)			GM	Particle Size (%)			Moisture Content (%)	Potential Expansiveness	Material Code & Classification
		LL	PI	LS		Silt & Clay	Sand	Gravel			
POWDER TO NODULAR CALCRETE											
TP1/1	0.7	42	8	3.5	1.29	34	35	31	-	Low	A-5 (2) SM
TP2/1	0.7	45	8	4.0	1.28	34	35	31	-	Low	A-5 (1) SM
TP3/1	0.7	38	7	3.5	0.95	44	34	22	-	Low	A-4 (3) ML

Table 3: Road indicator results.

Sample	Depth (m)	Atterberg Limits (%)			GM	Particle Size (%)			CBR Values (Compaction at MDD %)						Swell (%)	OMC (%)	MDD (kg/m^3)	COLTO Classification
		LL	PI	LS		Silt & Clay	Sand	Coarse Sand	90	93	95	97	98	100				
POWDER TO NODULAR CALCRETE																		
TP1/2	1.0	40	8	4.0	1.12	65	14	21	8	12	15	18	21	26	1.1	17.4	1724	G8

***Table 4**: Collapse Potential Results.*

Sample	Depth (m)	MCa (%)	MCb (%)	Dry Density (kg/m^3)	e^0	Collapse - % @ 200 kPa
POWDER TO NODULAR CALCRETE						
TP3/2	0.7-0.9	17.1	22.2	1625	0.668	0.3

***Table 5**: pH and Conductivity test results summary.*

Sample	Depth (m)	Moisture Content (%)	pH	Conductivity (S/m)
POWDER TO NODULAR CALCRETE				
TP1/3	0.7-0.9	-	8.47	0.0076

LL - Liquid Limit
PI - Plasticity Index
LS - Linear Shrinkage
GM - Grading Modulus
SM - Silty Sands
OH - High Plasticity Organic
ML - Low Plasticity Silt
OL - Low Plasticity Organic

MDD - Maximum Dry Density
OMC - Optimum Moisture Content
MCa - Moisture Content Before Testing
MCb - Moisture Content After Testing
e^0 - Initial Void Ratio
S/m - Second per meter

6.1.3 Light Dynamic Penetrometer Test

A total of twelve DPL tests, designated DPL 1 - 12, were carried out throughout the study area at the GPS-acquired positions indicated in Figure 6. The aim of the DPL testing was to establish the consistency of the subsoils and the depth to bedrock if occurring at shallow to moderate depths. The DPL results are graphically presented in Appendix 3.

Table 6 has been included as a general guideline for the interpretation of the DPL test results, with respect to the cohesive and non-cohesive materials underlying the site. It should be noted that these values are used as a guide as it is empirically derived from and based on values specific to the handheld DPL testing equipment used by Gudunkomo Investment & Consulting (Pty) Ltd.

***Table 6**: Subsoil consistency Inferred from the DPL Test Results.*

Non-Cohesive Soil (Sands, ect)		**Cohesive Soils (Clays, ect)**	
No. of Blows / 300mm	**Subsoil Consistency**	**No. of Blows / 300mm**	**Subsoil Consistency**
0 - 8	Very Loose	0 - 4	Very Soft
8 - 18	Loose	4 - 8	Soft
18 - 54	Medium Dense	8 - 15	Firm
54 - 90	Dense	15 - 24	Stiff
>90	Very Dense	24 - 54	Very Stiff
		>54	Hard

6.1.4 Percolation Test

A percolation test, designated PT1 was carried out on site. PT1 was conducted within TP3. The soils encountered in the percolation test pit comprise dense, nodular calcrete. The results of the test are presented in Table 7 below.

***Table 7**: Percolation test results.*

Drop in water level (mm)	Time (minutes)
300	0
300	5
300	10
300	15
300	20
300	25
300	30
Percolation rate (average time in minutes for a 25mm drop in water level)	**>30**
Depth of percolation test (millimetres below existing ground)	**1000 - 1300**
Rate of application of effluent to the subsoil (l/m2 soakpit wall area/day)	**Not Permitted**

Considering the above, the placement of soak pits and the French drain system therein is not recommended. The nodular calcrete is deemed not suitable for the use of soak pits /French drains.

7. EVALUATION OF GEOTECHNICAL PROPERTIES

The report focuses on the geotechnical site investigation aimed at determining various geotechnical properties of the near surface soil horizons in accordance with SANS guidelines and guidelines for Human Settlement Planning and Design (Red Book), with emphasis on foundation recommendations for the new structures. For geotechnical site zonation, the site is sub-divided into (soil) Site Class Sub-Areas defined in terms of SAICE's loading conditions and composite site classes using 'H' (active soils), 'C' (collapse soils), 'S' (settlement soils) and 'R' (rock) designations defined in the report.

Table 8 below gives the basis of the site soil classification that was applied during the investigation. The table was adapted according to the site classification system detailed in the SAIGE Guidelines and the Code of Practice by the Joint Structural Division SAICE and IStructE.

Table 8: *Residential site class designation (adopted from NHBRC Home Building Manual).*

GEOTECHNICAL CATEGORY AND SITE CLASS DESIGNATION	GEOTECHNICAL CHARACTERISTICS
Active soils (heave/shrink) - (H) H H1 H2 H3	Expected range of total movement at surface: < 5 mm 5 – 15 mm 15 – 30 mm > 30mm
Collapsible Soils – (C) C C1 C2	Expected range of total movement at surface: < 5 mm 5 – 10 mm > 10 mm
Compressible soils (S) S S1 S2	Expected range of total movement at surface: < 5 mm 5 – 15 mm > 15 mm
Excavation – (R) R1 R2 R3	 sub outcrop scattered outcrop and sub-outcrop outcrop, scattered outcrop, and sub-outcrop
P – Problem soils	Dolomitic Areas, marshy areas, contaminated areas, abandoned borrow areas, land fill, mining subsidence and mine waste fill, shallow undermined areas, exploration pits or adits.

8. GEOTECHNICAL EVALUATION

8.1 Groundwater table

No groundwater table nor seepage was encountered in the test pits.

8.2 Expansive Soils

Field observations suggested that the sand encountered in all the test pits was not expansive. From the Foundation Indicator tests carried out all the horizons tested displayed a "low" potential expansiveness classification. Minor heave-related problems are expected on the site.

8.3 Collapsible soils

Based on field observations, the site's soil has been described as largely intact. The laboratory results indicated the collapse potential as 0.3% (Collapse - % at 200 kPa). Together with their intact structure, the site soils classify as "no problem" according to the classification for collapse problems proposed by Jennings and Knight.

8.4 Chemical Analysis

A sample of *in-situ* soil was collected for soil chemistry tests (pH & Conductivity) to determine the aggressiveness of the soil which can affect buried services and concrete foundations. The laboratory results are summarized under Section 6.2 and are attached in Appendix 2.

The laboratory test results indicate "non-corrosive" soil conditions. The sample was found to have a pH of 8.47 and conductivity of 0.0076 S/m. An indication of the influence of pH and conductivity on the corrosiveness of the soil is given in Table 9.

Table 9: *Influence of pH and conductivity on the corrosiveness of soil.*

pH	Conductivity (S/m)	Potential Corrosiveness
7-8	<0.1	Non-corrosive
5-6 or 9-10	0.1 - 0.5	Mildly corrosive
3-4 or 11-12	0.5 - 1.0	Corrosive
<3 or >12	>1.0	Highly corrosive

8.5 Excavatability

Medium dense to dense sands were encountered from the surface to 1350 mm below EGL. These materials are classified as "soft" to "hard" in terms of SANS 1200 DA criteria and can be easily removed by hand tools or a TLB. Nodular calcrete outcrops were prevalent on site.

8.6 Slope Instability

There are no steep natural slopes on the proposed development area of the site, and no signs of any macro instability were noted during the investigation.

8.7 Subsidence

There is no past or current undermining activity beneath the site. Therefore, the potential for mining subsidence is not foreseen.

8.8 Problem soils

No marshy areas were encountered on site.

8.9 Material Classification & Usage

The subgrade materials have been classified in terms of their suitability for use in construction based on field observations and laboratory testing. The classification is summarized in Table 10 below.

Table 10: *Material Classification & Potential Usage.*

Material	Description	Classification Details	Recommended Use
Nodular Calcrete	Sand	A-5 (2), A-5 (1), and A-4 (3) SM & ML	These soils are considered as fair to poor subgrade materials. They have low to medium compressibility and fair to good shear strength. Cannot be used for any layer works.

The above recommendations are based on the test pit profiles and laboratory test results which are considered indicative only and should be used with caution. Variations in subsoil conditions are a possibility.

8.10 Roads and Parking Areas

The material quality when analysed in accordance with TRH 14 (Guidelines for Road Construction Materials) was classified as "G8". The silty sand material will not be suitable for use in any layer works required for roads and parking areas. It is recommended that the material for the pavement layers required for the road works be imported from outside the site.

9. CONCLUSIONS AND RECOMMENDATIONS

- This geotechnical report contains the findings and develops recommendations for the proposed construction of Bodibe Community Library in Bodibe Village, North-West Province.

- It is considered that the conditions prevailing on-site during the site investigation are such that most of the site is deemed suitable for the proposed development provided that the recommendations outlined in this report are adhered to.

- The general geology of the site comprises dry, medium dense to dense, sand aeolian deposits. Powder to nodular calcrete underlay the aeolian deposits. Nodular calcrete outcrops were prevalent on site. These materials are classified as "soft" to "hard" in terms of SANS 1200 DA.

- According to the Council for Geoscience, the site has a Dolomitic Land Inferred Status. Although this is yet to be proven so with borehole information, precautions associated with dolomitic site classification D2/D3 must be adopted. A full dolomite stability investigation is required.

- The site occurs in an area with a PGA value less than 0.100-g, with a 10% probability of being exceeded in a 50-year period. The site falls outside where detailed seismic design (Zone I) and compliance with minimum requirements (Zone II) are specified by the SANS 10160-4:2011. According to the SANS guidelines, no specific design requirements other than normal structural design requirements are required.

- No groundwater table nor seepage was observed in the test pits. The estimated safe bearing capacity from existing ground level to 100 mm is more than 200 kPa. Shallow refusal depths (< 130 mm) were achieved by all the DPL tests.

- Heave-related problems are anticipated to be minimum on the site. Collapse-associated problems are anticipated to be at a minimum as the site soils classify as "no problem" according to the classification for collapse problems proposed by Jennings and Knight. The laboratory test results indicated "non-corrosive" soil conditions.

- According to the National Building Regulations Act No. 103 of 1977, the rate of application of effluent to subsoil is not permitted. Because of poor percolation values, the construction of ventilated improved pit latrines is the least favourable solution. The dense nodular calcrete is deemed not suitable for the use of soak pits /French drains. Ventilated vault toilets are recommended.

- Based on the information from trial pitting, laboratory testing, and light dynamic penetrometer tests, the Site Classification for the site is **H1/C1**. Foundations for the building structures should consider potential movement arising from collapsible soils. Soil raft, Compaction of in-situ soils below individual footings, and Deep strip foundations are the recommended construction types.

- It is recommended that the foundation invert level be approved by a geotechnical engineer during the construction phase of the project.

- The ground conditions given in this report refer specifically to the field tests carried out on-site. It is, therefore, quite possible that conditions at variance from those given in this report could be encountered elsewhere on-site during construction. In this regard, it is important that Gudunkomo Investments & Consulting (Pty) Ltd carry out periodic inspections of the site during construction. Any change from the anticipated ground conditions could then be considered to avoid unnecessary expenses.

isagoarchitecture

February 2024

GUDUNKOMO
INVESTMENTS AND CONSULTING

Office A2 & A3
Greenoaks Office Park
Cnr. Bekker Street & Gregory Avenue
Vorna Valley
Midrand
1685

APPENDIX 1:

SOIL PROFILE

GUDUNKOMO
INVESTMENTS AND CONSULTING

Office A2 &A3, Greenoaks Office Park, Cnr. Bekker
& Gregory Avenue,
Vorna Valley, Midrand, 1685
Tel: (011) 8058457
Email: info@gudunkomo.co.za

HOLE No.
TP 1
Sheet 1 of 1

SOIL PROFILE

CLIENT : ISAGO ARCHITECTURE
PROJECT : BODIBE COMMUNITY LIBRARY

0.00m
Dry, grey brown mottled light grey, medium dense to dense, honeycombed, fine sand.
AEOLIAN
0.29m

Dry, light grey speckled, dense, intact, sand.
POWDER TO NODULAR CALCRETE

TP1/1
TP1/3
TP1/2

1.20m

Notes:

1. Refusal on nodular calcrete at 1.20m.
2. Roots present to 0.8m depth.
3. No seepage or groundwater table was observed.
4. Disturbed samples; TP1/1 taken at 0.7m, and TP1/2 taken at 1.0m, and TP1/3 taken at 0.8m.

CONTRACTOR :
MACHINE : HAND DUG
DRILLED BY :
PROFILED BY : XOLANI NXUMALO

INCLINATION : VERTICAL
DIA :
DATE DRILLED : 26/01/2024
DATE PROFILED : 27/01/2024

ELEVATION : 1483m
LATITUDE : 5159221.05
LONGITUDE : 2500816.99

TYPE SET BY : PHILANI ZUMA
SETUP FILE : DWG (CAD)

DATE : 08/02/2024
TEXT :

HOLE No.: **TP 1**

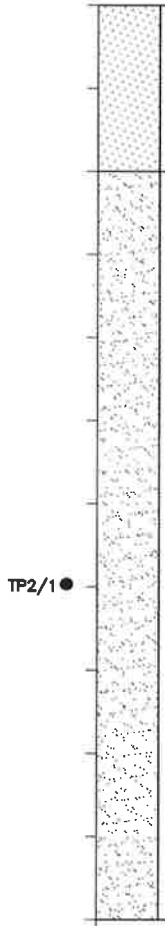

2024/01/27

GUDUNKOMO
Office A2 &A3, Greenoaks Office Park, Cnr. Bekker
& Gregory Avenue,
Vorna Valley, Midrand, 1685
Tel: (011) 8058457
Email: info@gudunkomo.co.za

HOLE No.
TP 2
Sheet 1 of 1

SOIL PROFILE

CLIENT : ISAGO ARCHITECTURE
PROJECT : BODIBE COMMUNITY LIBRARY



0.00m
Dry, grey brown mottled light grey, medium dense to dense, honeycombed, fine sand.
AEOLIAN

0.20m
Dry, light grey speckled, dense, intact, sand.
POWDER TO NODULAR CALCRETE

1.10m

Notes:

1. Refusal on nodular calcrete at 1.10m.
2. Roots present to 0.7m depth.
3. No seepage or groundwater table was observed.
4. Disturbed samples; TP2/1 taken at 0.7m

CONTRACTOR :
MACHINE : HAND DUG
DRILLED BY :
PROFILED BY : XOLANI NXUMALO

INCLINATION : VERTICAL
DIA :
DATE DRILLED : 26/01/2024
DATE PROFILED : 27/01/2024

ELEVATION : 1483m
LATITUDE : 5159236.48
LONGITUDE : 2500805.93

TYPE SET BY : PHILANI ZUMA
SETUP FILE : DWG (CAD)

DATE : 08/02/2024
TEXT :

HOLE No.: **TP 2**


2024/01/27

GUDUNKOMO
INVESTMENTS AND CONSULTING

Office A2 &A3, Greenoaks Office Park, Cnr. Bekker
& Gregory Avenue,
Vorna Valley, Midrand, 1685
Tel: (011) 8058457
Email: info@gudunkomo.co.za

HOLE No.
TP 3
Sheet 1 of 1

SOIL PROFILE

CLIENT : ISAGO ARCHITECTURE
PROJECT : BODIBE COMMUNITY LIBRARY

0.00m
Dry, grey brown mottled light grey, medium dense to dense, honeycombed, fine sand.
AEOLIAN

0.31m
Dry, light grey speckled, dense, intact, sand.
POWDER TO NODULAR CALCRETE

TP3/1 ●

TP3/2 ●

1.00m

Notes:

1. Refusal on nodular calcrete at 1.00m.
2. Roots present to 0.5m depth.
3. No seepage or groundwater table was observed.
4. Disturbed samples; TP3/1 taken at 0.7m and TP3/2 taken at 0.9m.

CONTRACTOR :
MACHINE : HAND DUG
DRILLED BY :
PROFILED BY : XOLANI NXUMALO

INCLINATION : VERTICAL
DIA :
DATE DRILLED : 26/01/2024
DATE PROFILED : 27/01/2024

ELEVATION : 1483m
LATITUDE : 5159220.67
LONGITUDE : 2500801.36

TYPE SET BY : PHILANI ZUMA
SETUP FILE : DWG (CAD)

DATE : 08/02/2024
TEXT :

HOLE No.: **TP 3**


2024/01/27

GUDUNKOMO
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HOLE No.
TP 4
Sheet 1 of 1

SOIL PROFILE

CLIENT : ISAGO ARCHITECTURE
PROJECT : BODIBE COMMUNITY LIBRARY

0.00m	Dry, light grey mottled brown, medium dense to dense, matrix-supported, sand with cobbles. POWDER CALCRETE
0.40m	Dry, grey brown mottled light grey, medium dense to dense, honeycombed, fine sand. AEOLIAN
0.63m	Dry, light grey speckled, dense, intact, sand. POWDER TO NODULAR CALCRETE
1.35m	

Notes:

1. Refusal on nodular calcrete at 1.35m.
2. Roots present to 1.10m depth.
3. No seepage or groundwater table was observed.
4. No samples were taken

CONTRACTOR :
MACHINE : HAND DUG
DRILLED BY :
PROFILED BY : XOLANI NXUMALO

INCLINATION : VERTICAL
DIA :
DATE DRILLED : 26/01/2024
DATE PROFILED : 27/01/2024

ELEVATION : 1483m
LATITUDE : 5159220.64
LONGITUDE : 2500781.28

TYPE SET BY : PHILANI ZUMA
SETUP FILE : DWG (CAD)

DATE : 08/02/2024
TEXT :

HOLE No.: **TP 4**


2024/01/27

APPENDIX 2:

LABORATORY TEST RESULTS

230 Albertus Street
La Montagne, Pretoria, South Africa 0184
(PO Box 72928, Lynnwood Ridge, South Africa 0040)
T +27 12 813 4900 E info@soillab.co.za
www.soillab.co.za

TEST REPORT S24/0040

	GUDUNKOMO INVESTMENTS & CONSULTING
For	OFFICE A2 & A3, GREENOAKS OFFICE PARK CNR. BERKER & GREGORY AVENUE 1685
Date	2024-02-09
Attention	MANQOBA ZONDO
Your Reference	BODIBE COMMUNITY LIBRARY

Sample(s)	Test(s) Conducted	Date requested	Test Method(s) used	Sampling method & Date	Test(s) done at	Test(s) dates
S24/0040/1	• Road Indicator (sieve analysis to 0.075mm & Atterberg limits) • Untreated Material - Mod. AASHTO Effort • CBR Compaction and Penetration @ Mod. AASHTO, NRB & Proctor Efforts(excl. M/D determination)****	2024-01-29	• SANS 3001 GR1, GR10 • SANS 3001 GR30 • SANS 3001 GR40	Sampling by client	PRETORIA	2024-01-31 2024-02-09
S24/0040/3	• Foundation Indicator (rel. density, sieve analysis to 0.002mm & Atterberg limits)	2024-01-29	• SANS 3001-GR1, GR3, GR10, TMH1 A12T			
S24/0040/4	• Foundation Indicator (rel. density, sieve analysis to 0.002mm & Atterberg limits)	2024-01-29	• SANS 3001-GR1, GR3, GR10, TMH1 A12T			
S24/0040/5	• Foundation Indicator (rel. density, sieve analysis to 0.002mm & Atterberg limits)	2024-01-29	• SANS 3001-GR1, GR3, GR10, TMH1 A12T			
S24/0040/6	• pH Value • Electrical Conductivity	2024-01-29	• TMH1 A20 • TMH1 A21T			
S24/0040/6	• Untreated Material - Proctor Effort	2024-01-29	• *TMH 1 A7			

Note:
**** Decision rule not be applied to the Colto Classification, please enquire if required
*** Non-standard aggregate sizes used in test. Generally smaller aggregates will produce lower values and the larger sizes higher values
** Used tap water to wash and not distilled water
* Not SANAS Accredited:
Results marked "Not SANAS Accredited" in this report are not included in the SANAS Schedule of Accreditation for this laboratory / certification body / inspection body.
Sample and sampling environmental conditions will only be noted if it is abnormal, not according to test method specification or can have an influence on the final result
The test results are only applicable to the samples tested.



Technical Signatory (Soils)

The results relate only to the items tested
Opinions and interpretations expressed herein are outside the scope of SANAS accreditation
Refer to the Scope of Accreditation for details regarding the technical signatories
This test report shall not be reproduced except in full, without written approval of the laboratory

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Cor Albertus & Analees Street, La Montagne, 0184
www.soillab.co.za

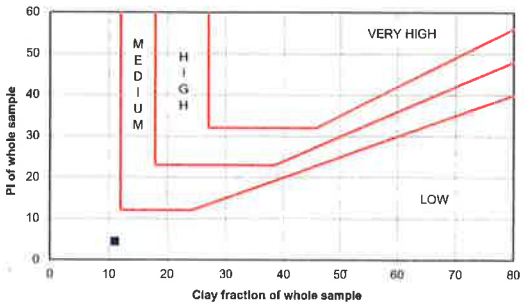
R54 revision 1

PARTICLE SIZE ANALYSIS

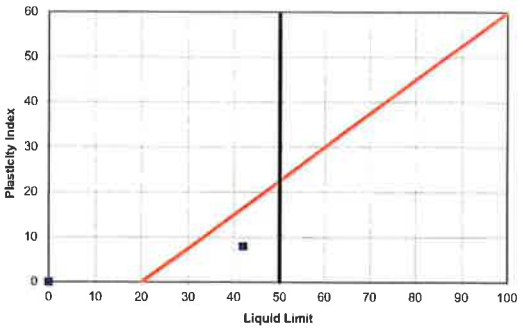
Sample No.	01
Soillab Sample No.	S24-0040-01
Depth (m)	0.70
Position	TP1/1
Material Description	LIGHT OLIVE GRAVELLY SAND
Relative density on < 2 mm (**TMH1 A12T**)	2.699
Organic Material	
Moisture (%)	
SCREEN ANALYSIS (% PASSING) **(SANS 3001:GR1)**	
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	97
20.0 mm	94
14.0 mm	92
5.0 mm	81
2.00 mm	69
0.425 mm	56
0.075 mm	46
HYDROMETER ANALYSIS (% PASSING) **(SANS 3001:GR3)**	
53 µm	34
32 µm	28
14 µm	16
6 µm	11
2 µm	8
% Clay	11
% Silt	23
% Sand	35
% Gravel	31
ATTERBERG LIMITS **(SANS 3001:GR10)**	
Liquid Limit	42
Plasticity Index	8
Linear Shrinkage (%)	3.5
Grading Modulus	1.29
Classification	A-5 (2)
Unified Classification	SM
Chart Reference	

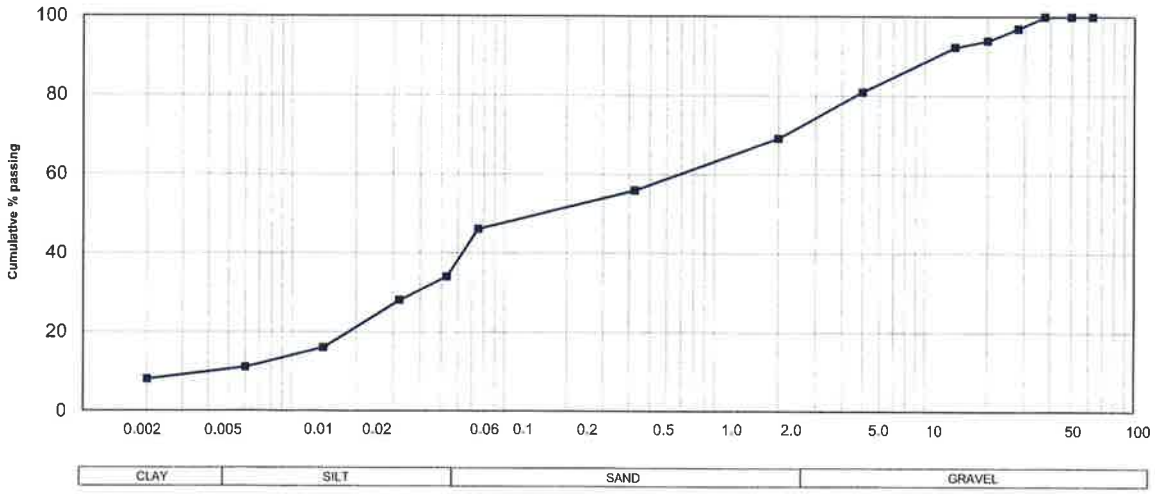
PROJECT : BODIBE COMMUNITY LIBRARY
JOB No. : S24-0040
DATE : 2024-01-31

POTENTIAL EXPANSIVENESS



PLASTICITY CHART





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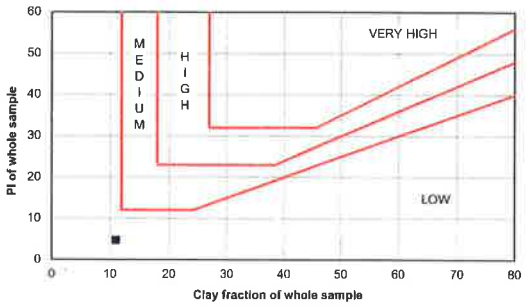
R54 revision 1

PARTICLE SIZE ANALYSIS

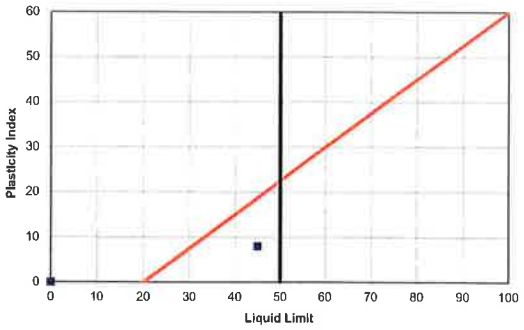
Sample No.	02
Soillab Sample No.	S24-0040-02
Depth (m)	0.70
Position	TP2/1
Material Description	LIGHT OLIVE GRAVELLY SAND
Relative density on < 2 mm (**TMH1 A12T**)	2.634
Organic Material	
Moisture (%)	
SCREEN ANALYSIS (% PASSING) **(SANS 3001:GR1)**	
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	97
20.0 mm	92
14.0 mm	90
5.0 mm	78
2.00 mm	69
0.425 mm	59
0.075 mm	44
HYDROMETER ANALYSIS (% PASSING) **(SANS 3001:GR3)**	
55 µm	34
33 µm	28
14 µm	17
6 µm	11
2 µm	7
% Clay	11
% Silt	23
% Sand	35
% Gravel	31
ATTERBERG LIMITS **(SANS 3001:GR10)**	
Liquid Limit	45
Plasticity Index	8
Linear Shrinkage (%)	4.0
Grading Modulus	1.28
Classification	A-5 (1)
Unified Classification	SM
Chart Reference	■

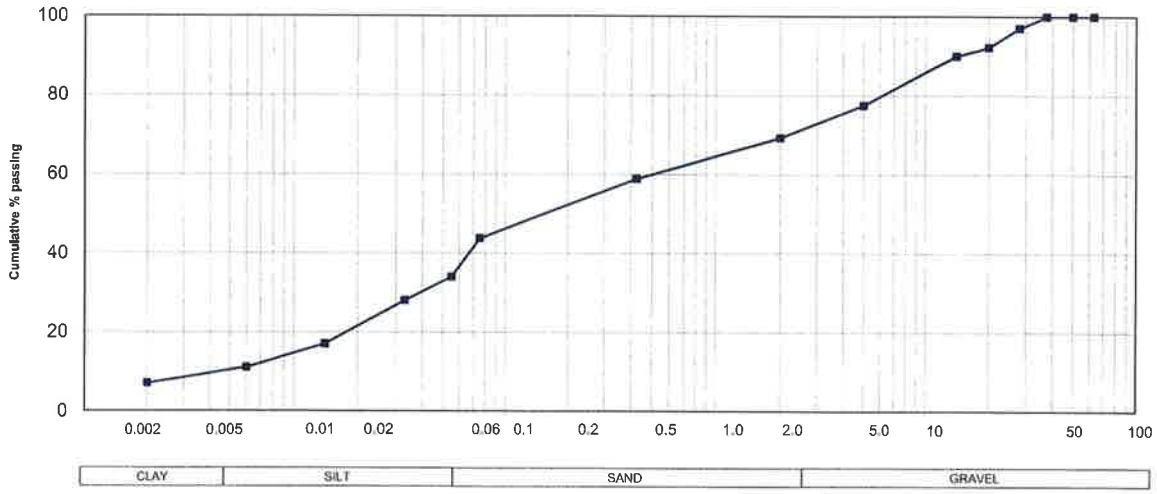
PROJECT : BODIBE COMMUNITY LIBRARY
JOB No. : S24-0040
DATE : 2024-01-31

POTENTIAL EXPANSIVENESS



PLASTICITY CHART





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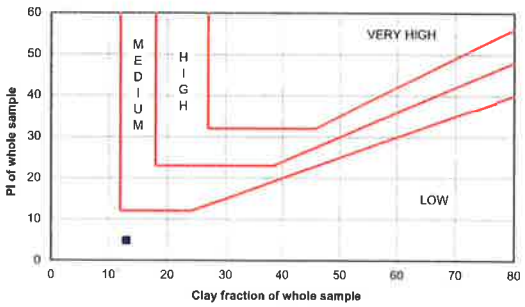
R54 revision 7

PARTICLE SIZE ANALYSIS

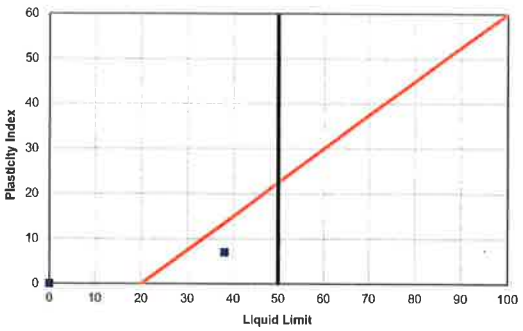
Sample No.	03
Soillab Sample No.	S24-0040-03
Depth (m)	0.70
Position	TP3/1
Material Description	LIGHT OLIVE SILTY SAND
Relative density on < 2 mm (**TMH1 A12T**)	2.676
Organic Material	
Moisture (%)	
SCREEN ANALYSIS (% PASSING) **(SANS 3001:GR1)**	
63.0 mm	100
50.0 mm	100
37.5 mm	100
28.0 mm	100
20.0 mm	95
14.0 mm	93
5.0 mm	85
2.00 mm	78
0.425 mm	69
0.075 mm	58
HYDROMETER ANALYSIS (% PASSING) **(SANS 3001:GR3)**	
52 µm	44
31 µm	38
14 µm	20
6 µm	13
2 µm	5
% Clay	13
% Silt	31
% Sand	34
% Gravel	22
ATTERBERG LIMITS **(SANS 3001:GR10)**	
Liquid Limit	38
Plasticity Index	7
Linear Shrinkage (%)	3.5
Grading Modulus	0.95
Classification	A-4 (3)
Unified Classification	ML
Chart Reference	

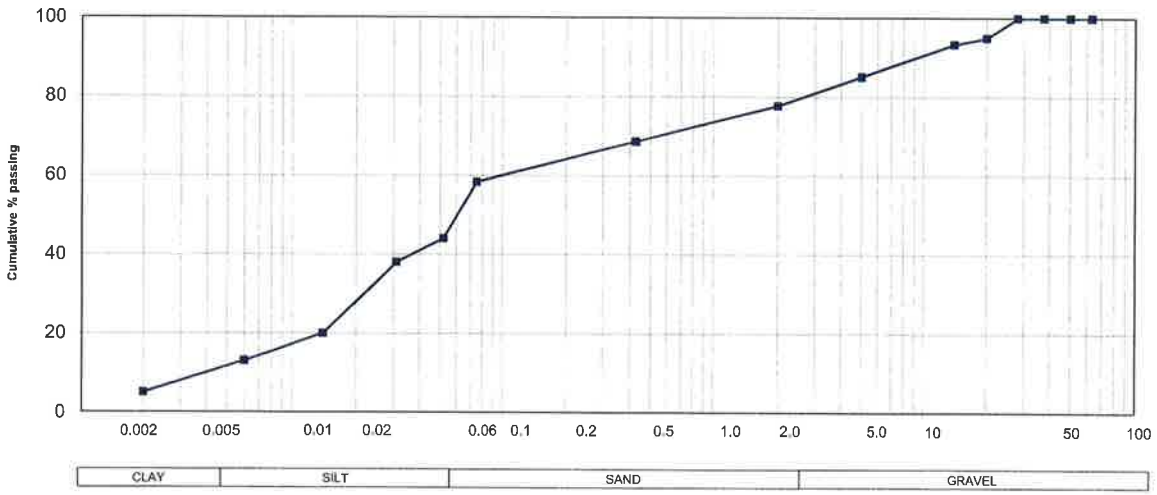
PROJECT : BODIBE COMMUNITY LIBRARY
JOB No. : S24-0040
DATE : 2024-01-31

POTENTIAL EXPANSIVENESS



PLASTICITY CHART





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PO Box 72928, Lynnwood Ridge,
South Africa, 0040

Project Description

Client:	GUDUNKOMO INVESTMENTS & CONSULTING	Soillab Job No.:	S24-0040
Job Description:	BODIBE COMMUNITY LIBRARY	Contract Number:	
Date:	2024/01/31	Reference Number:	

Sample Description

Soillab Sample No.:	S24-0040-01			
Sample Description:	TP1/2			
Sample Depth:	1.0 m			
Material Description:	LIGHT OLIVE			

Screen Analysis (% Passing) - SANS 3001-GR1

75,00 mm	100			
63,00 mm	100			
50,00 mm	100			
37,50 mm	100			
28,00 mm	100			
20,00 mm	100			
14,00 mm	100			
5,00 mm	91			
2,000 mm	77			
0,425 mm	61			
0,075 mm	50			

Soil-mortar percentages - SANS 3001-PR5

Coarse Sand	2.000-0.425mm	21			
Coarse Fine Sand	0,425-0.250mm	3			
Medium Fine Sand	0.250-0.150mm	4			
Fine Fine Sand	0.150-0.075mm	7			
Silt and clay	<0.075mm	65			

Constants

Grading Modulus	SANS 3001-PR5	1.12			
Liquid Limit		40			
Plasticity Index	SANS 3001-GR10	8			
Linear Shrinkage		4.0			

MOD AASHTO - SANS 3001-GR30

Max Dry Density (kg/m³)	1724			
Optimum Moisture Content (%)	17.4			

CBR - SANS 3001-GR40

MOULD A				
Moulding Moisture Content (%)	17.4			
Dry Density (kg/m³)	1724			
Relative Compaction	100.0			
CBR (%)	26			
% Swell	0.5			
MOULD B				
Dry Density (kg/m³)	1635			
Relative Compaction	94.8			
CBR (%)	14			
% Swell	0.8			
MOULD C				
Dry Density (kg/m³)	1548			
Relative Compaction	89.8			
CBR (%)	8			
% Swell	1.1			
CBR (%)				
100% Mod AASHTO	26			
98% Mod AASHTO	21			
97% Mod AASHTO	18			
95% Mod AASHTO	15			
93% Mod AASHTO	12			
90% Mod AASHTO	8			
COLTO Classification:	**G8**			

W.I. 7.8.1 (a)i

SNALAB CIVIL ENGINEERING LABORATORY

sanas T0345

SNA CIVIL AND STRUCTURAL ENGINEERS (PTY) LTD
191 VONKPROP ROAD SAMCORPARK PRETORIA
PO Box 72727 Lynnwood Ridge '0040
Tel :(012) 751-9388
E-MAIL : snalab@sna.co.za
REG. NO. 2005/006128/07

SANAS accredited facility since 2007

TEST REPORT

REPORT NUMBER **30770**

Client :	SOILLAB
Address:	P.O.BOX 72928 LYNNWOOD RIDGE PRETORIA 0040
Cell :	071 610 3443
Tel:	012 813 4900
E-Mail:	mahlangut@soillab.co.za
ATTENTION:	THULISILE
Project/Order:	BODIBE COMMUNITY LIBRARY / PTA 09165
Brief :	PH AND COND

Date requested	01/02/2024
Date sampled	SAMPLED BY CLIENT
Date received	01/02/2024
Date Tested	Start date : 17/01/2023 End date : 06/02/2024
Location of sampling	SAMPLED BY CLIENT
Sampling method/methods	SAMPLED BY CLIENT
Sampling plan	SAMPLED BY CLIENT
Sampled by	SAMPLED BY CLIENT
Sample number	TP1/3
Sample Condition/Description	WHITE SAND STONE
Sample classification	N/A
Sampling Environmental condition	SAMPLED BY CLIENT
Test Method/Methods used	REFER TO TEST REPORT
Test done at	SNALAB(PTA)

Deviation to test methods : Deviations, exclusions or additions will be noted on test result sheets

Test/Tests marked # Not SANAS Accredited in this report are not included in the SANAS Schedule of Accreditation for this laboratory.

The results relate only to the items tested. Any opinions ,classifications , comments and interpretations do not fall within the scope of our SANAS accreditation.

This certificate is issued without any corrections what so ever.

Test report/reports shall not be reproduced except in full, without written approval of the Laboratory.

This test report relates only to samples received.

If the report is referred to as an INTERIM REPORT it is not fit for publication.

The only information that will be made publicly accessible will be to Accreditation Body Assessors or Managers who are equally bounded by confidentiality undertakings.

Information above noted as" **Supplied by Client/Sampled by Client**" may effect the validity of the test results.

Gerda Potgieter
QA / Assiatnt Laboratory Manager
Technical Signatory

2024/02/06
DATE ISSUED:

SNALAB CIVIL ENGINEERING LABORATORY

Project	BODIBE COMMUNITY LIBRARY		Lab No :	30770
			Client No :	2300
Rd/Sect/Bp			Date :	01/02/2024
Layer/ Test pit	S24-0040			W.I.7.8.1(g)i

HOLE & / SAMPLE No.		TP1/3			
MATERIALS DESCRIPTION		WHITE SAND STONE			
DEPTH (mm)		0.8			
INDICATORS					
METHODS:	SIEVE mm	% PASSING			
SANS 3001-GR 1 + GR2 + GR5	100.0				
	90.0				
	75.0				
	63.0				
	50.0				
	37.5				
	28.0				
	20.0				
	14.0				
	5.0				
	2.00				
	0.425				
	0.075				
	GM				
	SOIL MORTAR ANALYSIS (% vs # mm)				
	2.0 - 0.425				
	0.425 -0.250				
	0.250 - 0.150				
	0.150 - 0.075				
	<0.075				
ATTERBERG LIMITS (%)					
SANS 3001 GR 10	LL				
	PI				
	LS				
CHEMICAL ANALYSES					
TMH 1: A20	Ph	8.47			
TMH 1: A21T	CONDUCTIVITY (S/m)	0.0076			
MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT					
SANS 3001 GR 30	MDD kg/m³				
	OMC %				
CALIFORNIA BEARING RATIO					
SANS 3001 GR 40	100 % Comp				
	98 % Comp				
	97 % Comp				
	95 % Comp				
	93 % Comp				
	90 % Comp				
	Swell at 100 %				
CLASSIFICATIONS					
AASTHO Classification #		A-4 (8)	( )	( )	( )
G- Classification #					

Remarks: The results relate only to the items tested. Any opinions ,classifications , comments and interpretations do not fall within the scope of our SANAS accreditation.

Date: 2024/02/06

Technician:

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La Montagne, Pretoria, South Africa 0184
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www.soillab.co.za

TEST REPORT

S24/0040

GUDUNKOMO INVESTMENTS & CONSULTING

For: OFFICE A2 & A3, GREENOAKS OFFICE PARK
CNR. BERKER & GREGORY AVENUE
1685

Date: 2024-02-09

Attention: MANQOBA ZONDO

Your Reference: BODIBE COMMUNITY LIBRARY

Sample(s)	Test(s) Conducted	Date requested	Test Method(s) used	Sampling method & Date	Test(s) done at	Test(s) dates
S24/0040/2	• Collapse Potential	2024-01-29	• TMH 6 ST 10	Sampling by client	PRETORIA	2024-01-31 2024-02-09

Note:
**** Decision rule not be applied to the Colto Classification, please enquire if required.
*** Non-standard aggregate sizes used in test. Generally smaller aggregates will produce lower values and the larger sizes higher values.
** Used tap water to wash and not distilled water.
* Not SANAS Accredited:
Results marked "Not SANAS Accredited" in this report are not included in the SANAS Schedule of Accreditation for this laboratory / certification body / inspection body.
Sample and sampling environmental conditions will only be noted if it is abnormal, not according to test method specification or can have an influence on the final result
The test results are only applicable to the samples tested.

I accept this document
Miss EB Lefoka
Technical Signatory (Geolab)

The results relate only to the items tested
Opinions and interpretations expressed herein are outside the scope of SANAS accreditation
Refer to the Scope of Accreditation for details regarding the technical signatories
This test report shall not be reproduced except in full, without written approval of the laboratory

Collapse Potential

Project:	Bodibe Community Library
Client:	Gudunkome Investments & Consulting
Geolab Job Nr:	S24-0040
Test Method:	TMH 6 ST10

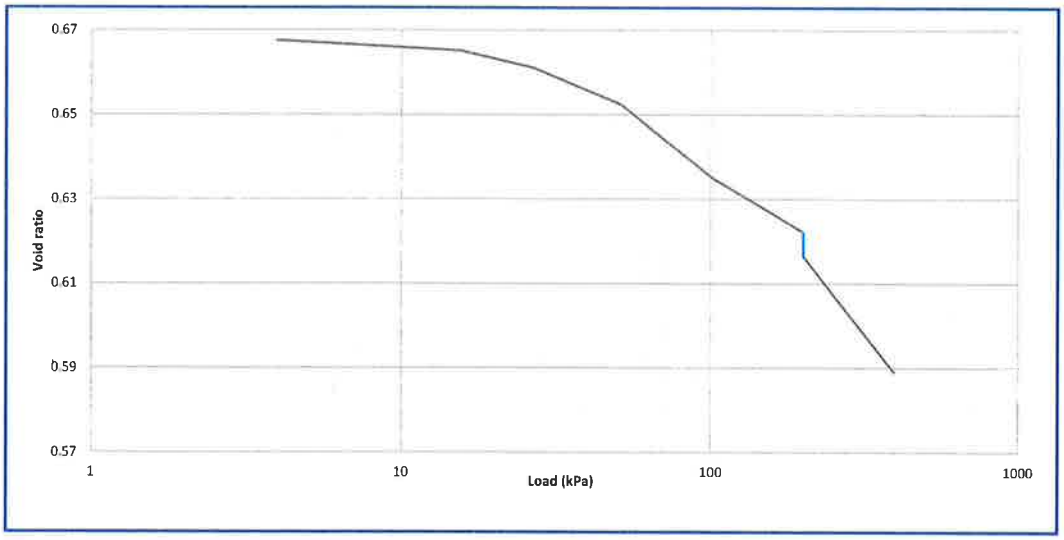
Sample Nr:	TP3/1
Sample Depth:	0.9m
Date:	09/02/2024

Results	
Collapse Potential:	0.3 %

Sampling Method:	Bag
Disturbed/Undist:	Disturbed
Remoulded To:	NA

Load kPa	Height mm	Void Ratio
4.0	19.38	0.668
15.6	19.351	0.665
27.2	19.304	0.661
51.8	19.203	0.652
101.6	19.001	0.635
199.6	18.852	0.622
199.6	18.786	0.616
397.2	18.468	0.589

	Initial	Final	
Sample Height:	19.38	18.47	mm
Sample Mass:	111.1	115.9	g
Dry Density:	1625	1706	kg/m³
Density	1903	2085	kg/m³
Moisture Content:	17.1	22.2	%
Void Ratio:	0.668	0.589	
Specific Gravity:	2.710		Mg/m³



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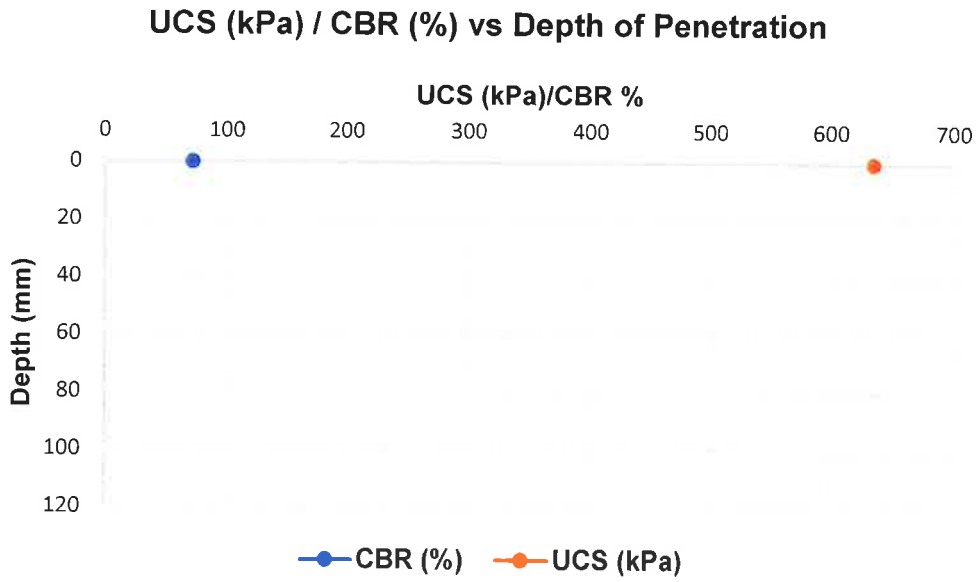
APPENDIX 3:

LIGHT DYNAMIC PENETROMETER TEST RESULTS

Client	Isago Architecture	**Location**	26.06052 S 25.86075 E
Project	Bodibe Community Library	**Date**	27-01-24
DPL No.	1	**Operator**	ML. Zondo
Notes	Conducted at the base of TP1, 1200mm below EGL.		

Depth (mm)	Blows per 100mm	DCP DN (mm/blow)	CBR (%)	UCS (kPa)
0				
100	25	4	70	635

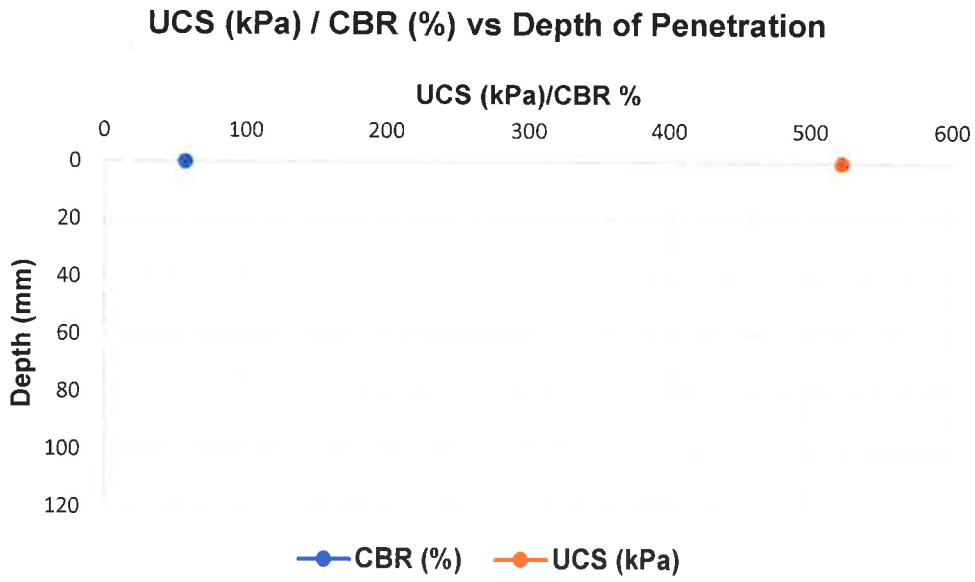
Refusal at 1290mm



Client	Isago Architecture	**Location**	26.06055 S 25.86072 E
Project	Bodibe Community Library	**Date**	27-01-24
DPL No.	2	**Operator**	ML. Zondo
Notes	Conducted on EGL.		

Depth (mm)	Blows per 100mm	DCP DN (mm/blow)	CBR (%)	UCS (kPa)
0				
100	21	5	56	522

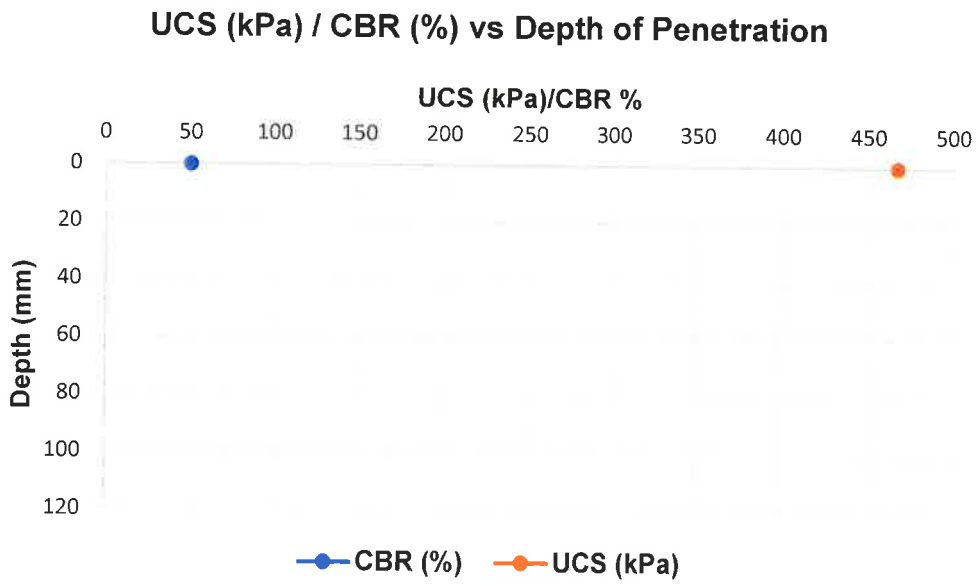
Refusal at 70mm



Client	Isago Architecture	**Location**	26.06033 S 25.86058 E
Project	Bodibe Community Library	**Date**	27-01-24
DPL No.	3	**Operator**	ML. Zondo
Notes	Conducted at the base of TP2, 1100mm below EGL.		

Depth (mm)	Blows per 100mm	DCP DN (mm/blow)	CBR (%)	UCS (kPa)
0				
100	19	5	50	467

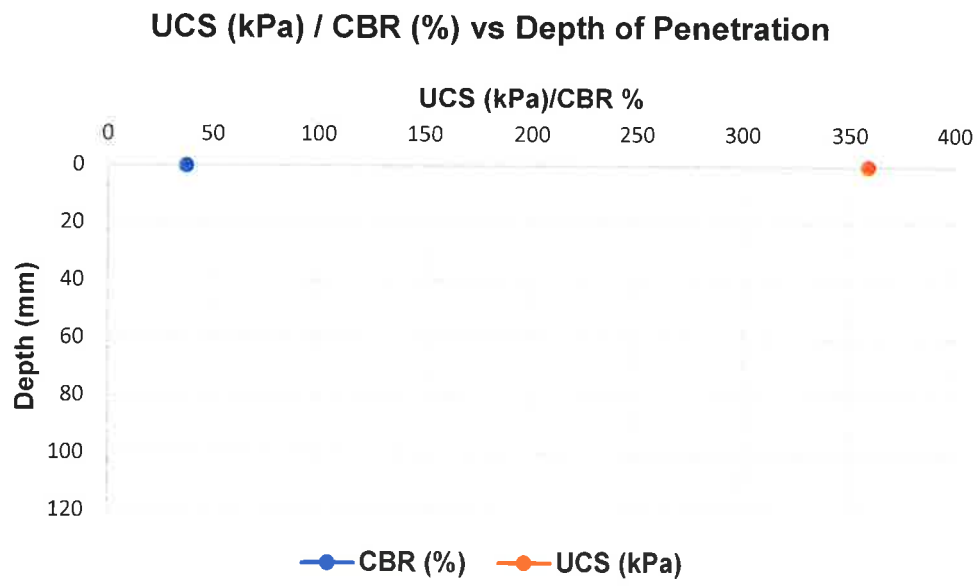
Refusal at 1199mm



Client	Isago Architecture	**Location**	26.06036 S 25.86059 E
Project	Bodibe Community Library	**Date**	27-01-24
DPL No.	4	**Operator**	ML. Zondo
Notes	Conducted on EGL.		

Depth (mm)	Blows per 100mm	DCP DN (mm/blow)	CBR (%)	UCS (kPa)
0				
100	15	7	37	359

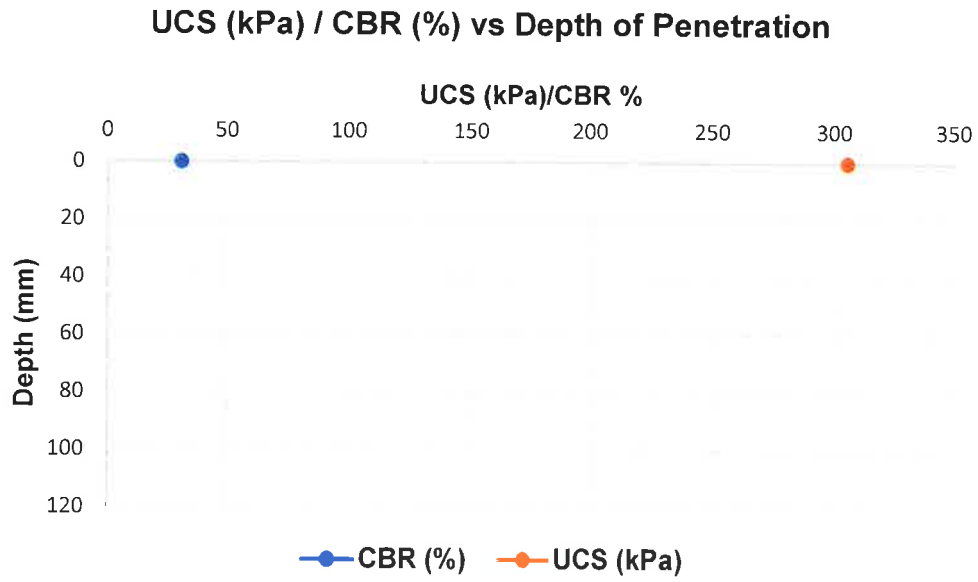
Refusal at 85mm



Client	Isago Architecture	**Location**	26.06067 S 25.86061 E
Project	Bodibe Community Library	**Date**	27-01-24
DPL No.	5	**Operator**	ML. Zondo
Notes	Conducted at the base of TP3, 1000mm below EGL.		

Depth (mm)	Blows per 100mm	DCP DN (mm/blow)	CBR (%)	UCS (kPa)
0				
100	13	8	31	306

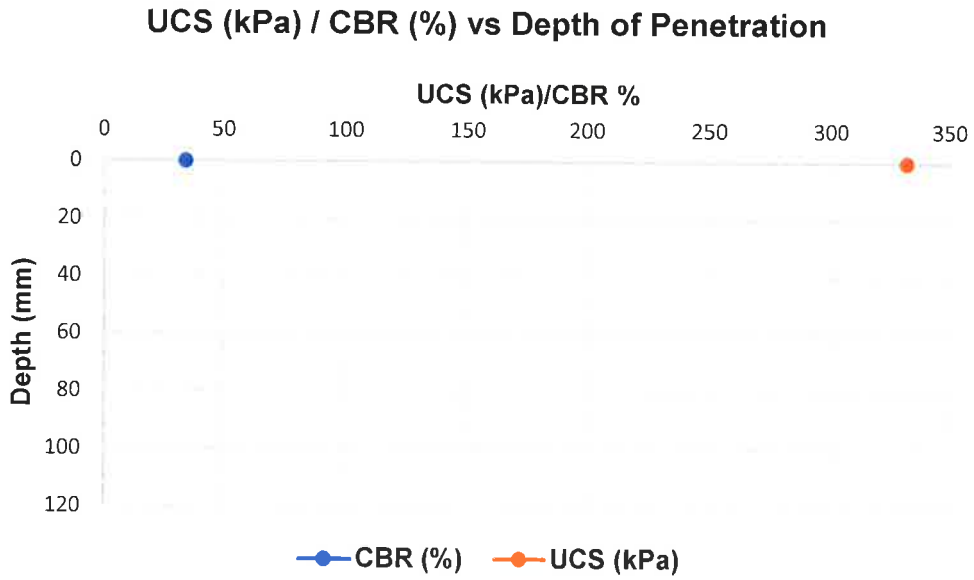
Refusal at 1090mm



Client	Isago Architecture	**Location**	26.06067 S 25.86065 E
Project	Bodibe Community Library	**Date**	27-01-24
DPL No.	6	**Operator**	ML. Zondo
Notes	Conducted on EGL.		

Depth (mm)	Blows per 100mm	DCP DN (mm/blow)	CBR (%)	UCS (kPa)
0				
100	14	7	34	332

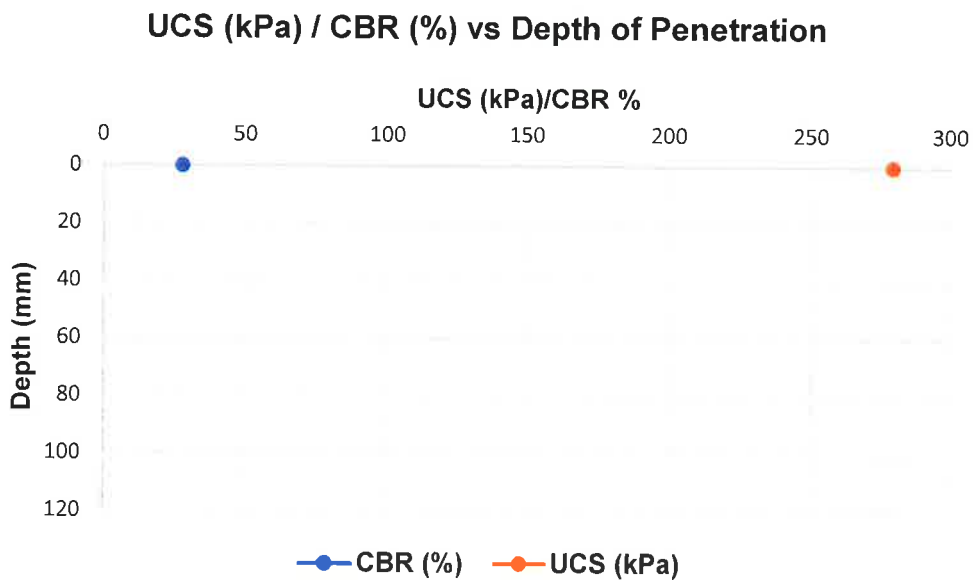
Refusal at 87mm



Client	Isago Architecture	**Location**	26.06085 S 25.86043 E
Project	Bodibe Community Library	**Date**	27-01-24
DPL No.	7	**Operator**	ML. Zondo
Notes	Conducted at the base of TP4, 1350mm below EGL.		

Depth (mm)	Blows per 100mm	DCP DN (mm/blow)	CBR (%)	UCS (kPa)
0				
100	12	8	28	279

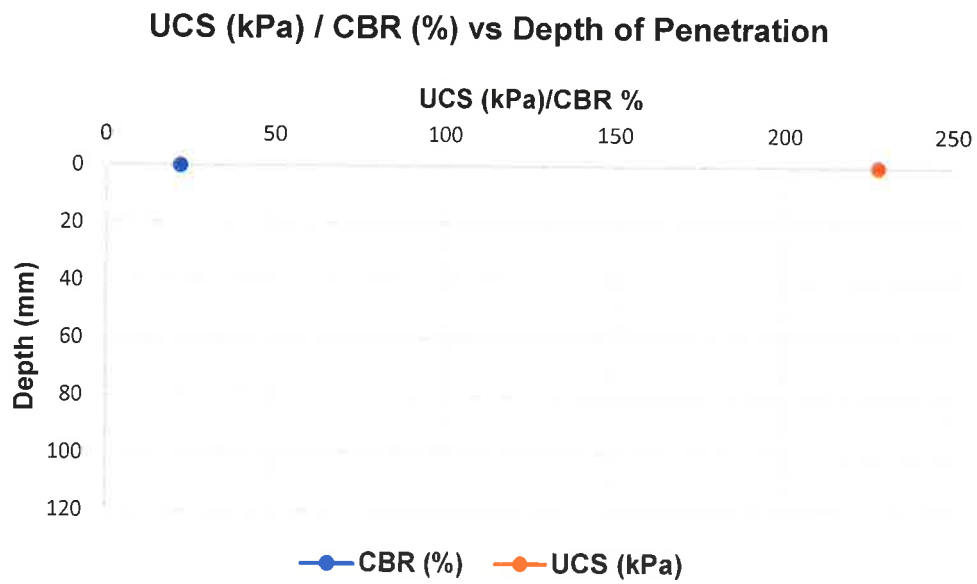
Refusal at 1410mm



Client	Isago Architecture	**Location**	26.06084 S 25.86048 E
Project	Bodibe Community Library	**Date**	27-01-24
DPL No.	8	**Operator**	ML. Zondo
Notes	Conducted on EGL.		

Depth (mm)	Blows per 100mm	DCP DN (mm/blow)	CBR (%)	UCS (kPa)
0				
100	10	10	22	228

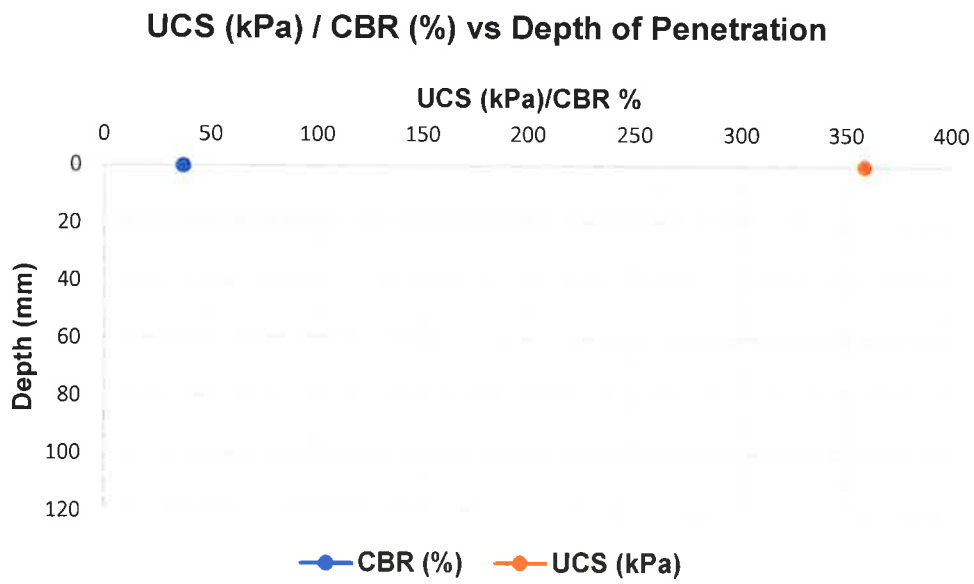
Refusal at 70mm



Client	Isago Architecture	**Location**	26.06081 S 25.86065 E
Project	Bodibe Community Library	**Date**	27-01-24
DPL No.	9	**Operator**	ML. Zondo
Notes	Conducted on EGL.		

Depth (mm)	Blows per 100mm	DCP DN (mm/blow)	CBR (%)	UCS (kPa)
0				
100	15	7	37	359

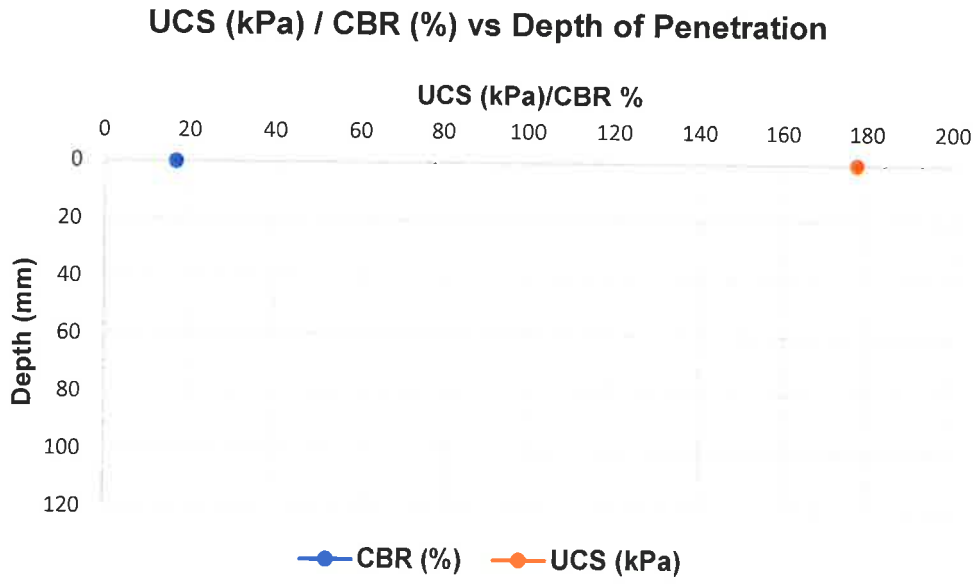
Refusal at 80mm



Client	Isago Architecture	**Location**	26.06071 S 25.86052 E
Project	Bodibe Community Library	**Date**	27-01-24
DPL No.	10	**Operator**	ML. Zondo
Notes	Conducted on EGL.		

Depth (mm)	Blows per 100mm	DCP DN (mm/blow)	CBR (%)	UCS (kPa)
0				
100	8	13	17	178

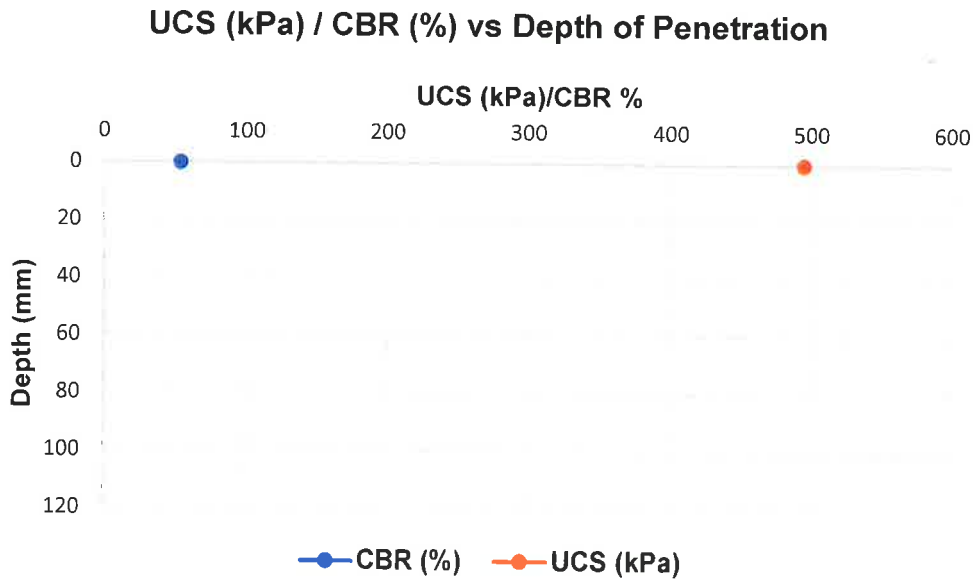
Refusal at 60mm



Client	Isago Architecture	**Location**	26.0605 S 25.86054 E
Project	Bodibe Community Library	**Date**	27-01-24
DPL No.	11	**Operator**	ML. Zondo
Notes	Conducted on EGL.		

Depth (mm)	Blows per 100mm	DCP DN (mm/blow)	CBR (%)	UCS (kPa)
0				
100	20	5	53	495

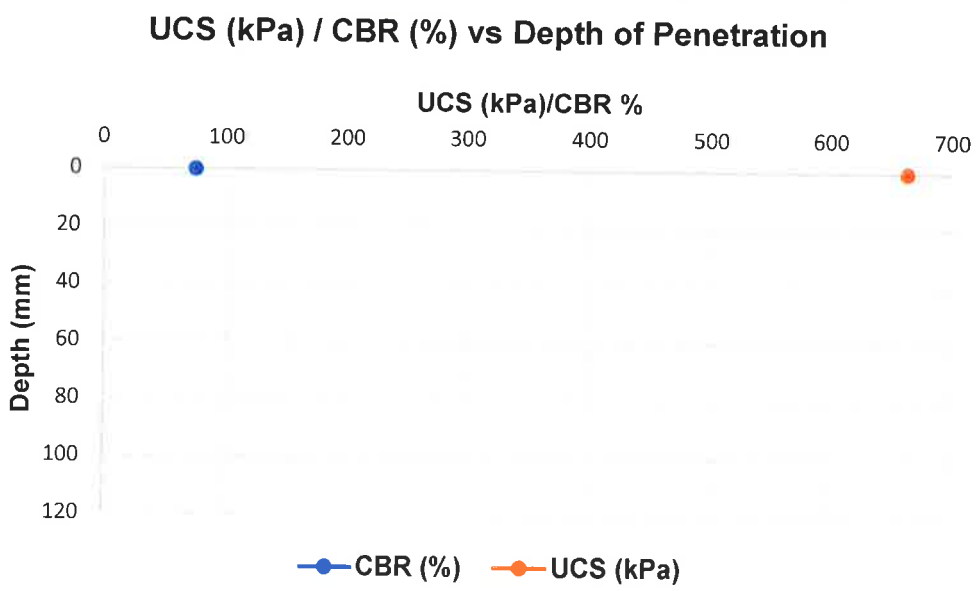
Refusal at 103mm



Client	Isago Architecture	**Location**	26.06045 S 25.86065 E
Project	Bodibe Community Library	**Date**	27-01-24
DPL No.	12	**Operator**	ML. Zondo
Notes	Conducted on EGL.		

Depth (mm)	Blows per 100mm	DCP DN (mm/blow)	CBR (%)	UCS (kPa)
0				
100	26	4	74	663

Refusal at 130mm



isagoarchitecture

APPENDIX 4:

PERCOLATION TEST RESULTS

GUDUNKOMO
INVESTMENTS AND CONSULTING

KWAZULU-NATAL OFFICES

Pietermaritzburg: Unit 1B, J&H House, 12 Cascades Park, Cascades, 3200. Tel: +27 33 940 1686

Ladysmith: Suite No. 2, Residency Business Park, Residency Road, 3370. Tel: +27 36 631 0437

Richards Bay: Suite No. 10, Quay Walk Building, Pioneer Road, Tuzi Gazi Waterfront, 3900. Tel: +27 35 940 3033

Fax2Email: 086 764 3848 | Email: info@gudunkomo.co.za

GAUTENG OFFICE:

Midrand: Office No. A2 & A3, Greenoaks Office Park, Cnr. Bekker & Gregory Ave., Vorna Valley, 1685. Tel: +27 11 805 8317

Fax: +27 11 805 8457 | Email: info@gudunkomo.co.za

REG: 2016/153520/07 | VAT NO: 4610245864

Client	Isago Architecture	**Field Technician**	ML. Zondo
Project	Bodibe Community Library	**Test Pit No.**	3
Date	27/01/2024	**Position**	26.06067 S 25.86061 E

PERCOLATION TEST REPORT

Depth (mm)	Soil Description (as recommended by SAIEG (1996) and according to the MCCSSO method of profiling by Jennings et al.
0 - 310	Dry, grey brown mottled light grey, medium dense to dense, honeycombed, fine sand. AEOLIAN
310 - 1000	Dry, light grey speckled, dense, intact, sand. POWDER TO NODULAR CALCRETE

Percolation rate (average time in minutes for a 25mm drop in water level)	Rate of application of effluent to the subsoil (l/m2 soakpit wall area/day)	Category
0 to 3	108 Maximum	
3 to 5	108 - 100	
6 to 10	99 - 80	
11 to 15	79 - 65	
16 to 20	64 - 53	
21 to 26	52 - 40	
27 to 30	Not Permitted	X

Test in accordance with National Building Regulations Act No. 103 of 1977

ADDENDUM J

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 means 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 MEAUSRES

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 complaint 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 complaint 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 arty 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 ……..**202……B.**

AS WITNESSES:

A. _____ _____

For and on behalf of the **Employer: (…….)**, in his/her capacity as the ----------

B. _____ _____

For and on behalf of the **Employer: (……..)**,in his/her capacity as the ----------

---.

Signed at …… on this the …… day of ……**202…**

AS WITNESSES:

C. _____

f

D. _____ _____

For and on behalf of the **Contractor: …….**

in his/her capacity as ……,

who hereby confirm that he/she is duly authorized.