INDEPENDENT DEVELOPMENT TRUST

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

APPOINTMENT OF A CONTRACTOR FOR THE SCOPE COMPLETION OF MATHIBESTAD CHC FOR THE DEPARTMENT OF HEALTH, NORTH WEST PROVINCE.

BID NO: DOH08NWER002/CON14

CLOSING DATE AND TIME: 30 OCTOBER 2026 2026 @ 12H00

Independent Development Trust

SCM / Technical Enquiries

E-mail: NWDOHTenders@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 scope of works comprises of the construction of two (3) new buildings [(1) Generator Building, (2) Staff Residence Block B and (3) Invertor Station.]
- The scope of work also comprises of alterations, renovations, and completion of twenty-one (21) existing buildings [(1) Crisis Control, (2) CTOP, (3) Dental, (4) Emergency, (5) Main Reception & Admin, (6) Maternity Ward, (7) Medical Ward, (8) Theatre, (9) Out Patients. (10 Pharmacy, (11) Service Building, (12) Staff Residence Block A, (13) Guard House, (14) Radiology, (15) MMC, (16) Garden Store & Cylinder, (17) Medical Waste & Refuse, (18) Water Reticulation Pump Room, (19) Fire Reticulation Pump Room, (20) Kitchen, and (21) Gas Cylinder Storage.]
- The scope of work also comprises of external works [(1) demolition of temporary water supply and soil drainage, (2) Upgrade and new water supply, soil drainage and stormwater management, (3) Reinstatement and rectification of existing paving to roads and parking areas, (4) Alterations and additions to internal link passages, (5) Alterations and additions of security boundary walls

(6) Alterations and additions to covered Carports, (7) New Photovoltaic structure, (8) New Telecommunication mast base & enclosure, and (9) Landscaping].

- The scope of work also comprises of Electrical, Electronic, Photovoltaic 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 SCOPE COMPLETION OF MATHIBESTAD CHC FOR THE DEPARTMENT OF HEALTH, NORTH WEST PROVINCE.

BID NUMBER: DOH08NWER002/CON14

CLOSING DATE AND TIME: 30 October 2026 @ 12H00

On behalf of the Department of Health, North West Province, the Independent Development Trust, invites bidders for the **APPOINTMENT OF A CONTRACTOR FOR THE SCOPE COMPLETION OF MATHIBESTAD CHC FOR THE DEPARTMENT OF HEALTH, NORTH WEST PROVINCE.**

Only tenders who have a CIDB contractor grading of **Grade 8GB (General Building) or higher; and comply with the tender conditions will be legible.**

Documents will be available from the ***23 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: NWDOHTenders@idt.org.za

Technical Enquiries
E-mail: NWDOHTenders@idt.org.za

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 **MATHIBESTAD CHC** IN MORETELE LOCAL MUNICIPALITY, BOJANANA PLATINUM DISTRICT OF THE NORTH WEST PROVINCE on **02 October 2026 at 11H00**. The site is accessible from Makapanstad Road. The central coordinates of the site are **25° 16’ 05.7” S, 28° 09’ 15.30” 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**: 02 October 2026 @ 11H00**
- Bid Closing Date: 30 October 2026

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. (**Failure to comply with the criteria stated hereunder shall result in the tender offer being disqualified from further consideration)**

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). Such information or documentation must be submitted within seven (7) calendar days of the request, or within the period stipulated in the request correspondence. Failure to submit the required information or documentation within the prescribed timeframe may result in disqualification.

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 active CIDB number – Grade **8GB or higher** (JV's to hold a consolidated CIDB Grading, which equates to the required grading or higher).

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 Bidders must provide their valid CSD MAAA Number for verification purposes at the time of bid submission.

1.2.6 Attendance of the compulsory site briefing meeting and ensure that the attendance register is signed at the briefing session.

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 Active **SACPCMP** Professional registration for the Construction Manager /Construction Project Manager (**Pr. CM/CPM)** for the person that will be assigned to play a role of a construction manager for this project.

1.2.11 Active **SACPCMP** Professional registration for the Construction Health and Safety person as CHSO, CHSM or CHSA for the person that will be assigned to play a role of health and safety officer for this project.

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 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 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 meet all mandatory requirements will be evaluated further on functionality.

Phase 2: Functionality criteria

Phase 2 comprises the evaluation of functionality, technical requirements. Only Bidders who obtain a minimum score of **70% (70 Points)** for functionality will be eligible to proceed to **Phase 3** of the evaluation process. The table below, specifies in the functionality, technical criteria that will be applied during the evaluation.

In addition to achieving the overall minimum qualifying score for functionality, Bidders shall 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 further evaluation.

Criteria	Maximum Points Allocation	Minimum Points
Relevant Previous Experience on completed projects of a similar nature and value undertaken 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 OR Signed and Contactable reference letters from previous clients.	15 points	6 points
Qualifications, Skills and Experience of project key personnel	35 points	20 points
Financial Viability	15 points	10 points
Total	**100 points**	
NB: Minimum qualifying functionality overall threshold is **70 points out of 100**		

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/low cost housing)

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 financial documentation

Only bidders who are competent and who have achieved the minimum functionality threshold of 70 points or higher will be evaluated on 90/10 (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 90 points will be allocated for price and 10 points for specific goals. The 90/10 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 (90/10 system)	Number of points claimed (90/10 system) (To be completed by the tenderer)
Women Ownership	3	
Youth Ownership	3	
People with Disabilities Ownership	2	
Black Ownership	2	
Total points for Price and Specific Goals	**100**	

Source Documents to be submitted with the Tender:

The following source documents must be submitted with the bid in order to claim points. Failure to submit any of the below source documents will result in zero points being allocated.

- CIPC Company Registration Document must be submitted for verification purposes. If ownership details are not reflected on the CIPC document, a Share certificate must be

submitted as proof of ownership.
- 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 ***NWDOHTenders@idt.org.za*** during office hours (08h30 – 17h00) weekdays.

Enquiries will be accepted until the ***23 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 ***30 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

Coordinates: -25.840572823247275, 25.635841809942292

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 SCOPE COMPLETION OF MATHIBESTAD CHC FOR THE DEPARTMENT OF HEALTH, 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 SCOPE COMPLETION OF MATHIBESTAD CHC FOR THE DEPARTMENT OF HEALTH, NORTH WEST PROVINCE.– BID NUMBER: DOH08NWER002/CON14
F.1.1	The employer is the **Independent Development Trust on behalf of the Department: Health, 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: **TONDOLO PARTNERSHIP** **Dr. M. Tondolo** 200 Bram Fischer Dr, Kensington B, Sandton, 2010 Tel: (011) 789 4296 E- mail: mary@tondolo.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 Health 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). which shall be submitted within seven (7) calendar days from request and failure to submit will result in disqualification. **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 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** Active SACPCMP Professional registration for the Construction Manager / Construction Project Manager (Pr. CM/CPM) assigned to this project **1.2.11** Active SACPCMP Professional registration for the Construction Health and Safety person 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 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 8GB** 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 8GB** 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 **8GB** 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 02 October 2026 @ 11h00 at Mathibestad CHC. The GPS coordinates are latitude -25° 16' 05.7" S, and longitude 28° 09' 15.30" 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 NWDOHTenders@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 SCOPE COMPLETION OF MATHIBESTAD CHC FOR THE DEPARTMENT OF HEALTH, NORTH WEST PROVINCE.– BID NUMBER: DOH08NWER002/CON14
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 SCOPE COMPLETION OF MATHIBESTAD CHC FOR THE DEPARTMENT OF HEALTH, NORTH WEST PROVINCE.– BID NUMBER: DOH08NWER002/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: DOH08NWER002/CON14** **Description: APPOINTMENT OF A CONTRACTOR FOR THE SCOPE COMPLETION OF MATHIBESTAD CHC FOR THE DEPARTMENT OF HEALTH, 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 SCOPE COMPLETION OF MATHIBESTAD CHC FOR THE DEPARTMENT OF HEALTH, NORTH WEST PROVINCE.– BID NUMBER: DOH08NWER002/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 ***30 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.

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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 90/10 preference point system is applicable, corresponding points must also be indicated as such.* *Note to tenderers: The tenderer must indicate how they claim points for each preference point system.***)**

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

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**		

NB: Bidders must obtain a minimum overall score of 70 out of 100 points for functionality. Furthermore, bidders must achieve the minimum threshold prescribed for each evaluation criterion. Failure to meet the minimum threshold for any critical criterion shall render the bid non-responsive.

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/Renovations 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/low cost housing)

To score points on this item, the following must be submitted:

i. Signed appointment letter(s) in the relevant official Client letterhead clearly showing the project value / amount
ii. Signed proof of project completion from the client confirming completion of such a project. (i.e. Completion Certificate or letter)
iii. For subcontracted work, submit the appointment letter and proof of project completion as stated in (i) & (ii) together with the appointment letter and proof of project completion for the main contractor

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

	Similar completed projects (as per CIDB level 8GB & above – Tender Value Limit between R 60 000 001 and above	**Similar completed projects (as per CIDB level 7GB – Tender Value Limit between R 20 000 001 to R 60 000 000)**	**Similar Completed projects (as per CIDB level 6GB – Tender Value Limit between R 10 000 001 to R 20 000 000)**	**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**

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 (CLIENT or CLIENT AGENT). 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:

To score points on this item, the following must be submitted:

i. Signed and stamped client references in the forms supplied in this document, or

ii. Signed and verifiable reference letters from previous clients on official client letterheads, including contact details of the relevant client representative. (Bidders who submit client references in their own format shall be eligible to score up to a maximum of 2 points, subject to the reference containing all required information for assessment.)

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):

To score points on this item, the following must be submitted:

i. Project team Organogram to confirm personnel

ii. Relevant originally certified evidence of qualifications for the allocated required Key Project Resources (certification must not be older than 6 months)

iii. Curriculum Vitae

iv. Active and valid professional registration certificate or a letter of good standing from the respective council.

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 (5 points)	Qualification within the Built Environment (9 points)			Years of experience within the BuiltEnvironment (14 points)			
	(SACPCMP & ECSA)	Degree (NQF 7) or higher	Diploma (NQF 6)	National Senior Certificate(NQF 4) similar	10 or above years	5 - 9 years	1 - 4 years	< 1 year
Project / Contract Manager	5	4	3	2	5	4	3	1
Site Agent	Not required	3	2	1	5	4	3	1
Foreman	Not required	2	1	1	4	3	2	1
Total Points	**5**	**9**	**6**	**4**	**14**	**11**	**8**	**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 key personnel 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 subjectto 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
Signed and stamped bank rating Code **''A'' of R3 Million or higher over the period of 12 Months,** dated within twelve (12) months prior to the tender closing date; or Annual financial statements Not older than **12 months with Cash & Cash Equivalent of R3 Million** and above, signed by an accountant and company director; or signed and stamped bank-issued confirmation of an **approved overdraft facility of not less than R3 million**, dated within twelve (12) months prior to the tender closing date	**15**
Signed and stamped bank rating Code **''B'' of a minimum of R1 Million to over the period of 12 Months,** dated within twelve (12) months prior to the tender closing date; or Annual financial statements Not older than **12 months with Cash & Cash Equivalent of a minimum of R1 Million** and above, signed by an accountant and company director; or signed and stamped bank-issued confirmation of an **approved overdraft facility of not less than minimum of R1 Million**, dated within twelve (12) months prior to the tender closing date	**10**
Non-Submission and 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%			
		Formula 2 Option 1,A=(1- {p-pm/pm})	Formula used to	

FINANCIAL OFFER/PRICE	**80/90**	**pm** =The comparative Price offer of the mean/average qualifying tenderer	calculate Financial Offer/Price points	
		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) Certified certificates of qualification of key staff and CV's including references
c) Traceable References for projects completed
d) Proof of financial capacity

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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 after 12 months, base month being the closing date of the tender.**

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 **not be subject to any form of Contract Price Adjustment Formulae e.g. Haylett Formulae.** In this regard, it is deemed that the Tenderer has allowed for any potential increases (except any variation in the rate of Value Added Tax) in cost of labour, materials, transport, etc. in the Tender amounts, rates, etc. submitted.

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

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

F.4.3 Market Related Wage Rates

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

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

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

F.4.4 Letter of Intent

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

F.4.5 Information to be Submitted by Tenderers

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

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

F.4.6 Interviews

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

F.4.7 Detailed Construction Programme

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

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

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

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

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

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

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

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

F.4.8 Detailed Cash-flow

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

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

FINANCIAL YEAR
01 APRIL 2025 TO 31 MARCH 2026
01 APRIL 2026 TO 31 MARCH 2027

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:

- Water purification plant
- Acoustic insulation
- Landscaping
- Electrical installation
- Electronics installation
- Photovoltaic installation
- Mechanical installation

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 Mathibestad CHC 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 (*NAME OF DEPARTMENT/ PUBLIC ENTITY*)					
BID NUMBER:	DOH08NWER002/CON14	CLOSING DATE:	30 OCTOBER 2026	CLOSING TIME:	12H00
DESCRIPTION	BID DATA FOR APPOINTMENT OF A CONTRACTOR FOR THE SCOPE COMPLETION OF MATHIBESTAD CHC FOR THE DEPARTMENT OF HEALTH, 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	Linnet Barnes	CONTACT PERSON	Noxolo Dikobe
TELEPHONE NUMBER		TELEPHONE NUMBER	
FACSIMILE NUMBER		FACSIMILE NUMBER	
E-MAIL ADDRESS	NWDOHTenders@idt.org.za	E-MAIL ADDRESS	NWDOHTenders@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			

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 90/10 system for requirements with a Rand value of above R50 000 000 (all applicable taxes included)

1.2 To be completed by the organ of state

a) The applicable preference point system for this tender is the 90/10 preference point system.

b) The 90/10 preference point system will be applicable in this tender. The lowest/ highest acceptable tender will be used to determine the accurate system once tenders are received.

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

(a) Price; and

(b) Specific Goals.

1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	**90**
SPECIFIC GOALS	**10**
TARGETED GROUP	
Women Ownership	3
Youth Ownership	3
People with Disabilities Ownership	2
Black Ownership	2
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(90/10 system) (To be completed by the organof state)**	**Number ofpoints claimed (90/10 system) (To be completed by the tenderer)**
Women Ownership	3	
Youth Ownership	3	
People with Disabilities Ownership	2	
Black Ownership	2	

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 People (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 People (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 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 (SBD 4)

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

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

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

2. Bidder's declaration

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling 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 proof of completion. Only projects that are listed below will be considered for evaluation.

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 PROOF OF COMPLETION

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

T2.2.4 EVALUATION SCHEDULE: CLIENT REFERENCES

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, including key personnel that may have to be brought in from outside if not available locally. (definition of local)

CATEGORY OF EMPLOYEE	PROJECT TEAM ORGANOGRAM		
	KEY PERSONNEL NAME	QUALIFIICATION	YEARS OF EXPERIENCE
Contract Manager / Project Manager			
Site Agent			
Foreman			
Health and Safety resource			
Others:.....			

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

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

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

EVALUATION SCHEDULE: CURRICULUM VITAE OF KEY PERSONNEL (COMPULSORY)

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

CV FOR CONTRACTS OR PROJECT MANAGER

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 THE SCOPE COMPLETION OF MATHIBESTAD CHC FOR THE DEPARTMENT OF HEALTH, NORTH WEST PROVINCE.– BID NUMBER: DOH08NWER002/CON14

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 Acceptance and returning one copy of this document to the Tenderer before the end of the period of validity stated in the Tender Data, whereupon the Tenderer becomes the party named as the Contractor in the Conditions of Contract identified in the Contract Data.

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

B. ACCEPTANCE

By signing this part of the Form of Offer and Acceptance, the Employer identified below accepts the Tenderer's Offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the Conditions of Contract identified in the Contract Data. Acceptance of the Tenderer's Offer shall form an agreement between the Employer and the Tenderer upon the terms 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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5 Subject . . . . . .
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Details . . . . . .
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C1.2 CONTRACT DATA

C1.2 Contract Data for BID NO: DOH08NWER002/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.

Part 1: Contract Data Completed by the Employer

Clause **Item and data**

A PROJECT INFORMATION

A 1.0 Works [1.1]

Project name	Scope completion of Mathibestad CHC.
Reference number	DOH08NWER002/CON14
Works description	Alterations, additions, and completion of an unfinished Community Health Centre, including all related site works.

A 2.0 Site [1.1]

Erf / stand number	**N/A**
Township / Suburb	Mathibestad
Site address	Mathibestad, next to Moretele Local Municipality, Bojanala Platinum District, North West Province.
Local authority	Moretele Local Municipality.

A 3.0 Employer [1.1]

Official Name of Organ of State / Public Sector Body	**The Independent Development Trust (North-West Regional Office)**		
Business registration number	**IT669/91**		
VAT/GST number	**458 014 7876**		
Country	**South Africa**		
Employer's representative: Name	Ms. Noxolo. Dikobe		
E-mail	NoxoloD@idt.org.za	Telephone number	018 381 0654
Mobile number	073 365 3681		

Postal address			
		Postal code	
Physical address	4071 Joules Street, Industrial Site,		
	Mafikeng	Postal code	2745

A 4.0 Principal agent [1.1]

Name	Tondolo Partnership		
Legal entity of above	Sole proprietor	Contact person	Mary Tondolo
Practice number		Telephone number	**011 789 4296**
		Mobile number	**083 260 5948**
Country	**South Africa**	E-mail	**mary@tondolo.co.za**
Postal address			
		Postal code	
Physical address	200 Bram Fischer Dr, Kensington B		
	Sandton	Postal code	2010

A 5.0 Agent [1.1; 6.2]

Discipline	**Architect**

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
		Mobile number	
Country		E-mail	
Postal address			
		Postal code	
Physical address			
		Postal code	

A 6.0 Agent [1.1; 6.2]

Discipline	

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
		Mobile number	
Country		E-mail	
Postal address			
		Postal code	
Physical address			
		Postal code	

A 7.0 Agent [1.1; 6.2]

Discipline	

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
		Mobile number	
Country		E-mail	

Postal address			
		Postal code	
Physical address			
		Postal code	

A 8.0 **Agent** [1.1; 6.2]

Discipline	

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
		Mobile number	
Country		E-mail	
Postal address			
		Postal code	
Physical address			
		Postal code	

A 9.0 **Agent** [1.1; 6.2]

Discipline	

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
		Mobile number	
Country		E-mail	
Postal address			
		Postal code	
Physical address			
		Postal code	

A 10.0 **Agent** [1.1; 6.2]

Discipline	

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
		Mobile number	
Country		E-mail	
Postal address			
		Postal code	
Physical address			
		Postal code	

A 11.0 **Agent** [1.1; 6.2]

Discipline	

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
		Mobile number	

Country		E-mail	
Postal address			
		Postal code	
Physical address			
		Postal code	

A 12.0 **Agent** [1.1; 6.2]

Discipline	

Name			
Legal entity of above		Contact person	
Practice number		Telephone number	
		Mobile number	
Country		E-mail	
Postal address			
		Postal code	
Physical address			
		Postal code	

B CONTRACT INFORMATION

B 1.0 Definitions [1.1]

Bills of quantities: System/Method of measurement	**Standard System of Measuring Building Work 1999**

B 2.0 Law, regulations and notices [2.0]

Law applicable to the **works**, state country [2.1]	**South Africa**

B 3.0 Offer and acceptance [3.0]

Currency applicable to this **agreement** [3.2]	**Rand**

B 4.0 Documents [5.0]

The original signed **agreement** is to be held by the **principal agent** [5.2], if not, indicate by whom	**Employer**
Number of copies of **construction information** issued to the **contractor** at no cost [5.6]	**Two**

Documents comprising the **agreement**	Page numbers
The **JBCC**® Principal Building Agreement, Edition 6.2 May 2018	1 to 30
The **JBCC**® Principal Building Agreement - Contract Data for Organs of State and other Public Sector Bodies, Edition 6.2 May 2018	1 to 14
The **JBCC**® General Preliminaries for use with the **JBCC**® Principal Building Agreement, Edition 6.2 May 2018	1 to 7
Contract drawings accompanying these Bills of Quantities	Refer to drawing registers
Priced Bills of Quantities	
Construction Programme & Cashflow projection	
Performance Guarantee	
Insurances	
Health and Safety Plan	
Expanded Public Works Programme (EPWP)	

Contract drawings – description	Number	Revision	Date
Architect's drawings: refer to drawing register			
Engineer's drawings: refer to drawing register			

B 5.0 Employer's agents [6.0]

Authority is delegated to the following **agents** to issue **contract instructions** and perform duties for specific aspects of the **works** [6.2]

Principal Agent and Engineers as delegated by the PA

Principal agent's and **agents**' interest or involvement in the **works** other than a professional interest [6.3]
N/A

B 6.0 Insurances [10.0]

Insurances by **employer** Yes/no? **No**		Amount including **tax**	Deductible amount including **tax**
Contract works insurance:			
	New **works** [10.1.1] (**contract sum** or amount)		
or	**Works** with **practical completion** in **sections** [10.2] (**contract sum** or amount)		
or	**Works** with alterations and additions [10.3] reinstatement value of existing structures with or including new **works)**		
	Direct contractors [10.1.1; 10.2] where applicable, to be included in the contract works insurance		
	Free issue [10.1.1; 10.2] where applicable, to be included in the contract works insurance		
	Escalation, professional fees and reinstatement costs if not included above		
Total of the above contract works insurance amount			
Supplementary insurance [10.1.2; 10.2]			
Public liability insurance [10.1.3; 10.2]			
Removal of lateral support insurance [10.1.4; 10.2]			

Other insurances [10.1.5]				
Yes/no?	**No**	If yes, description 1		
Yes/no?	**No**	If yes, description 2		

and/or

Insurances by **contractor** Yes/no? **Yes**			Amount including **tax**	Deductible amount including **tax**
	New **works** [10.1.1] (**contract sum** or amount)			
or	**Works** with **practical completion** in **sections** [10.2] (**contract sum** or amount)			
or	**Works** with alterations and additions [10.3] reinstatement value of existing structures with or including new **works)**			
	Direct contractors [10.1.1; 10.2] where applicable, to be included in the contract works insurance			
	Free issue [10.1.1; 10.2] where applicable, to be included in the contract works insurance			
	Escalation, professional fees and reinstatement costs if not included above			
Total of the above contract works insurance amount				
Supplementary insurance [10.1.2; 10.2]				
Public liability insurance [10.1.3; 10.2]			**R10,000,000**	
Removal of lateral support insurance [10.1.4; 10.2]				
Other insurances [10.1.5]				
Yes/no?	**No**	If yes, description 1		
Hi Risk Insurance [10.1.5.1]				
Yes/no?	**No**	If yes, description 2		

B 7.0 Obligations of the employer [12.1]

Existing premises will be in use and occupied [12.1.2]		Yes/no?	**Yes**
If yes, description	**Administration area, Pharmacy, Out Patients, Staff Residence Block A and Carports Block C and D will be in use, and occupied.**		

Restriction of working hours [12.1.2]		Yes/no?	No
If yes, description	**N/A**		
Natural features and known services to be preserved by the **contractor** [12.1.3]		Yes/no?	No
If yes, description	**N/A**		
Restrictions to the **site** or areas that the **contractor** may not occupy [12.1.4]		Yes/no?	Yes
If yes, description	**The Contractor will not be permitted to occupy Administration area, Pharmacy, Out Patients, and Staff Residence Block A, and Carports Block C and D, until completion of section 1. Refer to Architect's drawing No. S109**		
Supply of **free issue** [12.1.10]		Yes/no?	Yes
If yes, description	**The list of building materials to be issued free of charge by the employer will be provided to the Contractor by the respective Agent during site possession.** **The Contractor is explicitly not responsible for any defects in free issue materials or goods.** **The Contractor is legally obligated to inspect free issue materials upon taking possession and give notice forthwith to the Principal Agent if the items are received damaged or are found to be flawed upon unpacking.**		

B 8.0 Nominated subcontractors [14.0]

Yes/no?	**Yes**	If yes, description of specialisation

Specialisation 1	**Water tanks refurbishment**
Specialisation 2	**Sewer treatment equipment repairs**
Specialisation 3	
Specialisation 4	
Specialisation 5	

B 9.0 Selected subcontractors [15.0]

Yes/no?	**Yes**	If yes, description of specialisation

Specialisation 1	**Acoustic Insulation**
Specialisation 2	**Water Purification Plant**
Specialisation 3	**Landscaping**
Specialisation 4	**Electrical Installation**
Specialisation 5	**Electronics Installation**
Specialisation 6	**Photovoltaic Installation**
Specialisation 7	**Mechanical Installation**

B 10.0 Direct contractors [16.0]

Yes/no?	**No**	If yes, description of extent of work

Extent of work [12.1.11]	
Extent of work [12.1.11]	
Extent of work [12.1.11]	
Extent of work [12.1.11]	
Extent of work [12.1.11]	

B 11.0 Description of sections [20.1]

Section 1	**Crisis Control, CTOP, Dental, Emergency, Main reception area, Maternity ward, Medical ward, Theatre, Service building, Guard house, Radiology, MMC, Carports block A, B, & E, Garden store & gas cylinder, Medical waste & Refuse, Internal link passage, Boundary walls, Water reticulation pump room, Generator room, Fire reticulation, Kitchen, Gas cylinder storage, Staff residence block B, Photovoltaic structure, Telecommunication mast, Invertor Station, and External Works, including all related Site Services.**
Section 2	**Administration area, Out Patient, Pharmacy, Staff Residence Block A, and Carports Block C & D.**
Section 3	
Section 4	
Section 5	
Section 6	
Section	Remainder of the **works**

B 12.0 Possession of site [12.1.5], practical completion [19.0; 20.0] and penalty [24.0]

Practical completion for the **works** as a whole	Intended date of possession of the **site** Refer B17.0 [12.1.5; 12.2.22]	Period for inspection by the **principal agent** [19.3]	The date for **practical completion** shall be the period as indicated below from the date of possession of the **site** by the **contractor** [12.2.7; 24.1]	**Penalty** for late completion [24.1]
		working days	Period in months	Penalty amount per **calendar day**
		5	**18**	**1.75c per R100**

or where **sections** are applicable

Practical completion of a **section** of the **works**	Intended date of possession of a **section** Refer B17.0 [12.1.5; 12.2.22]	Period for inspection by the **principal agent** [19.3]	The date for **practical completion** shall be the period as indicated below from the date of possession of the **site** by the **contractor** [12.2.7; 24.1]	**Penalty** for late completion [24.1]
		working days	Period in months	Penalty amount per **calendar day**
Section 1		**5**	**14**	**2.50c per R100**
Section 2		**5**	**4**	**8.50c per R100**
Section 3				
Section 4				
Section 5				
Section 6				
Section 7				
Section 8				
Remainder of the **works**				

Criteria to achieve **practical completion** not covered in the definition of **practical completion**

B 13.0 Defects liability period [21.0]

Extended defects liability period: Refer B17.0 [21.13]	Yes/no?	Yes
If yes, description of applicable elements	eg: Electrical reticulation / Air conditioning system / Landscaping 13.1 Electrical, Electronics & Photovoltaic works 13.2 Mechanical works 13.3 Water purification plant 13.4 Landscaping 13.5 Laundry equipment and kitchen equipment 13.6 Acoustic insulation 13.7 Sewer treatment plant 13.7 Water tanks	

B 14.0 Payment [25.0]

Date of month for issue of regular **payment certificates** [25.2]	25th		
Contract price adjustment / Cost fluctuations [25.3.4; 26.9.5]	Yes/no?	**Yes**	
If yes, method to calculate	CPAP indices after 12 months, the base month being the closing date of the tender.		
Employer shall pay the **contractor** within: [25.10]	Thirty (30) **calendar days**		

B 15.0 Dispute resolution [30.0]

Adjudication [30.6.1; 30.10] Name of nominating body	To be advised	
Applicable rules for adjudication [30.6.2]	To be advised	
Arbitration [30.7.4; 30.10] If Yes, name of nominating body * If No, then dispute will be referred to litigation	Yes/no? *	**Yes** **The Association of South African Arbitratiotors**
Applicable rules for arbitration [30.7.5]	To be advised	

B 16.0 JBCC® General Preliminaries - selections

Provisional bills of quantities [P2.2]	Yes/no?	**Yes**	
Availability of construction information [P2.3]	Yes/no?	**Yes**	
Previous work - dimensional accuracy - details of previous contract(s) [P3.1]	N/A		
Previous work - **defects** - details of previous contract(s) [P3.2]	N/A		
Inspection of adjoining properties - details [P3.3]	Boundary wall between the site and Municipal offices.		
Handover of **site** in stages - specific requirements [P4.1]	The Contractor will occupy Administration area, Pharmacy, Out Patients, and Staff Residence Block A, and Carports Block C and D, after completion of section 1.		
Enclosure of the **works** - specific requirements [P4.2]	Refer to Architect's drawing No. S109 Hoarding layout plan.		
Geotechnical and other investigations - specific requirements [P4.3]	N/A		

Existing premises occupied - details [P4.5]		Administration area, Out Patient, Pharmacy, Staff Residence Block A, and Carports Block C & D.		
Services - known - specific requirements [P4.6]		Protection of existing services by Contractor is required.		
Water [P8.1]	By **contractor**	Yes/no?	**Yes**	
	By **employer**	Yes/no?	**No**	
	By **employer** – metered	Yes/no?	**No**	
Electricity [P8.2]	By **contractor**	Yes/no?	**Yes**	
	By **employer**	Yes/no?	**No**	
	By **employer** – metered	Yes/no?	**No**	
Ablution and welfare facilities [P8.3]	By **contractor**	Yes/no?	**Yes**	
	By **employer**	Yes/no?	**No**	
Communication facilities - specific requirements [P8.4]				
Protection of the **works - s**pecific requirements [P11.1]				
Protection / isolation of existing **works** and **works** occupied in **sections -** specific requirements [P11.2]				
Disturbance - specific requirements [P11.5]				
Environmental disturbance - specific requirements [P11.6]				

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 **Contracto**r 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

C TENDERER'S SELECTIONS

C 1.0 Securities [11.0]

Guarantee for construction: Select ☐ Option A or B

Option A	**Guarantee for construction** (variable) by **contractor** [11.1.1]

Option B	**Guarantee for construction** (fixed) by **contractor** [11.1.2]

Guarantee for payment by **employer** [11.5.1; 11.10]	Not applicable

Advance payment, subject to a **guarantee for advance payment** [11.2.2; 11.3]	Not applicable

C 2.0 Contractor's annual holiday periods during the construction period

Year 1 **contractor**'s annual holiday period	start date	15th December 2027	end date	5th January 2028
Year 2 **contractor**'s annual holiday period	start date		end date	
Year 3 **contractor**'s annual holiday period	start date		end date	

C 3.0 Payment of preliminaries [25.0]

Contractor's selection

Select ☐ Option A or B

Where the **contractor** does not select an option, Option A shall apply

Payment methods

Option A	The **preliminaries** shall be paid in accordance with an amount prorated to the value of the **works** executed in the same ratio as the amount of the **preliminaries** to the **contract sum**, which **contract sum** shall exclude the amount of **preliminaries**. Contingency sum(s) and any provision for cost fluctuations shall be excluded for the calculation of the aforesaid ratio

Option B	The **preliminaries** shall be paid in accordance with an amount agreed by the **principal agent** and the **contractor** in terms of the **priced document** to identify an initial establishment charge, a time-related charge and a final dis-establishment charge. Payment of the time-related charge shall be assessed by the **principal agent** and adjusted from time to time as may be necessary to take into account the rate of progress of the **works**

Lump sum contract

Where the amount of **preliminaries** is not provided it shall be taken as 7.5% (seven and a half per cent) of the **contract sum**, excluding contingency sum(s) and any provision for cost fluctuations

C 4.0 Adjustment of preliminaries [26.9.4]

Contractor's selection

Select ☐ Option A or B

Where the **contractor** does not select an option, Option A shall apply

Provision of particulars

The **contractor** shall provide the particulars for the purpose of the adjustment of **preliminaries** in terms of his selection. Where completion in **sections** is required, the **contractor** shall provide an apportionment of **preliminaries** per **section**

Option A	An allocation of the **preliminaries** amounts into Fixed, Value-related and Time-related amounts as defined for adjustment method Option A below, within fifteen (15) **working days** of the date of acceptance of the tender

Option B	A detailed breakdown of the **preliminaries** amounts within fifteen (15) **working days** of possession of the **site**. Such breakdown shall include, inter alia, the administrative and supervisory staff, the use of **construction equipment**, establishment and dis-establishment charges, insurances and guarantees, all in terms of the **programme**

Adjustment methods

The amount of **preliminaries** shall be adjusted to take account of the effect which changes in time and/or value have on **preliminaries**. Such adjustment shall be based on the particulars provided by the **contractor** for this purpose in terms of Options A or B, shall preclude any further adjustment of the amount of **preliminaries** and shall apply notwithstanding the actual employment of resources by the **contractor** in the execution of the **works**

Option A	The **preliminaries** shall be adjusted in accordance with the allocation of **preliminaries** amounts provided by the **contractor,** apportioned to **sections** where completion in **sections** is required Fixed - An amount which shall not be varied Value-related - An amount varied in proportion to the **contract value** as compared to the **contract sum**. Both the **contract sum** and the **contract value** shall exclude the amount of **preliminaries**, contingency sum(s) and any provision for cost fluctuations

	Time-related - An amount varied in proportion to the number of **calendar days** extension to the date of **practical completion** to which the **contractor** is entitled with an adjustment of the **contract value** [23.2; 23.3] as compared to the number of **calendar days** in the initial **construction period** [26.9.4]

Option B	The adjustment of **preliminaries** shall be based on the number of **calendar days** extension to the date of **practical completion** to which the **contractor** is entitled with an adjustment of the **contract value** [23.2; 23.3] as compared to the number of **calendar days** in the initial **construction period** [26.9.4] The adjustment shall take into account the resources as set out in the detailed breakdown of the **preliminaries** for the period of construction during which the delay occurred

Failure to provide particulars within the period stated

Option A	Where the allocation of **preliminaries** amounts for Option A is not provided, the following allocation of **preliminaries** amounts shall apply: Fixed - Ten per cent (10%) Value-related - Fifteen per cent (15%) Time-related - Seventy-five per cent (75%) Where the apportionment of the **preliminaries** per **section** is not provided, the categorised amounts shall be prorated to the cost of each **section** within the **contract sum** as determined by the **principal agent**

Option B	Where the detailed breakdown of **preliminaries** amounts for Option B is not provided, Option A shall apply

Lump sum contract

Where the amount of **preliminaries** is not provided it shall be taken as 7.5% (seven and a half per cent) of the **contract sum,** excluding contingency sum(s) and any provision for cost fluctuations.

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 : (086) 656 4152 E-mail : NoxoloD@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.

j) TEMPORARY BUILDINGS

The contractor shall supply deliver to site and establish approved Prefabricated buildings for operational use within two weeks after the taking possession of the site

k) BALANCING RATES ON CONTRACT AWARD

The contractor shall accept the balancing of tender rates after award of the Contract. The Employer reserves the right to terminate the contract that is materially unbalanced, and poses an acceptable risk. This may result in the contract being awarded to the next lowest bidder.

l) MATERIALS PROVIDED BY THE EMPLOYER

The Contractor in conjunction with the relevant Agent shall check the quantity of materials against the list provided by the Principal Agent. The materials remain the property of the employer. The contractor shall inspect the materials and notify the Principal Agent defective materials to be rejected after taking possession of the site

The contractor shall be responsible for proper handling, safe storage, and installation into the works. The value for good quality materials shall be credited to the employer.

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 THE SCOPE COMPLETION OF MATHIBESTAD CHC FOR THE DEPARTMENT OF HEALTH, NORTH WEST PROVINCE.– BID NUMBER: DOH08NWER002/CON14

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 withsecurity 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 Debtorsto 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 maymake, 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 togive 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 interms 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 THE SCOPE COMPLETION OF MATHIBESTAD CHC FOR THE DEPARTMENT OF HEALTH, NORTH WEST PROVINCE.– BID NUMBER: DOH08NWER002/CON14

at MATHIBESTAD CHC

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 12 apply or where no selection is made, the adjustments shall be based on the following breakdown:

a) 10 percent is Fixed;
b) 15 percent if Value Related
c) 75 percent is Time Related.

18 The adjustment of the Preliminary and General Section shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminary and General Section shall exclude any contingency sum, the amount

for the Preliminary and General Section and any amount in respect of contract price adjustment provided for in the contract. Adjustments in respect of any staged or sectional completion shall be prorated to the value of each section.

19 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

SECTION NO. 1

PRELIMINARIES

Amount

SECTION NO. 1

PRELIMINARIES

(CPAP WORK GROUP NO. 190 UNLESS OTHERWISE STATED)

BUILDING AGREEMENT AND PRELIMINARIES

The **JBCC** Principal Building Agreement (Edition 6.2 - May 2018) 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 **JBCC** General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the **JBCC** Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these **bills of quantities**, amended as hereinafter described

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 any item is not relevant to this **agreement** such item is marked N/A signifying 'not applicable'

Where standard clauses or alternatives are not entirely applicable to this **agreement** such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the abovementioned documents

PREAMBLES FOR TRADES

The General Preambles for Trades 2017 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 General Preambles will be entertained

Supplementary preambles and/or specifications are incorporated in these **bills of quantities** to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles

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

STRUCTURE OF THIS PRELIMINARIES BILL

A recital of the headings of the individual clauses in the aforementioned **JBCC** Principal Building Agreement

A recital of the headings of the individual clauses in the aforementioned **JBCC** General Preliminaries

Carried To Section Summary **R**

			Amount
	Section C : Any special clauses to meet the particular circumstances of the project		
	PRICING OF PRELIMINARIES		
	Should the **contractor** select Option A in the **contract data** for the adjustment of **preliminaries**, the amounts entered against the relevant items in these **preliminaries** are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)		
	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 (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement. Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities		
	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 construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary		
	Abbreviated descriptions		
	The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of international best practice		
	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 assigned authority to bind the contractor and each of these persons		
	Carried To Section Summary	**R**	

			Amount
	3. The contractor shall not alter its composition or legal status without the prior written consent of the employer	Item	
	F: ..... V: ..... T:		
2	Clause 2.0 - **Law**, regulations and **notices**		
		Item	
	F: ..... V: ..... T:		
3	Clause 3.0 - Offer and acceptance	Item	
	F: ..... V: ..... T:		
4	Clause 4.0 - Cession and assignment	Item	
	F: ..... V: ..... T:		
5	Clause 5.0 - Documents		
	Value Added Tax		
	Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT)		
	Clause 5.4 is deemed to be deleted		
	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	Item	
	F: ..... V: ..... T:		
6	Clause 6.0 - Employer's agents		
	Delegated authority		
	The authority of the principal agent to issue contract instructions [17.1] and perform duties for specific aspects of the works is delegated to agents as follows [6.2] This does not preclude the principal agent from issuing such contract instructions.		
	1. Architect		
	1.1 Duties [6.2]		
	The architect is responsible for the architectural design, functional design and quality inspection of the work		
	Contract instructions [6.2; 17.1]		
	Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement		
	Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works		
	1.2.3 The site		
	1.2.4 1033 Compliance with the law, regulations and bylaws [2.1]		
	1.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works		
	1.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]		
	1.2.7 Removal or re-execution of work		
	Carried To Section Summary	**R**	

		Amount
1.2.8 Removal or substitution of any materials and goods		
1.2.9 Protection of the works		
1.2.10 Making good physical loss and repairing damage to the works [23.2.2]		
1.2.11 Rectification of defects [21.2]		
1.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion		
1.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums		
1.2.14 Appointment of a subcontractor [14.0; 15.0]		
1.2.15 Work by direct contractors [16.0]		
1.2.16 On suspension or termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]		
2. Quantity surveyor		
2.1 Duties [6.2]		
The quantity surveyor is responsible for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions of the works		
2.2 Contract instructions [6.1]		
2.2.1 No contract instructions delegated to the quantity surveyor		
3. Civil and structural engineer		
3.1 Duties [6.2]		
The civil and structural engineer is responsible for all aspects of civil and structural engineering design and quality inspection of the works		
Contract instructions [6.2; 17.1]		
3.2.1 Rectification of discrepancies, errors in description quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement		
3.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works		
3.2.3 The site [13.0]		
3.2.4 Compliance with the law, regulations and bylaws [2.1]		
3.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works		
3.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]		
3.2.7 Removal or re-execution of work		
3.2.8 Removal or substitution of any materials and goods		
Carried To Section Summary	**R**	

Amount

3.2.9 Protection of the works

3.2.10 Making good physical loss and repairing damage to the works [23.2.2]

3.2.11 Rectification of defects [21.2]

3.2.12 A list for practical completion} specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion

4. Mechanical engineer

4.1 Duties [6.2]

The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions

4.2 Contract instructions [6.2; 17.1]

4.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the Principal Building Agreement

4.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works

4.2.3 Compliance with the law, regulations and bylaws [2.1]

4.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works

4.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]

4.2.6 Removal or re-execution of work

4.2.7 Removal or substitution of any materials and goods

4.2.8 Protection of the works

4.2.9 Making good physical loss and repairing damage to the works [23.2.2]

4.2.10 Rectification of defects [21.2]

4.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion

4.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums

5. Electrical engineer

5.1 Duties [6.2]

Carried To Section Summary **R**

Amount

The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions

Contract instructions [6.2; 17.1]

5.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement

5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works

5.2.3 Compliance with the law, regulations and bylaws [2.1]

5.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works

5.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]

5.2.6 Removal or re-execution of work

5.2.7 Removal or substitution of any materials and goods

5.2.8 Protection of the works

5.2.9 Making good physical loss and repairing damage to the works [23.2.2]

5.2.10 Rectification of defects [21.2]

5.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion

5.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums

6. Wet services engineer

6.1 Duties [6.2]

The wet services engineer is responsible for all aspects of wet services engineering design and quality inspection of the works

6.2 Contract instructions [6.2]

6.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement

6.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works

6.2.3 Compliance with the law, regulations and bylaws [2.1]

6.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works

Carried To Section Summary **R**

			Amount
6.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]			
6.2.6 Removal or re-execution of work			
6.2.7 Removal or substitution of any materials and goods			
6.2.8 Protection of the works			
6.2.9 Making good physical loss and repairing damage to the works [23.2.2]			
6.2.10 Rectification of defects [21.2]			
6.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion			
7. Fire consultant			
7.1 Duties [6.2]			
The fire consultant is responsible for all aspects of rational fire design and quality inspection of the works			
7.2 Contract instructions [6.2; 17.1]			
7.2.1 Rectification of discrepancies, errors in description quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement			
7.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works			
7.2.3 Compliance with the law, regulations and bylaws [2.1]			
7.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works			
7.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]			
7.2.6 Removal or re-execution of work			
7.2.7 Removal or substitution of any materials and goods			
7.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works			
7.2.3 Compliance with the law, regulations and bylaws [2.1]			
7.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works			
7.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]			
7.2.6 Removal or re-execution of work			
7.2.7 Removal or substitution of any materials and goods			
8. Health and safety consultant			
8.1 Duties [6.2]			
Carried To Section Summary		**R**	

			Amount
	The health and safety consultant is responsible for all aspects of health and safety of the works. 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. He shall		
	8.1.1 Act as the employer's agent in terms of the Construction Regulations issued in terms of the Occupational Health and Safety Act,1993 (as amended		
	8.1.2 Prepare and update the health and safety specification for the works		
	8.1.3 Agree with the contractor the health and safety plan for the works		
	8.1..4 Carry out regular audits to ensure adherence to the safety plan and compliance with the Act and Regulations		
	8.1.5 Stop the execution of the works where the agreed specification or plan is not adhered to	Item	
	F: ..... V: ..... T:		
7	Clause 7.0 - Design responsibility	Item	
	F: ..... V: ..... T:		
	Insurances and securities (A8-A11)		
8	Clause 8.0 - **Works** risk	Item	
	F: ..... V: ..... T:		
9	Clause 9.0 - Indemnities	Item	
	F: ..... V: ..... T:		
10	Clause 10.0 - Insurances	Item	
	F: ..... V: ..... T:		
11	Clause 11.0 - Securities		
	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]	Item	
	F: ..... V: ..... T:		
	Execution (A12 - A17)		
12	Clause 12.0 - Obligations of the parties		
	Office accommodation		
	The contractor shall provide, maintain and remove on practical completion air conditioned 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]		
	Notice board		
	Carried To Section Summary	**R**	

			Amount
	The contractor shall erect in a position approved by the principal agent, maintain and remove on practical completion a notice board recommended by the South African Institute of Architects and as approved by the principal agent listing the names and logos of the employer, the contractor and the professional consultants. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18]		
	Statutory and other notices		
	The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor. The contractor shall pay all deposits or fees in this regard.		
	It is, however, specifically recorded that the employer shall be responsible for the timeous approval of building plans by any local or other authorities and the payment of any fees or charges related thereto	Item	
	F: ..... V: ..... T:		
13	Clause 13.0 - Setting out	Item	
	F: ..... V: ..... T:		
14	Clause 14.0 - Nominated **subcontractors**	Item	
	F: ..... V: ..... T:		
15	Clause 15.0 - Selected **subcontractors**	Item	
	F: ..... V: ..... T:		
16	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 user 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]	Item	
	F: ..... V: ..... T:		
17	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**	Item	
	F: ..... V: ..... T:		
	Completion (A18 - A24)		
18	Clause 18.0 - Interim completion	Item	
	F: ..... V: ..... T:		
	Carried To Section Summary	**R**	

			Amount
19	Clause 19.0 - Practical completion	Item	
	F: ..... V: ..... T:		
20	Clause 20.0 - Completion in sections	Item	
	F: ..... V: ..... T:		
21	Clause 21.0 - **Defects** liability period and final completion	Item	
	F: ..... V: ..... T:		
22	Clause 22.0 - **Latent defects** liability period	Item	
	F: ..... V: ..... T:		
23	Clause 23.0 - Revision of the 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]	Item	
	F: ..... V: ..... T:		
24	Clause 24.0 - **Penalty** for late or non-completion	Item	
	F: ..... V: ..... T:		
	Payment (A25 - A27)		
25	Clause 25.0 - Payment		
	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 this 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	Item	
	F: ..... V: ..... T:		
26	Clause 26.0 - Adjustment of the contract value and final account		
	Cost of claims		
	All costs incurred by the contractor in the preparation of claims shall be borne by the contractor. This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this agreement [30.6 & 7] from making a determination on costs		
	Claims from subcontractors		
	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 in order to assist the principal agent in adjudicating the claim [26.6]	Item	
	F: ..... V: ..... T:		
27	Clause 27.0 - Recovery of expense and/or loss	Item	
	F: ..... V: ..... T:		
	Carried To Section Summary	**R**	

			Amount
	Suspension and termination (A28 - A29)		
28	Clause 28.0 - Suspension by the **contractor**	Item	
	F: ..... V: ..... T:		
29	Clause 29.0 - Termination	Item	
	F: ..... V: ..... T:		
	Dispute resolution (A30)		
30	Clause 30.0 - Dispute resolution		
	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		
	Contract		
	1. The JBCC Principal Building Agreement		
	2. Contract Data		
	3. General Preliminaries		
	4. Contract drawings		
	Tenderer's selection		
	Before submission of his tender the contractor is to complete the tenderer's selections in the contract data	Item	
	F: ..... V: ..... T:		
	SECTION B: GENERAL PRELIMINARIES		
	Definitions and interpretation (B1)		
31	Clause 1.1 - Definitions	Item	
	F: ..... V: ..... T:		
32	Clause 1.2 - Interpretation	Item	
	F: ..... V: ..... T:		
	Documents (B2)		
33	Clause 2.1 - Checking of documents	Item	
	F: ..... V: ..... T:		
34	Clause 2.2 - Provisional **bills of quantities**		
		Item	
	F: ..... V: ..... T:		
35	Clause 2.3 - Availability of **construction information**	Item	
	F: ..... V: ..... T:		
36	Clause 2.4 - Ordering of **materials and goods**	Item	
	F: ..... V: ..... T:		
	Carried To Section Summary	**R**	

Section No. 1
Bill No. 1
Preliminaries

			Amount
	Previous work and adjoining properties (B3)		
37	Clause 3.1 - Previous work - dimensional accuracy F: ..... V: ..... T:	Item	
38	Clause 3.2 - Previous work - **defects** F: ..... V: ..... T:	Item	
39	Clause 3.3 - Inspection of adjoining properties F: ..... V: ..... T:	Item	
	The site (B4)		
40	Clause 4.1 - Handover of **site** in stages F: ..... V: ..... T:	Item	
41	Clause 4.2 - Enclosure of **the works** F: ..... V: ..... T:	Item	
42	Clause 4.3 - Geotechnical and other investigations F: ..... V: ..... T:	Item	
43	Clause 4.4 - Encroachments F: ..... V: ..... T:	Item	
44	Clause 4.5 - Existing premises occupied F: ..... V: ..... T:	Item	
45	Clause 4.6 - Services - known F: ..... V: ..... T:	Item	
	Management of contract (B5)		
46	Clause 5.1 - Management of **the works** F: ..... V: ..... T:	Item	
47	Clause 5.2 - Progress meetings F: ..... V: ..... T:	Item	
48	Clause 5.3 - Technical meetings F: ..... V: ..... T:	Item	
	Samples, shop drawings and manufacturer's instructions (B6)		
49	Clause 6.1 - Samples of materials F: ..... V: ..... T:	Item	
50	Clause 6.2 - Workmanship samples F: ..... V: ..... T:	Item	
51	Clause 6.3 - Shop drawings F: ..... V: ..... T:	Item	
52	Clause 6.4 - Compliance with manufacturer's instructions F: ..... V: ..... T:	Item	
	Carried To Section Summary	**R**	

			Amount
	Deposits and fees (B7)		
53	Clause 7.1 - Deposits and fees	Item	
	F: ..... V: ..... T:		
	Temporary services (B8)		
54	Clause 8.1 - Water	Item	
	F: ..... V: ..... T:		
55	Clause 8.2 - Electricity	Item	
	F: ..... V: ..... T:		
56	Clause 8.3 - Ablution and welfare facilities	Item	
	F: ..... V: ..... T:		
57	Clause 8.4 - Communication facilities	Item	
	F: ..... V: ..... T:		
	Prime cost amounts (B9)		
58	Clause 9.1 - Responsibility for **prime cost amounts**	Item	
	F: ..... V: ..... T:		
	Attendance on subcontractors (B10)		
59	Clause 10.1 - General attendance	Item	
	F: ..... V: ..... T:		
60	Clause 10.2 - Special attendance	Item	
	F: ..... V: ..... T:		
	General (B11)		
61	Clause 11.1 - Protection of **the works**	Item	
	F: ..... V: ..... T:		
62	Clause 11.2 - Protection/isolation of existing **works** and **works** occupied in sections	Item	
	F: ..... V: ..... T:		
63	Clause 11.3 - Security of **the works**	Item	
	F: ..... V: ..... T:		
64	Clause 11.4 - Notice before covering work	Item	
	F: ..... V: ..... T:		
65	Clause 11.5 - Disturbance		
	Disturbance		
	Carried To Section Summary	**R**	

			Amount
	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 by 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	Item	
	F: ..... V: ..... T:		
66	Clause 11.6 - 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 emanating from the site 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 are 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	Item	
	F: ..... V: ..... T:		
67	Clause 11.7 - **Works** cleaning and clearing	Item	
	F: ..... V: ..... T:		
68	Clause 11.8 - Vermin	Item	
	F: ..... V: ..... T:		
69	Clause 11.9 - Overhand work	Item	
	F: ..... V: ..... T:		
70	Clause 11.10 - Tenant installations	Item	
	F: ..... V: ..... T:		
71	Clause 11.11 - Advertising	Item	
	F: ..... V: ..... T:		
	SECTION C: SPECIFIC PRELIMINARIES		
	Warranties for materials and workmanship		
	Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the entity supplying the materials and/or executing the work and shall deliver same to the principal agent on final completion of the contract		
	The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical completion and that any defects that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written notice		
	The warranty will not be enforced if the work is damaged by defects in the execution of the works, in which case the responsibility for replacement shall rest entirely with the contractor		
	Carried To Section Summary	**R**	

			Amount
	Specific Preliminaries		
72	Overtime		
	Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the **contractor** unless the **principal agent** has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the **employer**	Item	
	F: ..... V: ..... T:		
73	Cooperation of the **contractor** for cost management		
	It is specifically agreed that the **contractor** accepts the obligation of assisting the **principal agent** in implementing proper cost management. The **contractor** will be advised by the **principal agent** of all cost management procedures which will be implemented to ensure that the **contract value** does not exceed the budget	Item	
	F: ..... V: ..... T:		
74	Overloading		
	The **contractor** shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of **the works** or temporary works eg scaffolding, etc. The **contractor** shall submit details of his proposed loading, storage, plant erection, etc to the **principal agent** for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the **principal agent's** requirements in connection with the provision of temporary support work, etc. Any damage caused to the **works** by overloading shall be made good by the **contractor** at his sole expense	Item	
	F: ..... V: ..... T:		
75	Propping of floors below		
	The **contractor** is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of **materials and goods** and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the **principal agent** and the cost thereof shall be borne by the **contractor**	Item	
	F: ..... V: ..... T:		
76	Testing of flat roof waterproofing for watertightness		
	Flat roof waterproof areas shall be flooded and kept 'ponded' for at least forty eight hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing	Item	
	F: ..... V: ..... T:		
77	Health and safety		
	Carried To Section Summary	**R**	

			Amount
	Without limiting the generality of the provisions of clause 2.0, the **contractor**'s attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is specifically stated that the **employer** shall prepare a documented health and safety specification for **the works** (refer to Annexure ? for a copy of the relevant specification) 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 provisions of the aforementioned health and safety specification [2.1]	Item	
	F: ..... V: ..... T:		
78	Temporary Buildings		
	The contractor shall supply deliver to site and establish approved Prefabricated buildings for operational use within two weeks after the taking possession of the site	Item	
	F: ..... V: ..... T:		
79	Previous work - Defects		
	The contractor shall inspect previously executed infrastructure, electrical and mechanical works for defects, and on becoming aware forthwith notify the principal agent requesting a contract instruction regarding such a defect within three weeks after taking posseion of the site.	Item	
	F: ..... V: ..... T:		
80	Balancing rates on Contract award		
	The contractor shall accept the balancing of tender rates on award of the Contract. The employer reserves the right to terminate the contract that is materially unbalanced, and poses an acceptable risk. This may result in the contract being awarded to the next lowest bidder.	Item	
	F: ..... V: ..... T:		
81	Materials provided by the Employer		
	A detailed list of the materials to be provided prior to the contractor taking posession of the site. The Contractor in conjuction with the relevant Agent shall check the quantity of materials against the list.		
	The contractor shall be responsible for proper handling, safe storage, installation into the works materials issued by the employer.		
	The materials remain the property of the employer. The risk of damage or loss transfers to the contractor upon taking possession of the site.		
	The employer warrants that the free issued materials are of good quality and fit for their intended purpose. The contractor shall inspect the materials and notify the Principal Agent defective materials to be rejected within three weeks after taking possession of the site. The value for good quality materials shall be credited to the employer.	Item	
	F: ..... V: ..... T:		
82	Ordering of long lead materials and goods		
	Carried To Section Summary	**R**	

			Amount
	The contractor and relevant Consultants shall agree dates by when the long lead materials and goods are to be procured in terms of the programme within two weeks after taking possesion of the site.	Item	
	F: ..... V: ..... T:		
83	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. Cooperate 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 health and safety specification	Item	
	F: ..... V: ..... T:		
84	Broad based black economic empowerment (BBBEE)		
	Tenders submitted will be evaluated taking into account their empowerment rating		
	The **employer** will be monitoring the broad based black economic empowerment (BBBEE) status of the **contractor** throughout the execution of **the works**		
	The **contractor** is to submit to the **principal agent** on an annual basis a schedule of spend, split into vendors engaged as **subcontractors** and suppliers indicating their BBBEE rating including proof of the said rating	Item	
	F: ..... V: ..... T:		
85	Local Labour		
	It is a general requirement of this contract that persons normally resident in the locality of the works (local labour) be given preference for employment on the contract. Provided, however, that should adequate and appropriate labour not be available within the locality, others may be employed subject to satisfactory proof being provided that every reasonable endeavor has been made to employ local labour. The Contractor shall identify the local community leaders with the purpose of negotiating with them regarding the utilization of local labour in the construction process. In this regards, the Contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth. The Contractor shall, in general, maximize the involvement of the local community.	Item	
	F: ..... V: ..... T:		
86	Community Development		
	Carried To Section Summary	**R**	

			Amount	
	'IDT' has taken a strategic decision to promote community development in line with its SCM Policy. Based on the above tenderer must promote Supplier Development through involving Small Business Enterprises residing within the municipal ward. Special reference is made to the Contract Data section in terms of sub-contracting.	Item		
	F: ..... V: ..... T:			
87	Contract Participation Goals (CPG)			
	Note to tenderers: As CPGs may not provide any bidder a competitive advantage. Provisional Amounts and fixed percentages for profit and attendance have been provided. Only the provisional amount will be adjusted once the awarded tender amount and/or the beneficiaries have been appointed, and the final values have been ascertained.	Item		
	F: ..... V: ..... T:			
88	The Employer determined 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).	Item		
	F: ..... V: ..... T:			
89	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.	Item		
	F: ..... V: ..... T:			
90	Needs analysis and enterprise development plan per Targeted Enterprise – R5 000.00 (Ten thousand rands) per targeted enterprise.	Item	5 000	00
	F: ..... V: ..... T:			
91	Mentoring and interim reporting per Targeted Enterprise - R20 000.00 (twenty thousand rands) per quarter.	Item	120 000	00
	F: ..... V: ..... T:			
92	Project completion report per Targeted Enterprise - R5 000.00 (five thousand rands) per targeted enterprise.	Item	5 000	00
	F: ..... V: ..... T:			
93	Advertising rights			
	The may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The **contractor** shall not prevent such an arrangement and will assist in the facilitation of same. The position and type of advertising structure to be agreed with the **principal agent** so as not to hinder the **contractor** in meeting his obligations under this agreement	Item		
	F: ..... V: ..... T:			
94	Confidentiality			
	Carried To Section Summary	**R**		

Section No. 1
Bill No. 1
Preliminaries

			Amount
	The **contractor** undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all **subcontractors** and suppliers. Such information shall not be used in any way except in connection with the execution of **the works**		
	No information regarding this project shall be published or disclosed without the prior written consent of the **employer**	Item	
	F: ..... V: ..... T:		
95	Media releases		
	All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the **employer**		
	The **contractor** together with his **subcontractors** shall not, without the prior written consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media	Item	
	F: ..... V: ..... T:		
	SUMMARY OF CATEGORIES		
	Category : Fixed R.....		
	Category : Value R.....		
	Category : Time R.....		
	Carried To Section Summary	**R**	

Section No. 1
Bill No. 1
Preliminaries

SECTION NO. 1

PRELIMINARIES

SECTION SUMMARY

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	Carried to Final Summary	**R**	

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 1

ALTERATIONS

(CPAP WORK GROUP NO. 102 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

View site

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

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	General				
	The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent				
	Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent				
	Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary				
	Doors, fanlights, windows, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described . Re-painting or re-varnishing is given separately				
	Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc				
	Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc				
	The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc.)				
	SERVICING EXISTING ITEMS				
	Servicing existing windows, door etc.				
1	Carefully examine and re-adjust spindle and tighten grub screws for door to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	2		
	OUTP 2				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
2	Carefully examine and reset striker plate to align with deadlock to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	277		
	CRIS 5 CTOP 12 DENT 12 EMER 22 RECE 30 MATE 23 MEDI 20 THEA 31 OUTP 37 PHAR 11 SERV 19 RESA 26 GUAR 3 RADI 14 MMC 12				
3	Carefully examine and reset barrel bolt to align correctly with dust proof keep at bottom of door to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	18		
	CRIS 1 CTOP 2 DENT 1 EMER 1 RECE 1 MATE 2 MEDI 8 MMC 2				
4	Carefully examine and reset thumb knob lock to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	11		
	CRIS 1 CTOP 1 EMER 1 MATE 2 THEA 2 PHAR 2 RADI 1 MMC 1				
5	Carefully examine and reset Euro profile knob cylinder (2 x 815NPMK) to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	1		
	RECE 1				
6	Carefully examine and reset lockset to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	1		
	THEA 1				
7	Carefully examine and reset door handle to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	574		
	CTOP 34 DENT 24 EMER 44 RECE 36 MATE 46 MEDI 40 THEA 62 OUTP 74 PHAR 22 SERV 14 RESA 116 GUAR 6 RADI 32 MMC 24				
8	Carefully examine and reset door closer, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent	No	34		
	CRIS 1 CTOP 2 DENT 1 EMER 5 RECE 4 MATE 3 MEDI 1 THEA 3 OUTP 7 SERV 1 RADI 4 MMC 2				
	Carried to Collection			**R**	

Section No. 2
Bill No. 1
Alterations

		Unit	Quantity	Rate	Amount
9	Carefully examine, straighten bent surfaces, and reset steel trap door, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 600 x 600mm wide	No	5		
	CRIS 1 EMER 1 RECE 1 OUTP 1 SERV 1				
10	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 600 x 600mm high	No	70		
	EMER 3 RECE 22 MATE 7 MEDI 7 OUTP 9 SERV 13 RESA 3 RADI 6				
11	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 600 x 1,500mm high	No	5		
	CRIS 1 EMER 1 RECE 3				
12	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 900 x 600mm high	No	39		
	CRIS 2 CTOP 6 DENT 2 EMER 3 RECE 1 OUTP 10 RESA 8 RADI 1 MMC 6				
13	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 900 x 900mm high	No	19		
	MATE 2 THEA 13 OUTP 4				
14	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 900 x 1,200mm high	No	4		
	SERV 4				
15	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 900 x 1,500mm high	No	12		
	CRIS 1 THEA 5 PHAR 1 SERV 5				
	Carried to Collection			**R**	

Section No. 2
Bill No. 1
Alterations

		Unit	Quantity	Rate	Amount
16	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 900 x 1,800mm high	No	8		
	RECE 2 RESA 6				
17	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 900 x 2,100mm high	No	7		
	DENT 6 PHAR 1				
18	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1,200 x 600mm high	No	25		
	CTOP 3 DENT 1 EMER 2 RECE 2 MATE 1 MEDI 4 PHAR 1 SERV 5 RADI 3 MMC 3				
19	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1,200 x 900mm high	No	1		
	RADI 1				
20	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1,200 x 1,200mm high	No	13		
	DENT 7 MATE 4 RESA 2				
21	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1,200 x 1,500mm high	No	38		
	CRIS 4 CTOP 4 DENT 2 EMER 4 RECE 4 MATE 3 MEDI 2 THEA 4 PHAR 3 RADI 3 MMC 5				
	Carried to Collection			**R**	

Section No. 2
Bill No. 1
Alterations

		Unit	Quantity	Rate	Amount
22	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1,500 x 600mm high	No	6		
	MATE 2 THEA 4				
23	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1,500 x 1,200mm high	No	5		
	RECE 5				
24	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1,500 x 1,500mm high	No	5		
	SERV 2 RESA 3				
25	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1,800 x 600mm high	No	6		
	PHAR 6				
26	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1,800 x 1,200mm high	No	3		
	EMER 3				
27	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1,800 x 1,500mm high	No	30		
	MATE 5 MEDI 7 OUTP 16 RESA 2				
28	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1,870 x 1,465mm high	No	1		
	SERV 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
29	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1,800 x 1,800mm high	No	2		
	RESA 2				
30	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 2,700 x 1,800mm high	No	1		
	OUTP 1				
31	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 4,500 x 2,100mm high	No	1		
	PHAR 1				
32	Carefully examine and reset slides to timber drawers, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of drawer 475 x 550 x 150mm high	No	1		
	MATE 1				
33	Carefully examine and reset hinges to timber doors, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 762 x 2,032mm high	No	13		
	DENT 1 EMER 1 RECE 2 MATE 3 OUTP 1 PHAR 1 SERV 3 GUAR 1				
34	Carefully examine and reset hinges to timber doors, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 813 x 2,032mm high	No	43		
	DENT 5 EMER 5 RECE 8 MATE 2 MEDI 1 THEA 4 OUTP 3 PHAR 4 SERV 2 RESA 7 GUAR 1 RADI 1				
35	Carefully examine and reset hinges to timber doors, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 876 x 2,026mm high	No	1		
	SERV 1				
	Carried to Collection			**R**	

Section No. 2
Bill No. 1
Alterations

		Unit	Quantity	Rate	Amount
36	Carefully examine and reset hinges to timber doors, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 900 x 2,032mm high THEA 2	No	2		
37	Carefully examine, reset hinges and fix firmly into position existing single timber door frame to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 976 x 2,076mm high SERV 1	No	1		
38	Carefully examine and reset hinges to double timber doors with unequal leafs, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 1,350 x 2,032mm high EMER 3 MATE 1	No	4		
39	Carefully examine and reset hinges to aluminium single door, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 900 x 2,260mm high RECE 1 SERV 1	No	2		
40	Carefully examine and reset hinges to aluminium single door, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 910 x 910mm high RECE 1	No	1		
41	Carefully examine and reset hinges to aluminium single door, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 920 x 2,105mm high RADI 1	No	1		
42	Carefully examine and reset hinges to aluminium double door with unequal leafs, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 1,400 x 2,064mm high RECE 1	No	1		
43	Carefully examine and reset hinges to aluminium double door, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 1,500 x 2,105mm high RECE 1	No	1		
	Carried to Collection			**R**	

Section No. 2
Bill No. 1
Alterations

		Unit	Quantity	Rate	Amount
44	Carefully examine and reset hinges to aluminium double door with unequal leafs, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 1,500 x 2,360mm high	No	4		
	OUTP 3 SERV 1				
45	Carefully examine and reset hinges to aluminium double door, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 1,800 x 2,360mm high	No	8		
	RECE 2 MEDI 1 THEA 1 OUTP 2 PHAR 2				
46	Carefully examine and reset hinges to aluminium double door, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 1,836 x 2,360mm high	No	2		
	SERV 2				
47	Carefully examine and reset aluminium sliding door, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 2,400 x 2,100mm high	No	3		
	RESA 3				
48	Carefully examine, straighten bent surfaces, and reset steel trap door, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 600 x 600mm wide	No	10		
	CRIS 1 CTOP 1 EMER 1 MATE 1 MEDI 1 THEA 1 RESA 2 RADI 1 MMC 1				
49	Under cut by 20mm above finish floor level, timber single door 813 x 2032m high overall, rehanging door on existing hinges with existing lockset	No	11		
	PHAR 2 SERV 8 GUAR 1				
50	Under cut by 120mm above finish floor level, timber single door 813 x 2032m high overall, rehanging door on existing hinges with existing lockset	No	5		
	RECE 5				
51	Modify existing steel single gate by cutting to fit inside new door opening size 813 x 2,032mm high	No	1		
	SERV 1				
52	Supply and install rubber gasket for aluminium window to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1,200 x 600mm high	No	2		
	CTOP 1 MMC 1				
	Carried to Collection			**R**	

Section No. 2
Bill No. 1
Alterations

		Unit	Quantity	Rate	Amount
53	Supply and install rubber gasket for aluminium window to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 1,200 x 1,500mm high	No	4		
	CTOP 1 MATE 3				
54	Supply and install rubber gasket for aluminium window to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 1,800 x 1,500mm high	No	2		
	RESA 2				
55	Supply and install rubber gasket for aluminium window to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 1,836 x 2,360mm high	No	1		
	SERV 1				
56	Supply and install rubber gasket for aluminium window to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 1,870 x 1,465mm high	No	1		
	SERV 1				
57	Supply and install rubber gasket for single aluminium door to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 990 x 2,105mm high	No	1		
	RECE 1				
58	Supply and install rubber gasket for double aluminium door to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 1,456 x 2,105mm high	No	1		
	THEA 1				
59	Supply and install rubber gasket for double aluminium door to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 1,500 x 2,360mm high	No	1		
	SERV 1				
60	Supply and install rubber gasket for double aluminium door to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 1,800 x 2,360mm high	No	1		
	MATE 1				
61	Supply and install rubber gasket for double aluminium door to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 1,800 x 2,360mm high	No	5		
	OUTP 3 PHAR 2				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
62	Supply and install rubber gasket for double aluminium door to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of door 2,700 x 2,360mm high	No	1		
	OUTP 1				
63	Powder coat existing to SABS specification, all to the satisfaction of the Principal Agent, overall size of door 1,383 x 2,360mm high	No	1		
	SERV 1				
	REMOVAL OF EXISTING WORK				
	Breaking up and removing unreinforced concrete				
64	350mm Wide x 75mm coping	m	591		
	CRIS 14 CTOP 14 DENT 51 EMER 32 MATE 34 MEDI 33 THEA 38 OUTP 141 PHAR 59 SERV 110 RADI 35 MMC 14 WATE 3 GSG 13				
	Breaking up and removing reinforced concrete, including cutting off and removing reinforcement				
65	100mm Thick surface beds	m²	58		
	CRIS 1 CTOP 1 EMER 1 MATE 3 MEDI 3 THEA 9 SERV 3 RESA 36 MMC 1				
66	100mm Thick apron	m²	135		
	EMER 8 SERV 51 RESA 68 RADI 8				
67	170mm Thick slabs	m²	2		
	GSG 2				
68	255mm Thick slabs	m²	4		
	GSG 4				
69	Manholes and inlets not exceeding 1m deep, comprising unreinforced concrete surface bed, one brick walls, and concrete slabs	No	1		
	SERV 1				
	Hack off and removing brickwork etc.				
70	Half brick walls	m²	15		
	DENT 5 THEA 5 PHAR 1 RESA 1 RADI 1 WATE 2				
	Breaking down and removing brickwork etc.				
71	Half brick walls	m²	154		
	MEDI 14 THEA 101 RESA 33 GSG 6				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
72	One brick walls THEA 26 RESA 27 GSG 2	m²	55		
	Taking out and removing doors, windows, etc. from brickwork to be demolished				
73	Timber single door and steel frame not exceeding 2,5m² MEDI 2 THEA 2 RESA 2	No	6		
	Taking out and removing doors, windows, etc., including thresholds, sills, etc. including making good cement plaster on both sides (making good paintwork elsewhere)				
74	Timber single door 762 x 2,032m high overall from 115mm steel frame MEDI 1 OUTP 1 SERV 1	No	3		
75	Timber single door 813 x 2,032m high overall from 115mm steel frame CRIS 3 DENT 1 RECE 6 MEDI 5	No	15		
76	Timber single door 813 x 2,032m high overall from 230mm steel framel CRIS 1 RECE 5 THEA 1 OUTP 9 RESA 7	No	23		
77	Timber single door and frame 813 x 2,032m high overall from 230mm brick wall RESA 7	No	7		
78	Timber single door 900 x 2,032m high overall from 115mm steel frame THEA 2 SERV 1	No	3		
79	Timber single door 900 x 2,032m high overall from 230mm steel frame RECE 1 MEDI 1 THEA 3	No	5		
80	Timber double door and aluminium frame with fanlight 1,470 x 3,060mm high overall from one brick wall MATE 2 RADI 1	No	3		
81	Timber double door with unequal leafs 1,423 x 2,064mm high overall from 115mm steel frame CTOP 1 MEDI 3	No	4		
82	Timber double door 1,800 x 2,032mm high overall from 220mm steel door frame MATE 1	No	1		
83	Timber double door 1,359 x 2,032mm high overall from 110mm steel frame MATE 4	No	4		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
84	Timber sliding door and ironmongery 1,900 x 2,165m high overall from one brick wall	No	5		
	EMER 1 THEA 2 RADI 2				
85	Glazed aluminium single door and frame 900 x 2,105m high overall from one brick wall	No	2		
	RECE 2				
86	Glazed aluminium single door and frame 900 x 2,360m high overall from one brick wall	No	1		
	SERV 1				
87	Glazed aluminium single door and frame 970 x 2,380m high overall from one brick wall	No	1		
	PHAR 1				
88	Glazed aluminium double door and frame with unequal door leafs 1,400 x 2,350m high overall from one brick wall	No	1		
	RECE 1				
89	Glazed aluminium double door and frame 1,500 x 2,360m high overall from one brick wall	No	2		
	OUTP 2				
90	Glazed aluminium double door and frame 1,800 x 2,360m high overall from one brick wall	No	15		
	CRIS 1 CTOP 1 DENT 1 EMER 1 RECE 2 MATE 1 MEDI 1 THEA 2 OUTP 1 PHAR 2 RADI 1 MMC 1				
91	Glazed aluminium double door and frame 1,800 x 2,530m high overall from one brick wall	No	2		
	EMER 1 MEDI 1				
92	Steel single gate and frame 870 x 2,173mm high overall from one brick wall	No	7		
	RESA 7				
93	Timber single door and frame 530 x 2,020mm high overall from half brick wall	No	1		
	RECE 1				
94	Timber single door and frame 813 x 2,032m high overall from half brick wall	No	8		
	RECE 1 THEA 7				
95	Timber single door and frame 813 x 2,032m high overall from one brick wall	No	6		
	DENT 1 THEA 4 OUTP 1				
96	Timber single door and frame 900 x 2,076m high overall from one brick wall	No	7		
	THEA 5 PHAR 1 SERV 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
97	Timber single door and steel frame 813 x 2,032m high overall from half brick wall	No	1		
	DENT 1				
98	Timber single door and steel frame 900 x 2,032m high overall from one brick wall	No	0		
	Taking out and removing doors, windows, etc., including thresholds, sills, etc. and building up openings in brick walls, including making good cement plaster on sides (making good paintwork elsewhere)				
99	Timber single door and steel frame 813 x 2,032m high overall from one brick wall	No	1		
	THEA 1				
100	Glazed aluminium window 1,200 x 1,200m high from one brick wall	No	2		
	RESA 2				
101	Fibre cement window sill 15 x 150mm wide overall from one brick wall	m	39		
	CTOP 1 RESA 37 MMC 1				
	Taking out doors, windows, etc., including thresholds, sills, etc., setting aside for re-use and later refixing in similar new position				
102	Timber single door 813 x 2032m high overall, rehanging door on existing hinges with existing lockset	No	12		
	THEA 12				
103	Steel single door frame 813 x 2032m high overall	No	12		
	THEA 12				
104	Timber single door and frame 813 x 2032m high overall, including setting up and building in frame in new brickwork, rehanging door on existing hinges with existing lockset	No	2		
	RESA 2				
105	Glazed aluminium window 900 x 900m high, including setting up and building in in new brickwork and replacing any broken glass panes with 6mm clear laminated glass	No	1		
	THEA 1				
106	Glazed aluminium window 840 x 480m high, including setting up and building in in new brickwork and replacing glass pane with 7-8,5mm radiation shelding glass type: RD 50 2.1mm PB	No	1		
	RADI 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
107	Glazed aluminium window 1,500 x 1,5000m high, including setting up and building in in new brickwork and replacing any broken glass panes with 6mm clear laminated glass	No	1		
	RESA 1				
108	Glazed aluminium sliding door 2,400 x 2,100m high, including setting up and building in in new brickwork and replacing any broken glass panes with 6mm clear laminated glass	No	1		
	RESA 1				
109	Fibre cement window sill 110m wide overall from brick wall	No	2		
	SERV 2				
110	Aluminium trellis security sliding grille gate for 2,400 x 2,100m high opening	No	1		
	RESA 1				
111	Timber single door and frame 350 x 350m high overall fixed to stainless steel plate with two hinges, including setting up and building in frame in new brickwork, rehanging door as per architect's drawing number W408	No	2		
	OUTP 2				
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.				
112	Concrete roof tiles and timber battens	m²	103		
	EMER 8 MATE 9 MEDI 28 THEA 35 OUTP 14 RADI 9				
113	Broken or damaged concrete ridge / hip tiles	m	64		
	EMER 16 MATE 16 MEDI 16 THEA 16				
114	Steel eave gutter 200 x 200mm	m	41		
	THEA 3 RESA 38				
115	Consealed steel gutter 842mm girth overall	m	90		
	CRIS 9 CTOP 9 EMER 9 MATE 9 MEDI 9 THEA 9 OUTP 9 SERV 9 RADI 9 MMC 9				
116	Steel rainwater pipes exceeding 50mm and not exceeding 100mm diameter	m	62		
	DENT 4 THEA 4 PHAR 10 RESA 36 GUAR 4 RADI 4				
117	Steel fascia board girth 400mm circular in elevation	m	21		
	GUAR 21				
118	Steel fascia board girth 400mm	m	36		
	EMER 12 MATE 12 MEDI 12				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
119	Steel flashing and counter flashing girth 360mm CRIS 9 CTOP 12 EMER 12 RECE 50 MATE 20 MEDI 12 THEA 12 OUTP 11 RESA 142	m	280		
120	Steel barge board girth 400mm circular in elevation RECE 10	m	10		
121	Fibre cement fascia / barge board 15 x 225mm wide THEA 3 OUTP 6 RESA 40	m	49		
122	Fibre cement barge board 80 x 200 x 12mm wide EMER 14 MATE 15 MEDI 23 THEA 21 OUTP 7 SERV 15 RESA 40 RADI 22	m	157		
123	Cut back existing timber rafter size 150 x 75mm THEA 4	No	4		
124	Flush plastered gypsum plasterboard ceilings, including cornices, suspension grid, hangers, etc. CRIS 16 CTOP 9 EMER 55 MATE 394 MEDI 205 THEA 283 OUTP 41 SERV 90 RESA 215 RADI 130 MMC 5	m²	1 443		
125	Steel trap door size 600 x 600mm CTOP 1 EMER 1 MATE 1 MEDI 2 THEA 1 SERV 1 RADI 1 MMC 1	No	9		
126	Tongued and grooved timber ceilings, including cornices, etc. RECE 20	m²	20		
127	Acoustic tile suspended ceilings, including cornices, suspension grid, hangers, etc. RECE 52 OUTP 56	m²	108		
	Taking out and removing sundry joinery work, fittings, etc.				
128	Wall cupboard type impregnated melamine face board, overal size 900 x 300 x 700mm high with top, sides, bottom, division, shelf, back and double hinged doors RESA 5	No	5		
129	Timber sink cupboard 1,618 x 535 x 900mm high, including sink and disconnecting waste RESA 5 GUAR 1	No	6		
130	Cupboard 1,860 x 600 x 2,714mm high with top, sides, bottom, division, shelves, doors, etc. RESA 1	No	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
131	Cupboard 2,290 x 600 x 2,714mm high with top, sides, bottom, division, shelves, doors, etc. RESA 1	No	1		
132	Cupboard 1,070 x 900 x 2,690mm high with top, sides, bottom, division, shelves, doors, etc. RESA 3	No	3		
133	Cupboard 2,160 x 1,192 x 2,714mm high with top, sides, bottom, division, shelves, doors, etc. RESA 3	No	3		
134	Cupboard 2,860 x 600 x 2,714mm high with top, sides, bottom, division, shelves, doors, etc. RESA 3	No	3		
	Taking out and removing sundry joinery work, fittings, etc., setting aside for re-use and later refixing in similar new position				
135	Timber cornices CRIS 4 CTOP 4 EMER 11 RECE 23 MATE 10 MEDI 4 THEA 9 OUTP 278 SERV 61 MMC 2	m	406		
136	Timber meranti skirtings including quadrants RECE 222 RESA 243	m	465		
137	Re-anchor cornice to wall at 450mm c/c THEA 22	m	22		
	Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc. and preparing screeds for new floor coverings				
138	Vinyl skirting not exceeding 300mm high including brushing the walls with a wire brush to remove paint CRIS 67 CTOP 78 DENT 85 EMER 139 MATE 175 MEDI 153 THEA 425 OUTP 230 PHAR 108 RADI 132 MMC 78	m	1 670		
139	Vinyl edge capping CRIS 67 CTOP 78 EMER 139 MATE 175 MEDI 141 THEA 382 PHAR 108 RADI 69 MMC 78	m	1 237		
140	Vinyl sheet wall covering with welded joints CRIS 35 EMER 66 MEDI 74 THEA 291 OUTP 73 RADI 68 MMC 43	m²	650		
	Carried to Collection			R	

		Unit	Quantity	Rate	Amount
	Taking out carefully ironmongery, store temporarily and reinstate in similar position by mechanical screw mount				
141	Door signage 300 x 60mm high from timber door	No	137		
	CRIS 3 CTOP 7 DENT 8 EMER 11 MATE 13 MEDI 10 THEA 16 OUTP 44 PHAR 6 SERV 8 RADI 4 MMC 7				
142	Door stop from brick wall	No	1		
	SERV 1				
143	Door stop on floor	No	9		
	CTOP 1 MEDI 2 SERV 3 MMC 3				
	Taking out and removing ironmongery				
144	Double cylinder lock from timber door	No	169		
	CRIS 5 CTOP 12 DENT 12 EMER 22 MATE 23 MEDI 19 THEA 34 PHAR 11 GUAR 3 RADI 16 MMC 12				
145	WC indicator bolt with keep fixed to metal	No	1		
	RECE 1				
146	Single cylinder lockset from timber door	No	5		
	RECE 4 WATE 1				
147	Double cylinder lock from timber door	No	96		
	RECE 41 OUTP 36 SERV 19				
	Taking out and removing ironmongery, store temporarily and reinstate in similar position				
148	Lever handle lockset from timber door	No	125		
	CRIS 8 CTOP 2 DENT 2 RECE 30 MATE 12 MEDI 17 THEA 6 OUTP 20 SERV 2 RESA 26				
149	Kickplate from timber door	No	23		
	CRIS 2 DENT 1 RECE 2 MATE 11 MEDI 3 OUTP 4				
150	Door closer from timber door	No	1		
	CTOP 1				
151	Door stop from floors and walls	No	1		
	CTOP 1				
152	Hinges from steel door frame	No	6		
	MATE 3 MEDI 3				
153	Toilet paper holder from wall	No	1		
	THEA 1				
	Carried to Collection			R	

		Unit	Quantity	Rate	Amount
154	Liquid soap dispenser from wall THEA 1	No	1		
155	Double arm soap rack from wall THEA 1	No	1		
156	Paper towel dispenser from wall THEA 1	No	1		
157	Waste container from wall THEA 1	No	1		
158	Hat and coat hook from wall THEA 1	No	1		
159	Door stop from floor CTOP 1 MMC 1	No	2		
160	Multi rack two hat and coat hook from wall THEA 1	No	1		
161	Steel shelving size 918 x 2,209 x 357mm deep from wall THEA 14	No	14		
	Fix firmly into position loose/shaking sundry metalwork, etc				
162	Steel burglar proofing with frame 600 x 600mm high bolted to brickwork, including making good face brickwork MATE 1	No	1		
163	Steel burglar proofing with frame 900 x 600mm high bolted to brickwork, including making good face brickwork RESA 2	No	2		
164	Steel burglar proofing with frame 1,800 x 1,500mm high bolted to brickwork, including making good face brickwork MATE 1	No	1		
165	Aluminium window with frame 600 x 600mm high bolted to brickwork, including making good face brickwork RESA 1	No	1		
166	Aluminium window with frame 900 x 600mm high bolted to brickwork, including making good face brickwork RESA 2	No	2		
167	Aluminium window with frame 900 x 1,800mm high bolted to brickwork, including making good face brickwork RESA 2	No	2		
168	Aluminium louvre 1,000 x 1,000mm high bolted to brickwork, including making good face brickwork GSG 1	No	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Taking out and removing sundry metalwork, etc, store temporarily and reinstate in similar position.				
169	Aluminium pipe mullions from walls, including making good plaster finish	m	2		
	DENT 2				
170	Aluminium louvre 1,170 x 2,100mm high bolted to brickwork, including making good face brickwork	No	2		
	GSG 2				
171	Steel I-beam 305 x 165 x 41kg/m from walls, including brackets, and making good plaster finish	m	22		
	THEA 22				
	Hacking up/off and removing granolithic, screeds, plaster, etc. from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc.				
172	60mm Granolithic from floors	m²	114		
	SERV 114				
173	Screeds average 35mm thick	m²	480		
	THEA 291 SERV 105 RESA 48 WAST 36				
174	4mm Waterproofing membrane from roofs	m²	1 071		
	EMER 26 RECE 108 MATE 36 MEDI 43 THEA 105 OUTP 273 PHAR 223 SERV 27 RESA 48 GUAR 67 RADI 34 WAST 81				
175	Internal plaster from walls and columns	m²	125		
	DENT 9 RECE 80 OUTP 24 PHAR 9 SERV 3				
176	External plaster from walls, columns and beams	m²	166		
	SERV 42 RESA 73 GUAR 19 GSG 32				
177	External mortar joints from walls, columns and beams, including resealing neatly with mortar	m	19		
	RESA 18 GUAR 1				
	Hacking up/off and removing ceramic tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish, etc.				
178	Tiles to walls	m²	330		
	CRIS 2 CTOP 8 DENT 5 EMER 3 MATE 3 MEDI 2 THEA 51 OUTP 3 SERV 3 RESA 244 RADI 3 MMC 3				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
179	Tile adhesive to walls	m²	166		
	EMER 21 RECE 21 MATE 22 MEDI 32 THEA 11 OUTP 21 SERV 34 MMC 4				
180	Tiles to floors	m²	555		
	CRIS 5 CTOP 16 DENT 6 EMER 31 RECE 48 MATE 45 MEDI 42 THEA 62 OUTP 72 PHAR 7 SERV 159 RESA 35 GUAR 8 RADI 5 MMC 14				
181	Tile skirtings 150mm high	m	19		
	PHAR 8 RESA 11				
	Taking out and removing piping, sanitary fittings, etc., setting aside for re-use and later refixing in similar position including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)				
182	Stainless steel slop hopper 540 x 540mm Type 351350 with 110mm outlet	No	8		
	CTOP 1 EMER 1 MATE 1 MEDI 1 THEA 2 OUTP 1 MMC 1				
183	Stainless steel wash trough 500 x 450 x 240mm Type 318619	No	1		
	THEA 1				
184	Ceramic fireclay hospital basin 585 x 435mm Type 703611	No	2		
	MEDI 1 THEA 1				
185	Rofo 125V (H) NW 50mm floor trap	No	4		
	CTOP 1 MATE 1 THEA 2				
186	Flush valve including connection to existing water reticulation	No	7		
	CTOP 1 EMER 1 MATE 1 MEDI 1 THEA 2 MMC 1				
187	Solar water heating installation from roofs amd relocate on galvanised steel structures including all connections complete as per architect's drawing no. W402	No	5		
	RESA 5				
188	Stainless steel Combination bed pan and wash up sink Type 350050 with two seamless bowls	No	1		
	OUTP 1				
	Carried to Collection			R	

		Unit	Quantity	Rate	Amount
	Taking out and removing piping, sanitary fittings, etc., including cutting off as necessary, disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)				
189	Vitreous china WC pan with flush valve	No	9		
	RESA 8 GUAR 1				
190	Shower tray	No	3		
	MEDI 1 THEA 2				
191	Existing rubber hose from FHR reels and re-install existing spout	No	19		
	CRIS 1 CTOP 1 DENT 1 EMER 1 RECE 2 MATE 1 MEDI 1 THEA 2 OUTP 2 PHAR 1 SERV 2 RESA 2 RADI 1 MMC 1				
192	PVC piping not exceeding 50mm diameter	m	22		
	THEA 1 OUTP 21				
193	PVC shoe exceeding 50mm and not exceeding 100mm diameter	m	4		
	SERV 4				
194	PVC piping exceeding 50mm and not exceeding 100mm diameter	m	2		
	EMER 1 OUTP 1				
195	Basin waste	No	89		
	CRIS 1 CTOP 5 DENT 7 EMER 5 RECE 10 MATE 12 MEDI 11 THEA 6 OUTP 22 RADI 6 MMC 4				
196	Bottle trap	No	90		
	CRIS 2 CTOP 5 DENT 7 EMER 5 RECE 10 MATE 12 MEDI 11 THEA 6 OUTP 22 RADI 6 MMC 4				
197	Angle regulating valve	No	100		
	CRIS 4 CTOP 6 DENT 14 EMER 10 RECE 2 MATE 10 MEDI 14 THEA 10 OUTP 12 RADI 12 MMC 6				
	Taking out/off and removing glass and mirrors				
198	Glass from aluminium windows with beads, setting aside for re-use including frosting and replacing any broken glass panes with 6mm frosted glass, and later refixing in similar positions	m^2	13		
	PHAR 13				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
199	Glass from aluminium windows with beads, including cleaning out rebates and preparing for new glass CRIS 1 OUTP 4 PHAR 1 MMC 1	m²	7		
	CUTTING THROUGH FLOORS AND CEILINGS				
	Cutting through				
200	150mm Thick unreinforced concrete surface bed for 600mm wide trenchs for drain pipes and making good concrete SERV 7	m	7		
201	150mm Thick unreinforced concrete surface bed for 900mm wide concrete wall footings and making good concrete on both sides of new half brick walls MEDI 9 RADI 2	m	11		
202	150mm Thick unreinforced concrete surface bed for 1,300mm wide concrete wall footings and making good concrete on both sides of new half brick walls RESA 13	m	13		
203	100mm Thick unreinforced concrete surface bed for 1,200 x 1,200mm concrete underpinning base and making good concrete all round (making good floor finishes elsewhere) RESA 10	No	10		
204	Gypsum plasterboard ceilings and timber brandering for half brick walls, including making good on both sides of walls (new cornices elsewhere) RESA 18	m	18		
	Cutting through a V-groove				
205	Saw cut 100mm thick reinforced concrete surface bed CRIS 1 CTOP 1 EMER 1 MATE 3 MEDI 3 THEA 5 SERV 3 MMC 1	m	18		
	BUILDING UP OPENINGS				
	Sundries				
206	Cutting through existing one-brick wall and insert 12mm bitumen impregnated fibre board not exceeding 300mm wide to form expansion joints between brick surfaces RESA 12	m	12		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	PREPARATORY WORK TO EXISTING SURFACES				
	Preparatory work				
207	Allow provision for securing and propping up existing one brick walls exceeding 1,5m and not exceeding 3m high	m	9		
	GSG 9				
208	Allow for securing and propping up existing timber trusses exceeding 1,5m and not exceeding 3m high	m²	16		
	RESA 16				
	Scabble faces existing surface of concrete and prepare surface to receive new concrete (elsewhere)				
209	Surface beds	m²	2		
	WATE 2				
	Skimmng faces of existing concrete to smooth and neat finish				
210	Treshholds	m²	5		
	RECE 3 OUTP 1 SERV 1				
	MAKING GOOD OF FINISHES, ETC.				
	Making good face brick				
	External facings in approved face bricks (FBS) with a PC Amount of R5,000 (Five thousand Rands) per thousand bricks delivered to site (excluding VAT) pointed with recessed horizontal and vertical joints.				
211	Half brick wall in facings in patchwork including all bonding to existing facebrickwork	m²	3		
	PHAR 1 WATE 2				
	External facings in approved face bricks (FBS) with a PC amount of R5,000 (Five thousand Rands) per thousand bricks delivered to site (excluding VAT) pointed with recessed flush horizontal and vertical joints as the work proceeds				
212	Half brick wall in facing in patchwork including all bonding to existing facebrickwork	m²	1		
	THEA 1				
	Internal Plaster				
213	Make good chasing in existing plaster 300mm wide, prepare surface and repair with chicken mesh covered with new plaster and paint to match existing paint	m²	130		
	RECE 2 MATE 24 MEDI 24 THEA 10 PHAR 50 SERV 3 RADI 17				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
214	Make good cracks more than 5mm wide by hacking out and removing existing plaster 150mm wide on both sides of cracks, prepare surface and repair with chicken mesh covered with new plaster and paint to match existing paint	m	53		
	RESA 53				
	Fix firmly into position loose/shaking bathroom fittings, etc to wall and clean down by hand with an approved cleaning agent and wash down				
215	Existing hat and coat hook	No	49		
	CRIS 1 CTOP 1 EMER 1 MATE 7 MEDI 7 THEA 4 OUTP 14 SERV 3 RESA 10 MMC 1				
216	Existing straight grab rails	No	20		
	CRIS 1 CTOP 1 MATE 3 MEDI 3 THEA 2 OUTP 6 SERV 3 MMC 1				
217	Existing double toilet roll holder	No	61		
	CRIS 1 CTOP 2 DENT 1 EMER 5 RECE 10 MATE 4 MEDI 6 THEA 4 OUTP 7 PHAR 1 SERV 4 RESA 8 GUAR 1 RADI 5 MMC 2				
218	Existing waste container	No	78		
	CRIS 1 CTOP 5 DENT 7 EMER 10 RECE 10 MATE 13 MEDI 13 PHAR 1 SERV 6 GUAR 1 RADI 6 MMC 5				
219	Existing paper towel dispenser	No	78		
	CRIS 1 CTOP 5 DENT 7 EMER 10 RECE 10 MATE 13 MEDI 13 PHAR 1 SERV 6 GUAR 1 RADI 6 MMC 5				
220	Existing soap dispenser	No	110		
	CRIS 1 CTOP 5 DENT 7 EMER 10 RECE 10 MATE 13 MEDI 13 THEA 10 OUTP 22 PHAR 1 SERV 6 GUAR 1 RADI 6 MMC 5				
221	Existing floor mounted door stop	No	3		
	PHAR 1 SERV 2				
	Fix firmly into position loose/shaking waiting area chairs				
222	Existing steel chairs anchored to floor 3,5m long	No	9		
	RECE 8 RADI 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Clean down by hand with an approved cleaning agent and wash down				
223	Existing facebrick walls	m²	4 205		
	CRIS 50 CTOP 47 DENT 59 EMER 57 RECE 245 MATE 68 MEDI 53 THEA 95 OUTP 2461 PHAR 60 SERV 292 RESA 365 RADI 39 MMC 47 WAST 78 WATE 63 GSG 126				
224	Existing aluminium windows	m²	763		
	CRIS 21 CTOP 25 DENT 54 EMER 39 RECE 69 MATE 63 MEDI 57 THEA 49 OUTP 120 PHAR 51 SERV 55 RESA 76 GUAR 33 RADI 24 MMC 25 WATE 2				
225	Existing 'Daisy' wash hand basin	No	39		
	CRIS 1 CTOP 2 EMER 3 RECE 3 MATE 1 MEDI 6 THEA 5 OUTP 4 PHAR 1 SERV 4 RESA 2 GUAR 1 RADI 4 MMC 2				
226	Existing 'Cameo' wash hand basin	No	39		
	CTOP 1 DENT 7 EMER 3 RECE 7 MATE 4 MEDI 2 THEA 2 OUTP 2 SERV 2 RESA 6 RADI 2 MMC 1				
227	Existing 'Hygia' wash hand basin	No	35		
	CTOP 2 EMER 4 MATE 7 MEDI 5 OUTP 16 MMC 1				
228	Existing 'Letaba' shower tray including drains	No	16		
	CRIS 1 CTOP 1 EMER 1 MATE 3 MEDI 3 THEA 3 SERV 3 MMC 1				
229	Existing 'Nueva Europa' bath including drains	No	7		
	MEDI 2 RESA 5				
230	Existing slop hopper 540 x 540mm type 351350	No	8		
	CTOP 1 EMER 1 MATE 1 MEDI 1 THEA 2 OUTP 1 MMC 1				
231	Existing sink 1,200 x 535mm type 312081	No	5		
	RESA 5				
232	Existing Wash trough	No	3		
	RECE 1 SERV 2				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
233	Existing hospital surgeon scrub-up unit 1,800 x 1070mm type 351750	No	2		
	THEA 2				
234	Existing combination bed pan	No	1		
	OUTP 1				
235	Existing bedpan and bottle rack, 610 x 560mm type 350650	No	8		
	CTOP 1 EMER 1 MATE 1 MEDI 1 THEA 2 OUTP 1 MMC 1				
236	Existing combination bedpan and wash-up sink type 350050	No	5		
	CTOP 1 EMER 1 MATE 1 MEDI 1 MMC 1				
237	Existing baby bath size 1,500 x 555mm	No	1		
	MATE 1				
238	Existing floor traps	No	34		
	CRIS 1 CTOP 2 EMER 2 RECE 1 MATE 4 MEDI 6 THEA 5 OUTP 1 PHAR 2 SERV 4 RADI 4 MMC 2				
239	Existing door handles	No	444		
	CRIS 10 CTOP 24 DENT 24 EMER 18 MATE 46 MEDI 40 THEA 62 PHAR 16 SERV 42 RESA 116 GUAR 6 RADI 16 MMC 24				
	Service the following plumbing fittings and leave in perfect working order including making good all works disturbed.				
240	Existing toilet flush valve code: FM1.210	No	9		
	RESA 8 GUAR 1				
	OPENINGS THROUGH EXISTING WALLS ETC				
	Breaking out for and forming openings through brick walls for new windows, including brick lintels, making good cement plaster on one side and into reveals and face brickwork on other side and into reveals and with existing precast concrete sills on outside and flat quarry tile sills on inside (new windows and making good paintwork elsewhere)				
241	Opening for window 1,500 x 1,500m high through one brick wall	No	5		
	RESA 5				
	Carried to Collection			**R**	

BILL NO. 1

ALTERATIONS

COLLECTION

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		Amount
Brought from Previous	**R**	
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Carried To Section Summary	**R**	

	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 2

EARTHWORKS

(CPAP WORK GROUP NO. 104 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

Nature of ground

A soils investigation has been carried out on the site by the engineer and the report is annexed to these bills of quantities. The soils report indicates that the ground varies between silty sand, reworked soil of mixed origin and residual shale, all of which will be deemed as 'earth'. All very hard unweathered shale, ironstone, etc., the removal of which necessitates the use of explosives or heavy duty hydraulic percussion hammers (peckers), will be classified as 'hard rock'

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	Excavation for working space in rock				
	Notwithstanding clause 11 page 8 of the Standard System of Measuring Building Work, excavation for working space in rock will be measured in cubic metres to the extent executed and given as 'extra over' bulk excavation or trench and hole excavation as the case may be				
	Carting away of excavated material				
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site				
	Filling				
	Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any necessary multiple handling of material				
	Testing				
	Prices for filling are to include for all necessary density tests in accordance with SABS 1200D				
	SITE CLEARANCE				
	Site clearance				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth	m²	776		
	THEA 52 RESB 636 GENB 59 INVE 29				
	BULK EXCAVATIONS ETC				
	Excavation in earth for platforms				
2	Not exceeding 2m deep	m³	157		
	THEA 69 GENB 59 INVE 29				
	Extra over bulk excavations in earth for excavation in				
3	Soft rock	m³	16		
	THEA 1 KITC 6 GENB 6 INVE 3				
4	Hard rock	m³	8		
	THEA 1 KITC 3 GENB 3 INVE 1				
	Carried to Collection			R	

		Unit	Quantity	Rate	Amount
	Extra over all excavations for carting away				
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m³	157		
	THEA 10 KITC 59 GENB 59 INVE 29				
	Risk of collapse of excavations				
6	Sides of bulk excavations not exceeding 1,5m deep	m²	89		
	THEA 13 KITC 16 GENB 32 INVE 28				
	Keeping excavations free of water				
7	Keeping excavations free of water other than subterranean water	Item			
	Un/A 1				
	BULK FILLING ETC				
	G5 filling supplied by the contractor, compacted to 95% Mod AASHTO density				
8	Over site to form platforms	m³	157		
	THEA 10 KITC 59 GENB 59 INVE 29				
9	Over site to make up levels	m³	713		
	RESB 713				
	Compaction of surfaces				
10	Compaction of ground surface under floors etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m²	746		
	EMER 4 THEA 10 RADI 8 RESB 636 GENB 59 INVE 29				
	Prescribed density tests on filling				
11	Modified AASHTO Density test	No	33		
	THEA 3 RESB 15 GENB 10 INVE 5				
	EXCAVATION ETC				
	Excavation in earth not exceeding 2m deep				
12	Trenches	m³	253		
	MEDI 5 THEA 12 RESA 7 RADI 1 KITC 9 RESB 180 GENB 20 INVE 19				
13	Thickenings under surface bed	m³	1		
	GENB 1				
14	Holes	m³	8		
	RESB 8				
	Carried to Collection			R	

		Unit	Quantity	Rate	Amount
15	Reducing levels	m³	20		
	CRIS 1 CTOP 1 EMER 1 MATE 3 MEDI 3 THEA 9 SERV 1 MMC 1				
	Extra over trench and hole excavations in earth for excavation in				
16	Soft rock	m³	26		
	THEA 2 KITC 1 RESB 19 GENB 2 INVE 2				
17	Hard rock	m³	12		
	THEA 1 RESB 9 GENB 1 INVE 1				
	Extra over trench and hole excavations in earth for breaking up and removing				
	Extra over all excavations for carting away				
18	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m³	88		
	CRIS 1 CTOP 1 EMER 1 MATE 3 THEA 15 SERV 1 RESA 3 RADI 1 MMC 1 KITC 4 RESB 51 GENB 11 INVE -5				
	Risk of collapse of excavations				
19	Sides of trench and hole excavations not exceeding 1,5m deep	m²	1 277		
	MEDI 17 THEA 37 RESA 25 RADI 3 KITC 24 RESB 1080 GENB 53 INVE 38				
	Keeping excavations free of water				
20	Keeping excavations free of all water other than subterranean water.	Item			
	Un/A 1				
	FILLING ETC OTHER THAN BULK				
	Earth filling obtained from the excavations (not compacted)				
21	In landscape mounds, berms, etc	m³	7		
	THEA 7				
	Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density				
22	Under floors, steps, pavings, etc.	m³	58		
	THEA 1 RESA 2 KITC 3 RESB 42 GENB 8 INVE 2				
	Carried to Collection			R	

		Unit	Quantity	Rate	Amount
23	Backfilling to trenches, holes, etc. MEDI 1 THEA 22 RESA 10 RADI 1 RESB 87 GENB 9 INVE 10 **G5 filling supplied by the contractor, compacted to 95% Mod AASHTO density**	m³	140		
24	Under floors, steps, pavings, etc. THEA 16 RESA 2 KITC 1 GENB 4 INVE 2 **Coarse river sand filling supplied by the contractor**	m³	25		
25	Under floors etc. THEA 7 RESA 6 RESB 18 GENB 1 INVE 1 **Compaction of surfaces**	m³	33		
26	Compaction of ground surface under floors etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density CRIS 1 CTOP 2 DENT 8 EMER 3 RECE 2 MATE 35 MEDI 14 THEA 87 OUTP 13 PHAR 3 SERV 25 RESA 155 RADI 3 MMC 11 KITC 9 GAS 24 RESB 415 GENB 54 INVE 15 **Prescribed density tests on filling**	m²	879		
27	Modified AASHTO Density test THEA 6 RESA 5 KITC 6 RESB 15 GENB 2 INVE 2 **SOIL POISONING** **Soil insecticide in accordance with SANS 5859**	No	36		
28	Under floors etc. including forming and poisoning shallow furrows against foundation walls etc., filling in furrows and ramming CRIS 1 CTOP 1 EMER 1 MATE 3 MEDI 8 THEA 83 SERV 3 RESA 144 MMC 1 KITC 9 GAS 24 RESB 415 GENB 26 INVE 22	m²	741		
29	To bottoms and sides of trenches etc. MEDI 22 THEA 58 RESA 38 RADI 4 KITC 66 RESB 728 GENB 17 INVE 69	m²	1 002		
	Carried to Collection			**R**	

BILL NO. 2

EARTHWORKS

COLLECTION

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	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 3

CONCRETE, FORMWORK AND REINFORCEMENT

(CPAP WORK GROUP NO. 110 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

Cost of tests

The costs of making, storing and testing of concrete test cubes as required under clause 7 Tests of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	Formwork				
	Descriptions of formwork shall be deemed to include use and waste only (except where described as 'left in' or 'permanent'), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use				
	The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself				
	Formwork to soffits of solid slabs etc. shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described				
	Formwork to soffits of slabs, beams, etc. shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described				
	Formwork to sides of bases, pile caps, ground beams, etc. will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in Earthworks				
	UNREINFORCED CONCRETE CAST ON/IN FORMWORK				
	20Mpa/19mm concrete				
1	Copings	m³	8		
	CRIS 1 CTOP 1 EMER 1 MATE 1 MEDI 1 THEA 1 RADI 1 MMC 1				
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	15MPa/19mm concrete				
2	Surface blinding under footings and bases	m³	74		
	THEA 64 RESB 9 GENB 1				
3	Filling in hollow brick piers	m³	2		
	RESB 1 INVE 1				
	REINFORCED CONCRETE CAST ON/IN FORMWORK				
	30MPa/19mm concrete				
4	Slabs including beams and inverted beams	m³	55		
	THEA 2 GSG 1 KITC 38 FIRE 1 RESB 7 GENB 6				
	Carried to Collection			R	

		Unit	Quantity	Rate	Amount
5	Isolated beams	m³	0.94		
	THEA 0.43 RADI 0.51				
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25MPa/19mm concrete				
6	Pavings cast in panels	m³	71		
	DENT 1 EMER 1 MATE 3 MEDI 1 THEA 1 OUTP 1 SERV 2 RESA 29 RADI 1 MMC 1 KITC 7 FIRE 2 GAS 2 RESB 16 GENB 3				
	30MPa/19mm concrete				
7	Strip footings	m³	64		
	MEDI 1 THEA 3 RESA 4 KITC 2 RESB 45 GENB 4 INVE 5				
8	Bases	m³	3		
	RESB 3				
9	Stub columns	m³	1		
	THEA 1				
10	Machine bases	m³	4		
	THEA 1 WATE 2 FIRE 1				
11	Surface beds on waterproofing	m³	78		
	THEA 6 RESA 11 RESB 54 GENB 3 INVE 4				
12	Ramps	m³	9		
	THEA 5 GSG 2 FIRE 1 GENB 1				
	TEST CUBES				
	Test cubes				
13	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	23		
	THEA 3 GSG 1 KITC 6 FIRE 3 RESB 5 GENB 3 INVE 2				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a wood float				
14	Surface beds, slabs, etc.	m²	883		
	CRIS 1 CTOP 1 EMER 1 MATE 3 MEDI 3 THEA 81 SERV 3 RESA 77 MMC 1 GSG 6 KITC 145 RESB 497 GENB 47 INVE 17				
	Finishing top surfaces of concrete smooth with a steel trowel				
15	Surface beds, slabs, etc.	m²	58		
	CRIS 5 CTOP 5 EMER 5 MATE 5 MEDI 5 THEA 12 RADI 5 MMC 5 WATE 2 FIRE 9				
	Finishing top surfaces of concrete to an evenly ribbed non-slip surface				
16	Pavings to falls	m²	519		
	CTOP 1 DENT 8 EMER 9 RECE 2 MATE 32 MEDI 6 THEA 7 OUTP 13 PHAR 3 SERV 22 RESA 87 RADI 11 MMC 10 GSG 7 KITC 67 FIRE 19 GAS 24 RESB 163 GENB 28				
	25MPa non-shrink grout				
17	Bedding approximately 20mm thick under 250 x 250mm base plate including chamfered edges all round	No	5		
	GUAR 2 RESB 3				
18	Bedding approximately 20mm thick under 300 x 300mm base plate including chamfered edges all round	No	3		
	THEA 3				
	SMOOTH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)				
	Smooth formwork to sides				
19	Inverted beams	m²	2		
	KITC 2				
20	Beams	m²	10		
	THEA 4 RADI 4 KITC 2				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
21	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	882		
	CRIS 1 DENT 7 EMER 9 RECE 2 MATE 33 MEDI 6 THEA 7 OUTP 11 PHAR 4 SERV 22 RESA 119 RADI 11 MMC 10 WATE 4 GSG 31 KITC 145 FIRE 32 GAS 36 RESB 314 GENB 67 INVE 11				
22	Edges, risers, ends and reveals not exceeding 300mm high or wide circular on plan	m	12		
	RESA 10 RESB 2				
	Smooth formwork to soffits				
23	Slabs exceeding 250mm and not exceeding 500mm thick	m²	166		
	KITC 126 RESB 40				
24	Slabs propped up exceeding 1,5m and not exceeding 3m high	m²	100		
	THEA 11 GSG 6 KITC 8 FIRE 2 RESB 42 GENB 31				
25	Beams	m²	1		
	KITC 1				
	Smooth formwork to sides and soffits				
26	Copings	m²	40		
	CRIS 5 CTOP 5 EMER 5 MATE 5 MEDI 5 THEA 5 RADI 5 MMC 5				
	Boxing in smooth formwork to form				
27	15 x 15mm Horizontal twice splayed chases or grooves to bottom edges of slabs	m	259		
	CRIS 28 CTOP 28 EMER 28 MATE 28 MEDI 28 THEA 28 RADI 28 MMC 28 KITC 5 FIRE 2 RESB 28				
	MOVEMENT JOINTS ETC				
	Two layers of 375 micron dampproof course in slip joints between horizontal concrete and brick surfaces including cement mortar bed				
28	Exceeding 300mm wide	m²	21		
	THEA 13 FIRE 8				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Expansion joints with 25mm softboard closed cell expanded polyethylene between vertical concrete and brick surfaces				
29	Not exceeding 300mm high to edges of surface beds	m	922		
	EMER 8 THEA 113 SERV 22 RESA 113 RADI 8 GSG 18 KITC 12 GAS 36 RESB 508 GENB 70 INVE 14				
	Expansion joints with 20mm bitumen impregnated softboard between vertical concrete surfaces, including necessary formwork				
30	Not exceeding 300mm high through surface beds	m	5		
	THEA 5				
	Saw-cut joints				
31	15 x 150mm Saw-cut joints through concrete surface beds	m	70		
	RESA 17 FIRE 53				
	Vertical construction joints through concrete including thick cement slurry to one face				
32	Surface beds not exceeding 300mmm thick	m	35		
	RESA 25 KITC 8 INVE 2				
	REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)				
	Mild steel reinforcement to structural concrete work				
33	8mm Diameter bars	Tonnes	0.81		
	MEDI 0.18 THEA 0.01 RESA 0.15 GSG 0.03 KITC 0.2 FIRE 0.06 GENB 0.07 INVE 0.11				
	High tensile steel reinforcement to structural concrete work				
34	10mm Diameter bars	Tonnes	5.21		
	MEDI 0.15 THEA 0.05 RADI 0.02 GSG 0.28 KITC 2.02 FIRE 0.22 RESB 2.04 GENB 0.2 INVE 0.23				
35	12mm Diameter bars	Tonnes	7.12		
	MEDI 0.15 THEA 0.16 RADI 0.03 KITC 1.82 FIRE 0.83 RESB 3.5 GENB 0.4 INVE 0.23				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Fabric reinforcement				
36	Type 193 fabric reinforcement in concrete surface bes etc. CRIS 1 CTOP 2 DENT 8 EMER 10 RECE 2 MATE 35 MEDI 9 THEA 9 OUTP 13 PHAR 3 SERV 22 RESA 68 RADI 11 MMC 10 GSG 1 KITC 63 FIRE 19 GAS 24 RESB 163 GENB 28	m²	501		
37	Type 245 fabric reinforcement in concrete surface beds etc. THEA 77 SERV 3 RESA 61 MMC 1 RESB 415 GENB 26 INVE 17	m²	600		
38	Type 888 fabric reinforcement in concrete slabs etc. GSG 6 RESB 39	m²	45		
	Sundry reinforcement				
39	Drill mortice for and including 16mm diameter x 300mm long high tensile steel dowel, with one end epoxied with "Epidermix 372" or similar approved epoxy into one side of existing concrete slab, column, etc., and other end cast into side of new concrete THEA 16	No	16		
	Carried to Collection			**R**	

BILL NO. 3

CONCRETE, FORMWORK AND REINFORCEMENT

COLLECTION

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	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 4

PRECAST CONCRETE

(CPAP WORK GROUP NO. 112 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

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 principal agent 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

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	PRECAST CONCRETE COPINGS ETC				
	Precast concrete finished smooth on exposed surfaces including bedding, jointing and pointing				
1	320 x 80mm Thick overall copings twice weathered on top to 60mm thick along both edges, with drip groove in bottom along both edges (Type Old World Concretes Residency 320) or similar approved	m	666		
	DENT 37 EMER 17 RECE 129 MATE 19 MEDI 22 THEA 26 OUTP 141 PHAR 55 SERV 94 RADI 21 GSG 24 KITC 31 FIRE 6 GAS 20 GENB 24				
2	320 x 80mm Thick overall copings twice weathered on top to 60mm thick along both edges, with drip groove in bottom along both edges circular on plan (Type Old World Concretes Residency 320) or similar approved	m	27		
	DENT 16 RECE 7 PHAR 4				
3	430 x 80mm Thick overall copings twice weathered on top to 60mm thick along both edges, with drip groove in bottom along both edges (Type Old World Concretes Residency 430) or similar approved	m	45		
	RECE 24 SERV 15 WATE 3 FIRE 3				
4	Precast concrete coping (Type Watcrete code: 1) or similar approved	m	6		
	SERV 6				
5	450 x 70mm Thick overall copings twice weathered on top to 60mm thick along both edges, with drip groove in bottom along both edges	m	2		
	SERV 2				
6	165 x 90mm Thick overall window sills with 150mm wide weathered rebate in top and drip groove in bottom (Type Watcrete Code: E)	m	78		
	MEDI 2 SERV 2 RESA 8 KITC 14 FIRE 8 RESB 43 GENB 1				
7	150 x 53mm Thick overall treshholds with 115mm wide weathered rebate in top (Type Watcrete Code: DI) or similar approved	m	42		
	THEA 1 SERV 3 KITC 1 FIRE 2 RESB 33 GENB 2				
8	240 x 50mm Thick overall treshholds with 75mm wide weathered rebate in top (Type Old world Code: 200A) or similar approved	m	1		
	THEA 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
9	75 x 300mm overall PC kerbs (Type Modcon Code: 006) or similar approved THEA 19	m	19		
10	65 x 280mm overall PC kerbs (Type Modcon Code: 012) or similar approved THEA 3	m	3		
11	50 x 160mm overall PC kerbs (Type Modcon Code: 003) or similar approved THEA 2	m	2		
12	"Lion" or similar approved concrete Down Channel Stop End 610 mm RECE 4	No	4		
	Carried to Collection			**R**	

BILL NO. 4

PRECAST CONCRETE

COLLECTION

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	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 5

MASONRY

(CPAP WORK GROUP NO. 118 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

BRICKWORK

Pointing

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

Sizes in descriptions

Face bricks

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

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	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				
	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.				
	BRICKWORK IN FOUNDATIONS (PROVISIONAL)				
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar				
1	Piers	m³	1		
	INVE 1				
2	Half brick walls	m²	11		
	THEA 9 SERV 1 GENB 1				
3	One brick walls	m²	190		
	MEDI 5 THEA 21 SERV 2 RESA 27 RADI 2 KITC 11 RESB 84 GENB 28 INVE 10				
4	One brick walls circular on plan	m²	2		
	RESB 2				
5	Two brick walls	m²	56		
	RESB 56				
6	270 mm Cavity walls formed of two half-brick skins with 50 mm cavity between tied together with and including galvanised butterfly ties (five ties per square meter) and filled solid with 15 MPa (20 mm stone) unreinforced concrete	m²	86		
	RESB 86				
7	340 mm Cavity walls formed of one half-brick and one one brick skins with 50 mm cavity between tied together with and including galvanised butterfly ties (five ties per square meter) and filled solid with 15 MPa (20 mm stone) unreinforced concrete	m²	51		
	RESB 51				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	BRICKWORK IN SUPERSTRUCTURE				
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar				
8	Piers	m³	2		
	INVE 2				
9	Half brick walls	m²	499		
	MEDI 18 THEA 109 RESA 54 RADI 14 KITC 64 FIRE 4 RESB 234 GENB 2				
10	Half brick linings	m²	7		
	DENT 5 PHAR 1 RADI 1				
11	Half brick walls in beamfilling	m²	6		
	FIRE 6				
12	One brick walls	m²	807		
	MATE 1 MEDI 1 THEA 65 RESA 48 KITC 87 FIRE 26 RESB 463 GENB 86 INVE 30				
13	One brick walls circular on plan	m²	8		
	RESB 8				
14	One brick walls in beam filling	m²	15		
	RESA 2 RESB 13				
15	250mm Solid walls	m²	143		
	KITC 143				
16	330mm Solid walls	m²	8		
	KITC 3 FIRE 5				
17	360mm Solid walls	m²	5		
	KITC 5				
18	One and a half brick walls	m²	106		
	RESB 106				
19	Two brick walls	m²	2		
	THEA 2				
20	270 mm Cavity walls formed of two half-brick skins with 50 mm cavity between tied together with and including galvanised butterfly ties (five per square meter)	m²	83		
	RESB 83				
21	340 mm Cavity walls formed of one half-brick and one one brick skins with 50 mm cavity between tied together with and including galvanised butterfly ties (five per square meter)	m²	116		
	RESB 116				
	Carried to Collection			R	

		Unit	Quantity	Rate	Amount
22	220mm Copings on top of one brick walls, to be plastered (Plaster elsewhere) INVE 14	m	14		
	Brickwork Sundries				
23	Cutting toothings and bonding new brickwork to existing MEDI 2 THEA 23 SERV 1 RESA 7 RADI 4 KITC 1	m²	38		
24	Splayed mortar fillets one course high in 50mm cavities RESB 137	m	137		
25	Closing 50mm cavities of hollow walls vertically with brickwork half brick wide RESB 107	m	107		
26	Closing 50mm cavities of hollow walls horizontally with one course of brickwork RESB 220	m	220		
	Joint forming material in movement joints				
27	10mm Bitumen impregnated fibre board built in vertically through brick walls THEA 1 RESA 7 KITC 1 INVE 1	m²	10		
	Steel bar reinforcement.				
28	16mm Diameter high tensile steel bars built in horizontally RESB 65	Kg	65		
	2,5mm Galvanised brick reinforcement				
29	75mm Wide reinforcement built in horizontally MEDI 54 THEA 361 SERV 3 RESA 54 RADI 42 KITC 192 FIRE 30 GAS 20 RESB 713 GENB 8	m	1 477		
30	150mm Wide reinforcement built in horizontally THEA 315 SERV 4 RESA 116 RADI 5 KITC 958 FIRE 599 GAS 145 RESB 2997 GENB 384 INVE 362	m	5 885		
31	150mm Wide reinforcement built in horizontally, curcular on plan RESB 29	m	29		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Prestressed fabricated concrete lintels including necessary temporary supports				
32	110 x 75mm Lintels in lengths not exceeding 3m	m	300		
	MEDI 5 THEA 30 RESA 13 RADI 3 KITC 58 FIRE 8 RESB 176 GENB 7				
	Turning pieces to lintels etc.				
33	110mm Wide turning pieces	m	300		
	MEDI 4 THEA 30 RESA 11 KITC 44 FIRE 18 RESB 187 GENB 6				
34	220mm Wide turning pieces	m	12		
	GAS 12				
	Galvanised wire ties etc.				
35	4mm Diameter roof tie 2m girth bent double, with one end built into brickwork and other end fixed to timber	No	98		
	FIRE 30 RESB 68				
	FACE BRICKWORK				
	Face face bricks with a cost price of R5,000.00 (five thousand Rands) net per thousand (cost price to include for delivery to site but to exclude VAT), pointed with recessed horizontal and flush vertical joints as the work proceeds				
36	Extra over brickwork for face brickwork in foundations (Provisional)	m²	90		
	THEA 9 RESA 4 RESB 60 GENB 8 INVE 9				
37	Extra over brickwork for face brickwork in foundations circular on plan (Provisional)	m²	2		
	RESB 2				
38	Extra over brickwork for face brickwork	m²	922		
	RESA 56 KITC 26 FIRE 66 RESB 669 GENB 86 INVE 19				
39	Extra over brickwork for face brickwork, circular on plan not exceeding 2m radius	m²	17		
	RESB 17				
40	Half brick walls in English bond pointed on both sides	m²	8		
	THEA 1 GAS 7				
41	One brick walls in English bond pointed on both sides	m²	188		
	THEA 21 KITC 17 FIRE 72 GAS 48 INVE 30				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
42	Extra over brickwork for brick-on-edge header course band GAS 6	m	6		
43	Extra over brickwork for brick-on-edge header course lintel pointed on face and 220mm soffit FIRE 11 GAS 9 GENB 2	m	22		
44	Fair raking cutting FIRE 12 GAS 19 RESB 29	m	60		
45	Fair splay cutting FIRE 24 GAS 12 RESB 51	m	87		
	Brick-on-edge header course copings, sills, etc. of face bricks with a cost price of R5,000.00 (five thousand Rands) net per thousand (cost price to include for delivery to site but to exclude VAT), pointed with recessed joints on all exposed faces				
46	220mm Copings on top of one brick walls THEA 13 RESA 7 KITC 32 FIRE 9 GAS 2 RESB 100	m	163		
47	220mm Copings on top of one brick walls circular on plan not exceeding 2m radius RESB 4	m	4		
48	220mm Copings on raking tops of one brick walls RESB 14	m	14		
	FIBRE-CEMENT WINDOW SILLS				
	Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs etc.				
49	15 x 150mm Wide sills set flat and slightly projecting CTOP 1 MEDI 2 SERV 1 RESA 7 MMC 1 KITC 14 FIRE 8 RESB 36 GENB 1	m	71		
	RUBBLE WALLS				
	Rubble walls of uncoursed random local stone to the architect's approval, including facing and pointing on one side				
50	Re-grout existing stone linings to brickwork GUAR 18	m²	18		
	Carried to Collection			**R**	

BILL NO. 5

MASONRY

COLLECTION

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	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 6

WATERPROOFING

(CPAP WORK GROUP NO. 120 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

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

Roof slabs shall be tested for leaks in the waterproofing by tanking to height of 300mm above membrane level for a period of three consecutive days and shall be inspected by the Principal Agent.

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	All Flat roofs to be tested for leaks in waterproofing by tanking with water to a level of approximatley 300mm above concrete slab for a period of three consecutive days				
	DAMPPROOFING OF WALLS AND FLOORS				
	One layer type FV dampproof course				
1	In walls Vertically at reveals	m²	59		
	RESA 29 KITC 10 FIRE 4 RESB 15 GENB 1				
	One layer 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B)				
2	In walls	m²	115		
	THEA 9 RESA 6 KITC 22 FIRE 11 RESB 58 GENB 5 INVE 4				
	One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape				
3	Under surface beds	m²	1 210		
	CTOP 2 DENT 8 EMER 10 RECE 2 MATE 35 MEDI 14 THEA 87 OUTP 13 PHAR 3 SERV 25 RESA 94 RADI 11 MMC 11 KITC 136 FIRE 58 GAS 24 RESB 623 GENB 54				
4	Over roof slabs	m²	555		
	RECE 108 OUTP 163 RESA 48 WAST 37 KITC 126 RESB 42 GENB 31				
	WATERPROOFING TO ROOFS, BASEMENTS, ETC				
	4mm "Derbigum SP" or similar approved waterproofing covered with type 40 bituminous fibreglass felt				
5	On flat roofs	m²	1 219		
	DENT 130 EMER 16 RECE 108 MATE 29 MEDI 35 THEA 96 OUTP 163 PHAR 205 SERV 20 RESA 53 GUAR 59 RADI 24 WAST 73 GSG 6 KITC 129 RESB 42 GENB 31				
6	On floors	m²	6		
	GSG 6				
7	On walls	m²	8		
	GSG 8				
	Carried to Collection			R	

		Unit	Quantity	Rate	Amount
8	Between concealed gutter and concrete roof tiles	m²	8		
	CRIS 1 CTOP 1 EMER 1 MATE 1 MEDI 1 THEA 1 OUTP 1 RADI 1				
9	On brick colums	m²	2		
	RECE 2				
10	On turn-ups and turn-downs exceeding 300mm girth	m²	268		
	DENT 15 EMER 6 RECE 16 MATE 8 MEDI 8 THEA 23 OUTP 34 PHAR 18 SERV 7 RESA 29 GUAR 9 RADI 7 WAST 5 GSG 9 KITC 55 RESB 9 GENB 10				
11	Sealing edges to brickwork or concrete including trowelled mastic bead	m	750		
	DENT 51 EMER 20 RECE 54 MATE 25 MEDI 28 THEA 76 OUTP 113 PHAR 59 SERV 23 GUAR 185 RADI 24 WAST 26 GSG 12 RESB 30 GENB 24				
12	Additional membrane 300mm girth at internal and external angles	m	114		
	DENT 11 EMER 4 RECE 14 MATE 4 MEDI 4 THEA 15 OUTP 13 PHAR 11 SERV 4 GUAR 4 RADI 4 WAST 6 GSG 8 RESB 8 GENB 4				
13	Additional membrane and sealing into 100mm diameter outlet	No	30		
	DENT 3 EMER 2 RECE 4 MATE 2 MEDI 2 THEA 3 OUTP 3 PHAR 3 SERV 2 GUAR 3 RADI 2 GENB 1				
14	Collar and sealing around pipe not exceeding 100mm internal diameter	No	32		
	DENT 3 EMER 1 RECE 8 MATE 1 MEDI 1 THEA 3 OUTP 6 PHAR 1 RADI 1 WAST 3 GSG 3 GENB 1				
	"Xpex admix C 1000" or similar approved applied at a rate of 3,5% of weight of cement				
15	On flat roofs	m²	6		
	GSG 6				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	1,2mm Galvanised sheet steel flashings				
16	Cover flashings 150mm girth, including sealing top edge with mastic in and including groove in brickwork	m	725		
	CRIS 9 DENT 51 EMER 20 RECE 108 MATE 25 MEDI 27 THEA 76 OUTP 113 PHAR 61 SERV 23 RESA 29 GUAR 10 RADI 26 WAST 25 KITC 61 FIRE 7 RESB 30 GENB 24				
	PROTECTIVE ROOFING PAINT				
	Two coats bituminous aluminium paint				
17	On waterproofing to roofs	m²	1 334		
	DENT 145 EMER 22 RECE 108 MATE 37 MEDI 43 THEA 96 OUTP 163 PHAR 223 SERV 27 RESA 52 GUAR 59 RADI 31 WAST 37 GSG 15 KITC 185 RESB 49 GENB 42				
18	On floors	m²	6		
	GSG 6				
19	On walls	m²	8		
	GSG 8				
	PROTECTIVE PAVING				
	610 x 610 x 50mm Precast concrete paving slabs on PVC spacers				
20	On waterproofing to flat roofs	m²	1 034		
	DENT 130 EMER 16 RECE 124 MATE 30 MEDI 35 THEA 96 OUTP 98 PHAR 205 SERV 20 GUAR 59 RADI 27 WAST 37 KITC 126 GENB 31				
	SEALING STRIPS, JOINT SEALANTS, ETC				
	'abe Thioflex 600 or similar approved' SABS 110-1973 two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc.				
21	10 x 10mm In expansion joints in floors including raking out expansion joint filler as necessary	m	646		
	THEA 5 KITC 109 RESB 508 GENB 24				
22	10 x 10mm In vertical expansion joints including raking out expansion joint filler as necessary	m	95		
	THEA 8 RESA 48 GSG 18 KITC 16 INVE 5				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	'Sikaflex Pro-3 I cure 209 or simlar approved' SABS 110-1973 two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc.				
23	10 x 10mm In between apron and building including raking out expansion joint filler as necessary	m	794		
	CRIS 28 CTOP 34 DENT 24 EMER 54 MATE 72 MEDI 60 THEA 77 PHAR 53 RESA 113 GUAR 14 RADI 50 MMC 34 WAST 18 WATE 15 GSG 24 KITC 64 GAS 36 GENB 24				
	Silicone sealing compound including backing cord, bond breaker, primer, etc.				
24	3 x 3mm Around edge of counter tops	m	128		
	CRIS 7 CTOP 9 DENT 8 EMER 20 MATE 9 MEDI 8 THEA 18 PHAR 11 RADI 9 MMC 6 KITC 23				
25	10 x 10mm Around alumunium windows including raking out existing silicon joint filler as necessary	m	1 288		
	CRIS 37 CTOP 50 DENT 90 EMER 23 RECE 135 MATE 52 MEDI 91 THEA 98 OUTP 90 PHAR 49 SERV 112 RESA 238 RADI 51 MMC 50 WATE 7 KITC 97 FIRE 18				
26	3 x 3mm Around edge of counter tops including raking out existing joint sealant as necessary	m	17		
	RECE 2 OUTP 11 SERV 4				
	'Sikaflex Pro-3 I cure 209' SABS 110-1973 two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc.				
27	10 x 10mm In expansion joints between apron and buildings including raking out expansion joint filler as necessary	m	329		
	RECE 68 OUTP 143 SERV 44 FIRE 74				
	Carried to Collection			**R**	

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WATERPROOFING			
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	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 7

ROOF COVERINGS

(CPAP WORK GROUP NO. 124 UNLESS OTHERWISE STATED)

Key:	**Location Description:**
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

PREAMBLES

For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	TILES (CPAP WORK GROUP NO. 122).				
	420 x 335mm Concrete tiles nailed with non-corrosive nails and/or fixed with suitable non-corrosive clips as required to 38 x 38mm sawn softwood battens at 340mm centres over and including an underlay of 250 micron polyethylene sheeting in accordance with SANS 952 Type E fixed to rafters under battens with minimum laps of 150mm				
1	Roof covering with pitches not exceeding 25 degrees	m²	101		
	EMER 8 MATE 22 MEDI 26 THEA 22 OUTP 14 RADI 9				
2	Hips of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 300mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay and raking cutting to tiles on both sides	m	48		
	MATE 16 MEDI 16 THEA 16				
3	Purpose made tile to end of hip, bedded and pointed in 1:3 tinted cement mortar	No	8		
	EMER 2 MATE 2 MEDI 2 THEA 2				
4	Purpose made tile to 3 - way intersection of ridge with hips bedded and pointed in 1:3 tinted cement mortar	No	3		
	MATE 1 MEDI 1 THEA 1				
	PROFILED METAL SHEETING AND ACCESSORIES				
	0,6mm "IBR" Z275 spelter galvanised troughed sheet steel in single lengths fixed to timber purlins and 0,6mm galvanised sheet steel accessories				
5	Roof covering with pitch not exceeding 25 degrees	m²	23		
	INVE 23				
	0,6mm Z275 spelter galvanised corrugated steel sheets with Chromadeck finish of approved standard colour on one side and standard grey backing finish on reverse side, fixed to timber steel purlins or rails				
6	Roof covering circular along the fall to 2,0m radius	m²	15		
	KITC 15				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	1,2mm Z275 spelter galvanised steel sheet accessories to preceding roof covering with Chromadeck finish of approved standard colour on one side and standard grey backing finish on reverse side				
7	Side wall flashings 462mm girth circular along fall to 2,0m radius	m	12		
	OUTP 2 KITC 10				
8	Side wall flashings 462mm girth circular along fall to 4,0m radius	m	50		
	RECE 50				
9	Cover flashings 185mm girth	m	4		
	OUTP 2 KITC 2				
10	Cover flashings 185mm girth circular along fall to 4,0m radius	m	50		
	RECE 50				
	0,6mm Z275 spelter galvanised corrugated sheet steel and accessories, with silicone polyester baked enamel paint finish on one side, fixed to timber purlins				
11	Roof covering with pitches not exceeding 25 degrees	m²	598		
	RECE 8 FIRE 86 GAS 41 RESB 463				
12	Circular cutting	m	6		
	RECE 6				
	1,2mm Z275 spelter galvanised steel sheet accessories to preceding roof covering with Chromadeck finish of approved standard colour on one side and standard grey backing finish on reverse side.				
13	Ridge cappings 462mm girth	m	12		
	FIRE 12				
14	Cover flashings 185mm girth	m	586		
	CRIS 10 CTOP 10 EMER 17 RECE 5 MATE 17 MEDI 17 THEA 14 SERV 10 RESA 281 RADI 13 MMC 10 FIRE 7 GAS 19 RESB 156				
15	Side wall flashings 462mm girth	m	270		
	EMER 3 MATE 3 MEDI 4 THEA 3 RESA 158 RADI 3 FIRE 7 GAS 7 RESB 82				
	Carried to Collection			R	

		Unit	Quantity	Rate	Amount
16	Head wall flashings 462mm girth EMER 4 RECE 5 MATE 4 THEA 10 SERV 10 RESA 125 RADI 10 GAS 12 RESB 62	m	242		
17	Barge flashing 660mm girth circular in elevation RECE 10	m	10		
18	Purpose made Cover flashings two times bent 330mm girth MATE 4	m	4		
19	Barge fascias 225mm girth, including packing pieces INVE 4	m	4		
	ROOF AND WALL INSULATION (CPAP WORK GROUP NO. 122)				
	40 + 40mm Thick Polystyrene rigid board insulation				
20	Insulation boarding with longitudinal flap joints, laid over concrete roof slabs. RECE 108 OUTP 163 KITC 126 GENB 26	m²	423		
	SHEET METAL FLASHINGS, LININGS, COPINGS, ETC				
	1,6mm Galvanised sheet steel fixed over rafters and bolted to wall as per architects drawing no. W402				
21	Linings to valleys with riveted and sealed joints CRIS 18 CTOP 8 EMER 8 MATE 8 MEDI 8 THEA 8 OUTP 8 SERV 7 RADI 8 MMC 8	m²	89		
	Carried to Collection			**R**	

BILL NO. 7

ROOF COVERINGS

COLLECTION

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	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 8

CARPENTRY AND JOINERY

(CPAP WORK GROUP NO. 126 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

Fixing

Items described as 'nailed' shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete

Items described as 'plugged' shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as 'bolted', the bolts have been given elsewhere

Joinery

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

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts				
	ROOFS ETC				
	Sundries				
1	Two coats creosote on sawn timbers CRIS 19 CTOP 23 EMER 24 RECE 55 MATE 43 MEDI 29 THEA 63 OUTP 61 SERV 32 RESA 80 RADI 19 MMC 23 WATE 7 GSG 9 FIRE 14 RESB 40	m²	541		
2	Vormann 70974000 Sendzimir Type A beam shoe 80 x 20mm or similar approved FIRE 6	m²	6		
	Wrought softwood grade 4				
3	12mm Tongued and grooved roof boarding in 75mm widths circular across depth to 5,700mm inner radius RECE 19	m²	19		
	PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC				
	Sawn softwood grade 4				
4	38 x 114mm Wall plates FIRE 24 RESB 50	m	74		
5	38 x 38mm Battens EMER 28 MATE 30 MEDI 30 THEA 36 RADI 30	m	154		
6	Roof construction to double pitched roof with two gable ends, 3,84 x 9,17m overall on plan x 1,806mm high overall, including trusses, jack rafters, permanent bracing and 38 x 38mm battens at 900mm centres for roof covering (wall plates elsewhere) RESB 2	No	2		
7	Roof construction to double pitched roof with two gable ends, 4,17 x 9,17m overall on plan x 2,180mm high overall, including trusses, jack rafters, permanent bracing and 38 x 38mm battens at 900mm centres for roof covering (wall plates elsewhere) RESB 2	No	2		
8	Roof construction to double pitched roof with two gable ends, 12,28 x 6,52m overall on plan x 1,107mm high overall, including trusses, jack rafters, permanent bracing and 38 x 38mm battens at 340mm centres for roof covering (wall plates elsewhere) FIRE 1	No	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
9	Roof construction to double pitched roof with two gable ends, 34,10 x 9,19m overall on plan x 2,180mm high overall, including trusses, jack rafters, permanent bracing and 38 x 38mm battens at 340mm centres for roof covering (wall plates elsewhere) RESB 1	No	1		
	EAVES, VERGES, ETC				
	High density plain fibre-cement fascias and barge boards				
10	15 x 225mm Fascias and barge boards, including galvanised steel H-profile joiners RESA 38 FIRE 25 RESB 37	m	100		
	Fibre-cement socketless barge boards				
11	80 x 200 x 12mm Barge boards, including aluminium H-profile joiners etc. EMER 14 MATE 15 MEDI 15 THEA 18 OUTP 7 SERV 9 RESA 43 RADI 15 FIRE 14 RESB 40	m	190		
	SKIRTINGS				
	Wrought meranti				
12	19 x 75mm Skirtings, nailed RECE 6 THEA 12 GUAR 2 KITC 55 RESB 270	m	345		
	DOORS				
	Wrought meranti doors				
13	44mm Framed, ledged and braced batten door 813 x 2,052mm high of 108mm wide top rail and stiles, 22 x 108mm middle ledge and braces and 44 x 144mm bottom ledge, filled in with 75 x 16mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-jointed and covered at back with 3mm plywood with matching veneer, let into and including rebates all round, complete with 45 x 45mm weather bar fixed to bottom rail RESA 7 RESB 6	No	13		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
14	44mm Framed, ledged and braced batten double door 1,206 x 2,026mm high with rebated meeting stiles, each leaf of 108mm wide top rail and stiles, 22 x 108mm middle ledge and braces and 44 x 144mm bottom ledge, filled in with 75 x 16mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-jointed and covered at the back with 3mm plywood veneer, let into and inlcuding rebates all round, complete with 45 x 45mm weather bar fixed to bottom rail	No	1		
	SERV 1				
15	44mm Framed, ledged and braced batten door 876 x 2,026mm high of 108mm wide top rail and stiles, 22 x 108mm middle ledge and braces and 44 x 144mm bottom ledge, filled in with 75 x 16mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-jointed and covered at back with 3mm plywood with matching veneer, let into and including rebates all round, complete with 45 x 45mm weather bar fixed to bottom rail	No	1		
	SERV 1				
16	44mm Framed, ledged and braced batten door 912 x 2,052mm high of 108mm wide top rail and stiles, 22 x 108mm middle ledge and braces and 44 x 144mm bottom ledge, filled in with 75 x 16mm tongued and grooved V-jointed one side vertical boarding with tongued and grooved joints to top rail and stiles and with inner edges of framing and abutting edges of boarding chamfered to form V-jointed and covered at back with 3mm plywood with matching veneer, let into and including rebates all round, complete with 45 x 45mm weather bar fixed to bottom rail	No	2		
	FIRE 1 RESB 1				
	Solid chipcore flush doors with 3,2mm hardboard covering on both sides and concealed edges, hung to steel frames				
17	40mm Door 590 x 1,980mm high	No	1		
	RECE 1				
18	40mm Door 762 x 2032mm high	No	15		
	MEDI 1 OUTP 1 SERV 1 KITC 1 RESB 11				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
19	40mm Door 813 x 2032mm high CRIS 4 CTOP 1 RECE 12 MATE 1 MEDI 7 THEA 9 OUTP 9 SERV 1 RESA 2 KITC 3 RESB 1	No	50		
20	40mm Door 813 x 2032mm high including 45 x 45mm weather strip, and 300 x 300mm aluminium louvre with vermin proofing mesh THEA 1	No	1		
21	40mm Door 900 x 2032mm high RECE 2 MEDI 1 THEA 8 PHAR 1 SERV 1 KITC 4 RESB 2	No	19		
22	40mm Double door with unequal leafs 1,359 x 2,330mm high MATE 3	No	3		
23	40mm Double door with unequal leafs 1,359 x 2,032mm high CTOP 1 MATE 4 MEDI 3 MMC 1	No	9		
24	40mm Double door with unequal leafs including 900H x 505W and 900Hx 775W 3mm Vastrap with counter sunk wood screws at 350mm centres, 1,359 x 2,032mm high SERV 1	No	1		
25	40mm Double door including 4 No. 1200Hx 722W 3mm Vastrap with counter sunk wood screws at 350mm centres, 1,524 x 2,440mm high GENB 1	No	1		
26	40mm Double door with unequal leafs 1,380 x 2,032mm high RADI 1	No	1		
27	40mm Double door 1,800 x 2,032mm high MATE 1	No	1		
28	29mm Door 430 x 2020mm high RECE 1	No	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Purpose made sliding doors, including sliding gear, ironmongery, etc. fixed to brickwork or concrete				
29	44mm Framed door 1,800 x 2,165mm high of 108mm wide top rail and stiles, 108 x 22mm middle ledge, and braces and bottom ledge, and covered both sides with 12mm plywood with matching veneer, let into and including 10 x 68mm timber capping strip all round, complete with 1,800 x 600 x 2mm aluminium kick plate, 2 no. dove pull handle on 152 x 152mm modular back plate code: 5D66, including top hung sliding hardware (refer to drawing no. W503)	No	4		
	EMER 2 THEA 2				
30	44mm Framed radiation shielding door 1,900 x 2,165mm high of 108mm wide top rail and stiles, 108 x 22mm middle ledge, and braces and bottom ledge, and covered both sides with 12mm plywood with matching veneer and a 2,5mm Lead sheet fixed to frame, let into and including 10 x 68mm timber capping strip all round, complete with 1,800 x 600 x 2mm aluminium kick plate, 2 no. dove pull handle on 152 x 152mm modular back plate code: 5D66, including top hung sliding hardware (refer to drawing no. W502 & W505)	No	2		
	RADI 2				
	FRAMED FRAMES ETC				
	Wrought meranti				
31	105 x 50mm Rebated frames, plugged	m	78		
	SERV 5 RESA 39 GAS 34				
	BEADS, ARCHITRAVES, ETC				
	Wrought softwood				
32	50 x 20mm Ground, nailed	m	31		
	RESB 31				
33	19 x 50mm Architraves, nailed	m	34		
	RESB 34				
	PANELLING				
	Wrought meranti				
34	50mm Slatted panelling of 50 x 114mm horizontal tongue and groove slats at 114mm centres (grounds elsewhere)	m²	2		
	SERV 1 GAS 1				
	Blockboard panel bondred on all sides to 1,2mm stainless steel coverings				
35	19mm panelling to hood structure (grounds elsewhere)	m²	8		
	KITC 8				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	JOINERY SUNDRIES				
	Wrought meranti				
36	Corridor bumper rails, overall size 260 x 32mm twice angle rounded, bolted with 80mm long SS countersunk screws at 450mm centres along top and bottom edges including 1,2mm thick bonded polyvinyl sheeting and 22 x 9,5 x 1,6mm aluminium angle along top and bottom edges complete as per architect's drawing number W401	m	162		
	EMER 17 MATE 26 MEDI 25 THEA 64 KITC 30				
37	Bed-head unit bumper rails, size 1000 x 700 x 32mm thick bolted with 80mm long SS countersunk screws at 450mm centres along top and bottom edges and centre including 1,2mm thick bonded polyvinyl sheeting and 22 x 9,5 x 1,6mm aluminium angle surround on all edges complete as per architect's drawing number W401	No	42		
	CTOP 5 EMER 4 MATE 12 MEDI 11 THEA 5 RADI 2 MMC 3				
	Wrought Mahogany				
38	Back rest board with rounded exposed edges, overall size 120 x 30mm fixed to wall with 20 x 12 x 1,6mm SS tile listello code: SLI212 and formable SS striaght edge trim code: BFE150 all round backrest tiles complete as per architect's drawing number W412	m	17		
	RECE 8 OUTP 9				
	FITTINGS				
	Interior type particle board with formica on one side with bull nosed edge				
39	32mm Tops, shelves, sides, divisions, etc.	m²	5		
	DENT 2 THEA 1 RADI 2				
	Taking out and removing sundry joinery work, fittings, etc, setting aside for re-use and later refixing in similar new position				
40	Workbench 1,900 x 700 x 900mm high, from Service building anchored to floor	No	2		
	FIRE 2				
	FITTINGS: CUPBOARDS TO KITCHENS, BEDROOMS, ETC				
	References				
	References given in descriptions refer to the respective types of fittings detailed on the architect's drawing accompanying these bills of quantities for tender purposes				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Kitchen cupboards etc. with, type TS81035SC handles, type VLC1815NP-Nickel push lock and type 37mm ball bearing full extension metal drawer slides with load rating of 35kg				
41	Wall cupboard type impregnated melamine face board, overal size 900 x 300 x 700mm high with top, sides, bottom, division, shelf, back and double hinged doors, complete as per architects drawing no. W407	No	5		
	RESA 5				
42	Wall cupboard type impregnated melamine face board, overal size 1,586 x 300 x 700mm high with top, sides, bottom, division, shelf, back and double hinged doors, complete as per architects drawing no. W407	No	10		
	RESA 5 RESB 5				
43	Floor cupboard type impregnated melamine face board, overall size 1,065 x 537 x 900mm high with tops, sides, bottom, divisions, shelf, back and two double hinged doors, complete as per architect's drawing no. W407	No	10		
	RESA 5 RESB 5				
44	Sink cupboard type impregnated melamine face board, overall size 1,210 x 535 x 900mm high with tops, sides, bottom, divisions, shelf, back and three double hinged doors (sink elsewhere) complete as per architects drawing no. W404	No	3		
	THEA 1 PHAR 1 RADI 1				
45	Sink cupboard type impregnated melamine face board, overall size 1,230 x 535 x 900mm high with tops, sides, bottom, divisions, shelf, back and two double hinged doors and four drawers (sink elsewhere) complete as per architects drawing no. W404	No	1		
	MATE 1				
46	Sink cupboard type impregnated melamine face board, overall size 1,318 x 535 x 900mm high with tops, sides, bottom, divisions, shelf, back and two double hinged doors and four drawers (sink elsewhere) complete as per architects drawing no. W404	No	3		
	DENT 1 EMER 1 SERV 1				
47	Sink cupboard type impregnated melamine face board, overall size 1,600 x 535 x 900mm high with tops, sides, bottom, divisions, shelf, back and three double hinged doors, dividing framework and four drawers (sink elsewhere) complete as per architect's drawing no. W410	No	1		
	RECE 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
48	Sink cupboard type impregnated melamine face board, overall size 1,600 x 535 x 900mm high with tops, sides, bottom, divisions, shelf, back and three double hinged doors, dividing framework and four drawers (sink elsewhere) complete as per architect's drawing no. W404	No	2		
	OUTP 2				
49	Sink cupboard type impregnated melamine face board, overall size 1,618 x 535 x 900mm high with tops, sides, bottom, divisions, shelf, back and three double hinged doors and four drawers (sink elsewhere) complete as per architects drawing no. W405	No	5		
	RESA 5				
50	Sink cupboard type impregnated melamine face board, overall size 1,618 x 535 x 900mm high with tops, sides, bottom, divisions, shelf, back and three double hinged doors and four drawers (sink elsewhere) complete as per architects drawing no. W404	No	1		
	MEDI 1				
51	Sink cupboard type impregnated melamine face board, overall size 1,618 x 535 x 900mm high with tops, sides, bottom, divisions, shelf, back and three double hinged doors, dividing framework and four drawers (sink elsewhere) complete as per architect's drawing no. W407	No	1		
	SERV 1				
52	Sink cupboard type impregnated melamine face board, overall size 1,620 x 535 x 900mm high with tops, sides, bottom, divisions, shelf, back and three double hinged doors and four drawers (sink elsewhere) complete as per architects drawing no. W405	No	1		
	GUAR 1				
53	Sink cupboard type impregnated melamine face board, overall size 2,060 x 535 x 900mm high with tops, sides, bottom, divisions, shelf, back and two double hinged doors and four drawers (sink elsewhere) complete as per architects drawing no. W405	No	1		
	EMER 1				
54	Sink cupboard type impregnated melamine face board, overall size 2,070 x 535 x 900mm high with tops, sides, bottom, divisions, shelf, back and two double hinged doors and four drawers (sink elsewhere) complete as per architects drawing no. W404	No	1		
	CRIS 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
55	Sink cupboard type impregnated melamine face board, overall size 2,100 x 535 x 900mm high with tops, sides, bottom, divisions, shelf, back and four double hinged doors and four drawers (sink elsewhere) complete as per architects drawing no. W404	No	2		
	CTOP 1 MMC 1				
56	Sink cupboard type impregnated melamine face board, overall size 2,190 x 600 x 900mm high with tops, sides, bottom, divisions, shelf, back and four double hinged doors, dividing framework and twelve drawers (sink elsewhere) complete as per architect's drawing no. W402	No	1		
	DENT 1				
57	Sink cupboard type impregnated melamine face board, overall size 2,980 x 537 x 900mm high with tops, sides, bottom, divisions, shelf, back and one single hinged door, two double hinged doors, and four drawers (sink elsewhere) complete as per architect's drawing no. W407	No	5		
	RESA 5				
58	Sink cupboard type impregnated melamine face board, overall size 3,040 x 537 x 900mm high with tops, sides, bottom, divisions, shelf, back and one double hinged doors, and four drawers (sink elsewhere) complete as per architect's drawing no. W407	No	10		
	RESA 5 RESB 5				
59	Laboratory counter type impregnated melamine face board, overall size 2,150 x 600 x 900mm high with tops, sides, bottom, divisions, shelf, back and two double hinged doors and twelve drawers (sink elsewhere) complete as per architects drawing no. W402	No	1		
	DENT 1				
60	Store cupboard type impregnated melamine face board, overall size 2,140 x 450 x 2,050mm high with tops, sides, bottom, divisions, shelf, back and eight double hinged doors complete as per architects drawing no.	No	1		
	THEA 1				
61	Store cupboard type impregnated melamine face board, overall size 2,140 x 450 x 2,050mm high with tops, sides, bottom, divisions, shelf, back and six double hinged doors complete as per architects drawing no.	No	1		
	THEA 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
62	Cashier cupboard type blockboard with masonite finish, overall size 530 x 648 x 2,020mm high with tops, sides, bottom, shelfs, back and single tripple door (ironmongery elsewhere) complete as per architect's drawing no. W409	No	1		
	RECE 1				
63	Boardroom cabinet door type particle boad with melamine finish, overall size 595 x 818 x 16mm thick complete as per architect's drawing no. W407	No	3		
	RECE 3				
64	Replace shelf type impregnated melamine face board, overall size 2,600 x 600mm wide complete as per architects drawing no. W402	No	1		
	DENT 1				
	Bedroom cupboards with standard hinges, type STSH90996-SS handles, standard roller catches to upper doors, standard cupboard locks to lower doors, 100mm brass barrel bolts to lower double doors and clothes hanging rails in hanging spaces				
65	Cupboard Type A 2,290 x 600 x 2,714mm high with top, sides, bottom, division, shelves, doors, etc complete as shown on architects drawing No. W407	No	2		
	RESA 1 RESB 1				
66	Cupboard Type B 2,160 x 1,192 x 2,714mm high with top, sides, bottom, division, shelves, doors, etc complete as shown on architects drawing No. W408	No	6		
	RESA 3 RESB 3				
67	Cupboard Type B 2,860 x 600 x 2,714mm high with top, sides, bottom, division, shelves, doors, etc complete as shown on architects drawing No. W408	No	6		
	RESA 3 RESB 3				
68	Cupboard Type B 1,070 x 900 x 2,690mm high with top, sides, bottom, division, shelves, doors, etc complete as shown on architects drawing No. W408	No	6		
	RESA 3 RESB 3				
69	Cupboard Type C 1,860 x 600 x 2,714mm high with top, sides, bottom, division, shelves, doors, etc complete as shown on architects drawing No. W407	No	2		
	RESA 1 RESB 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	RECEPTION COUNTERS, ETC				
	Counters etc. with type, type TS81035SC handles, type VLC1815NP-Nickel push lock and type 37mm full extension metal drawer slides with load rating of 35kg				
70	Office desk type impregnated melamine face board, overall size 1,450 x 600 x 750mm high with sides, bottom, divisions, shelf, back, single hinged door and two drawer complete as per architects drawing no. W403 THEA 1	No	1		
71	CSSD desk type impregnated melamine face board, overall size 1,964 x 600 x 900mm high with sides, bottom, divisions, shelf, back, sing hinged door as per architects drawing no. W403 THEA 1	No	1		
72	Development counter top type impregnated melamine face board, overall size 2,196 x 700 x 750mm high supported on 400 x 450 x 4mm thick stayed bracket with two coats enamel paint finish complete as per architects drawing no. W405 RADI 1	No	1		
73	Development counter type impregnated melamine face board, overall size 3,440 x 700 x 750mm high with sides, bottom, divisions, shelf, back, three double hinged door and four drawer complete as per architects drawing no. W405. RADI 1	No	1		
74	Delivery counter type impregnated melamine face board, overall size 1,400 x 800 x 900mm high with sides, bottom, divisions, shelf, back, one double hinged door and one drawer complete as per architects drawing no. W404 PHAR 1	No	1		
75	Clean linen counter type impregnated melamine face board, overall size 2,660 x 1,000 x 900mm high with sides, bottom, divisions, shelf, back, and single hinged door complete as per architects drawing no. W404 SERV 1	No	1		
76	Delivery counter type impregnated melamine face board, overall size 1,400 x 800 x 900mm high with sides, bottom, divisions, shelf, back, one double hinged door and one drawer complete as per architects drawing no. W406 SERV 1	No	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
77	Delivery counter type impregnated melamine face board, overall size 1,560 x 720 x 1,150mm high with sides, bottom, divisions, shelf, back and four drawers complete as per architects drawing no. W406 CTOP 1 RADI 1 MMC 1	No	3		
78	Office cupboard type impregnated melamine face board, overall size 2,260 x 446 x 2,032 mm high with sides, bottom, divisions, shelf, back, with one double hinged door size 1,100 x 900mm high, signle hinged door size 500 x 2,160mm high and one double hinged door size 1,100 x 2,160mm high complete as per architects drawing no. W408 KITC 1	No	1		
79	Office cupboard type impregnated melamine face board, overall size 3,040 x 447 x 2,160mm high with sides, bottom, divisions, shelf, back, with one double hinged door size 1,100 x 900mm high, signle hinged door size 500 x 2,160mm high and one double hinged door size 1,100 x 2,160mm high complete as per architects drawing no. W406 PHAR 1	No	1		
80	Reception counter type impregnated melamine face board, overall size 2,620 x 1,760 x 1,150mm high with sides, bottom, divisions, shelf, back, single hinged door and eight drawers complete as per architects drawing no. W404 CRIS 1 CTOP 1	No	2		
81	Reception counter type impregnated melamine face board, overall size 2,800 x 1,885 x 750mm high with sides, bottom, divisions, shelf, back, single hinged door, double hinged door and four drawers complete as per architects drawing no. W401 GUAR 1	No	1		
82	Reception counter type impregnated melamine face board, overall size 2,060 x 1,702 x 1,150mm high with sides, bottom, divisions, shelf, back and four drawers complete as per architects drawing no. W404 DENT 1 EMER 1	No	2		
83	Reception counter type impregnated melamine face board, overall size 2,060 x 1,702 x 1,150mm high with sides, bottom, divisions, shelf, back and eight drawers complete as per architects drawing no. W405 MATE 1	No	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
84	Reception counter type impregnated melamine face board, overall size 2,502 x 1,732 x 1,150mm high with sides, bottom, divisions, shelf, back and eight drawers complete as per architects drawing no. W406 MEDI 1	No	1		
85	Reception counter type impregnated melamine face board, overall size 2,574 x 854 x 1,230mm high with sides, bottom, divisions, shelf, back and single hinged door complete as per architects drawing no. W409 THEA 1	No	1		
86	Reception counter type impregnated melamine face board, overall size 2,835 x 830 x 1,150mm high with sides, bottom, divisions, shelf, back and single hinged door and eight drawers complete as per architects drawing no. W405 OUTP 1	No	1		
	Carried to Collection			**R**	

BILL NO. 8

CARPENTRY AND JOINERY

COLLECTION

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	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 9

CEILINGS PARTITIONS AND ACCESS FLOORING

(CPAP WORK GROUP NO. 129 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

Fixing

Items described as 'nailed' shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete

Items described as 'plugged' shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as 'bolted', the bolts have been given elsewhere

Ceilings

Unless otherwise described ceilings shall be deemed to be horizontal

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	Bulkheads				
	Bulkheads are defined as those portions of ceilings which are stepped down from the general ceiling level in a particular room or area and which generally occur along the perimeter. Their purpose is either to conceal services or to create architectural features				
	Steel components				
	All steel components for ceilings, partitions, etc. are to be galvanised in accordance with SANS 121				
	CEILING TIMBERS, BEADS, INSULATION, ETC				
	Wrought meranti				
1	19 x 50mm Cornices, nailed at 350mm c/c	m	2 877		
	CRIS 19 CTOP 44 EMER 152 RECE 190 MATE 241 MEDI 419 THEA 452 OUTP 167 SERV 292 RESA 140 RADI 138 MMC 176 FIRE 55 RESB 392				
2	19 x 50mm Cornices, nailed at 350mm c/c circular in elevation	m	36		
	RECE 36				
3	50mm Quadrant, nailed at 350mm c/c	m	23		
	RECE 23				
	Non-combustible fibreglass insulation of a density of not less than 12kg/m3 bonded with an inert thermo-setting with single aluminium foil on the underside				
4	50mm Insulation in blanket form lapped not less than 50mm along all edges and laid on top of brandering between roof timbers etc.	m²	886		
	CRIS 43 CTOP 108 RECE 312 OUTP 316 RADI 46 FIRE 61				
5	100mm Insulation in blanket form lapped not less than 50mm along all edges and laid on top of brandering between roof timbers etc	m²	39		
	CRIS 39				
6	100 + 50mm Insulation in blanket form lapped not less than 50mm along all edges and laid on top of brandering between roof timbers etc.	m²	2 301		
	CRIS 16 CTOP 17 EMER 55 RECE 264 MATE 217 MEDI 205 THEA 283 OUTP 47 SERV 90 RESA 215 RADI 522 MMC 5 RESB 365				
	Carried to Collection			R	

		Unit	Quantity	Rate	Amount
	Type "Isover" or similar approved non-combustible rigid accoustic insulation with single aluminium foil on the underside				
7	50mm Insulation panels on galvanised steel frame (elsewhere).	m²	28		
	GSG 28				
	NAILED-UP CEILINGS				
	9,5mm Gypsum plasterboard with taped joints and the whole finished with gypsum plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer				
8	Ceilings including 38 x 38mm sawn softwood brandering at 450mm centres	m²	1 857		
	CRIS 16 CTOP 17 EMER 55 RECE 212 MATE 217 MEDI 205 THEA 283 OUTP 47 SERV 90 RESA 215 RADI 130 MMC 5 RESB 365				
9	Extra over ceiling for 600 x 600 x 3mm thick pressed steel trap door, hinged to open 180 degrees onto ceiling, in 20 x 20 x 2mm T-section steel frame	No	32		
	CTOP 1 EMER 1 RECE 2 MATE 2 MEDI 2 THEA 1 OUTP 4 SERV 7 RESA 5 RADI 1 MMC 1 RESB 5				
10	Extra over ceiling for 300 x 300mm opening for ventilation grille/air conditioning diffuser	No	5		
	RECE 5				
11	Extra over ceiling for 600 x 600mm opening for ventilation grille/air conditioning diffuser	No	1		
	OUTP 1				
12	Extra over ceiling for 1,200 x 600mm opening for ventilation grille/air conditioning diffuser	No	1		
	RECE 1				
13	Extra over ceiling for opening for 600 x 600mm light fitting	No	21		
	EMER 1 RECE 20				
14	Extra over ceiling for opening for 100mm diameter downlighter	No	7		
	RECE 7				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	9mm Fibre-cement plain ceiling boards with alumunium cover strips over joints				
15	Sloping ceilings joined with joiner sections and nailed to timber rafters including standard steel perimeter angles fixed to walls etc. FIRE 61	m²	61		
	SUSPENDED CEILINGS				
	1,200 x 600 x 12,5mm pre-painted acoustic panels on exposed suspension grid system including hangers, necessary hold-down clips and wedges, etc.				
16	Ceilings suspended not exceeding 1m below timber trusses RECE 21 GSG 29	m²	50		
17	Ceilings suspended not exceeding 1m below concrete soffits RECE 24 OUTP 56	m²	80		
	Cornices, perimeter trims, etc. to suspended ceilings				
18	Type SM25 pre-painted wall angles, plugged RECE 74 OUTP 18 GSG 22	m	114		
19	Type SM25 pre-painted wall angles circular on plan, plugged OUTP 19	m	19		
	4,6mm Fibre-cement plain ceiling boards				
20	Opening for smoke detector RECE 4	No	4		
21	Circular cutting OUTP 10	m	10		
	4,6mm Fibre-cement plain board on screw-up tee suspension grid including hangers etc, with tape fixed over joints and the whole finished with gypsum plaster trowelled to a smooth polished surface				
22	Rectangular bulkheads against wall 80mm wide x 200mm high, suspended exceeding 1m and not exceeding 2m below concrete soffits RECE 10	m	10		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	TOILET CUBICLES (CPAP WORK GROUP NO. 138)				
	"Vitraflex" or similar toilet cubicles consisting of 50mm thick partitions, doors and stiles of laminated construction with outer skins of vitreous enamelled steel sheets bonded to wood particle board, all framed in natural anodised aluminium channel section beading, top rails and fixing components and fitted with all necessary ironmongery comprising standard indicating bolts, combined coat hooks and door stops, toilet roll holders and rubber buffers				
23	Partition 950 x 1800mm high	No	2		
	RADI 2				
	"Vitaflex" or similar toilet cubicles consisting of 20mm thick partitions, doors and stiles of laminated construction with outer skins of vitreous enamelled steel sheets bonded to wood particle board, all framed in natural anodised aluminium channel section beading, top rails and fixing components and fitted with all necessary ironmongery comprising standard indicating bolts, combined coat hooks and door stops, toilet roll holders and rubber buffers				
24	Partition 2,000 x 1800mm high	No	1		
	MEDI 1				
25	Door 813 x 1800mm high	No	1		
	MEDI 1				
26	End stile 145 x 2000mm high	No	1		
	MEDI 1				
27	Wall stile 105 x 2000mm high	No	1		
	MEDI 1				
28	Extra over for chromium plated rising butt hinge	No	2		
	MEDI 2				
29	Extra over for powder coating to aluminium beading, brackets and ironmongery - per cubicle	No	1		
	MEDI 1				
	NAILED-UP CEILINGS				
	9,5mm Gypsum plasterboard with taped joints and the whole finished with gypsum plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer				
30	One coat gypsum skim plaster finish on existing Ceilings.	m²	70		
	Un/A 70				
	Carried to Collection			**R**	

BILL NO. 9

CEILINGS PARTITIONS AND ACCESS FLOORING

COLLECTION

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		Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 10

FLOOR COVERINGS

(CPAP WORK GROUP NO. 130 UNLESS OTHERWISE STATED)

Key:	**Location Description:**
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

Floor coverings, wall linings, etc. shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc.

FLOOR COVERINGS

2,5mm Type Conductive static control fully flexible vinyl sheeting with welded joints

1	On floors	m²	33		
	RADI 33				
2	Turn-ups over coves and up against walls exceeding 1,000 and not exceeding 1,500mm girth	m	35		
	RADI 35				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	2,5mm Type Eclipse Pur fully flexible vinyl sheeting with welded joints				
3	On floors	m²	596		
	CRIS 12 EMER 66 MEDI 74 THEA 291 OUTP 110 MMC 43				
4	On walls	m²	142		
	THEA 142				
5	Turn-ups over coves and up against walls not exceeding 500mm girth	m	2 067		
	CRIS 79 CTOP 174 DENT 85 EMER 139 MATE 175 MEDI 156 THEA 711 OUTP 230 PHAR 108 RADI 132 MMC 78				
	SKIRTINGS, NOSINGS, ETC				
	Type "Poly Flor" or similar approved skirtings, nosings, etc.				
6	Code: CS 48 vinyl edging, 35mm profile with 15mm turned down flap	m	1 552		
	CRIS 67 CTOP 96 DENT 85 EMER 139 MATE 175 MEDI 156 THEA 286 OUTP 230 PHAR 108 RADI 132 MMC 78				
	Type "FloorworX" or similar approved skirtings, nosings, etc.				
7	Code: MCF54 vinyl quarter rounds	m	519		
	MEDI 3 THEA 286 OUTP 230				
	POLISH, SEALERS, ETC				
	Polish, Sealers, etc.				
8	Strip vinyl flooring with "FloorworX Stripper" or similar approved 1:5 solution, rinse area of floor using "FloorworX Rinse" 1:10 solution, and apply 3 coats of "FloorX Silk" Matt or gloss Sealer in accordance with manufacture's instructions	m²	1 626		
	CRIS 72 CTOP 91 EMER 161 MATE 182 MEDI 206 THEA 476 OUTP 231 RADI 114 MMC 93				
	Carried to Collection			R	

BILL NO. 10

FLOOR COVERINGS

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	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 11

IRONMONGERY

(CPAP WORK GROUP NO. 132 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

Proprietary items

Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc. clarifying the features of the products/articles offered On request returnable samples are to be provided to the principal agent for consideration

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	Finishes to ironmongery				
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AN Anodised natural AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded				
	HINGES, BOLTS, ETC.				
	In accordance with "Union" catalogue or similar approved				
1	Grub screw	No	142		
	CTOP 16 DENT 4 EMER 8 RECE 16 MEDI 16 THEA 4 OUTP 16 RESA 8 GUAR 8 RADI 4 MMC 42				
2	Cover cap for window handle grub screw	No	31		
	CTOP 1 DENT 2 EMER 5 MATE 1 MEDI 1 SERV 4 RESA 3 RADI 14				
3	Ref SUS 304, SS friction stay 400mm long	No	6		
	THEA 2 RESA 1 GUAR 2 RADI 1				
4	Factory aluminium window handle	No	4		
	THEA 2 SERV 1 RADI 1				
5	Spindle	No	1		
	OUTP 1				
6	Ref 8852SC Dust proof strike	No	21		
	RECE 2 MATE 2 MEDI 4 OUTP 2 PHAR 2 SERV 6 RADI 1 MMC 1 GENB 1				
7	100mm Ref 8352-100SS two ball bearing stainless steel butt hinge	No	51		
	SERV 15 RESA 15 RESB 21				
8	Ref EN1935GRD-SS 2BB stainless steel butt hinge	No	55		
	RECE 3 MATE 2 MEDI 21 RESA 21 GENB 8				
9	100mm Ref HNFL-403020-SAA flush steel hinge	No	88		
	CRIS 4 CTOP 4 DENT 4 EMER 8 RECE 5 MATE 7 MEDI 2 THEA 10 OUTP 6 PHAR 8 SERV 15 GUAR 1 RADI 10 MMC 4				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
10	75 x 50mm SS butt hinge RECE 3	No	3		
11	150mm Ref AL8208-150AS / YCS80SC flush bolt with keep fixed to metal MATE 2 MEDI 2 PHAR 2 SERV 1	No	7		
12	150mm Ref AL8208-150AS / YCS80SC flush bolt with keep let into concrete MATE 2 MEDI 2 PHAR 2 SERV 1	No	7		
13	150mm Ref AL8208-225AS / YCS80SC flush bolt with keep let into concrete MATE 2	No	2		
14	150mm Ref 8052-150NP / 8852SC flush bolt with keep let into concrete MATE 2 SERV 1 GENB 1	No	4		
15	150mm Ref 8052-150NP / 8852SC flush bolt with keep fixed to timber MATE 2 SERV 1 GENB 1	No	4		
16	Ref 37651LH WC indicator bolt with keep fixed to metal RECE 1 MEDI 1 OUTP 1	No	3		
17	200mm Black Japaned iron barrel bolt WATE 2	No	2		
18	5mm Diameter bolts RECE 8	No	8		
	The followin locks are to be suitable for master and grand master key operation				
	LOCKS				
	In accordance with "Union" catalogue or similar approved				
19	Ref: UN336000000010, 60mm shank padlock KITC 4	No	4		
	EN-SUITE LOCKS				
	The following locks are to be suitable for master and grand master key operation				
	In accordance with "Union" catalogue or similar approved				
20	Ref 2226-78SS bathroom WC upright lockset with striking plate fixed to metal DENT 1 EMER 1 RECE 1 MEDI 2 THEA 1	No	6		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
21	Ref 2215-78SS bathroom WC upright lockset with striking plate fixed to metal	No	4		
	THEA 2 SERV 2				
22	Ref SS5004-73 bathroom WC upright lockset with striking plate fixed to metal	No	1		
	MEDI 1				
23	Ref 2252-76SS three-lever upright lockset with striking plate fixed to timber	No	32		
	RESA 13 RESB 19				
24	Ref 2261-76SS four-lever upright lockset with striking plate fixed to timber	No	14		
	RESA 7 RESB 7				
25	Ref L-22315-76SS euro profile cylinder upright lock case and striking plate	No	39		
	RECE 5 MATE 14 MEDI 2 THEA 5 RADI 1 KITC 11 FIRE 1				
26	Ref L-2215-78SS/SL euro profile cylinder upright lock case and striking plate	No	9		
	KITC 8 GENB 1				
27	Ref L-21315-76SS euro profile cylinder upright lock case and striking plate	No	10		
	RECE 2 MATE 1 THEA 3 SERV 2 KITC 2				
28	Ref L-2209-78SS euro profile cylinder upright lock case and striking plate	No	1		
	THEA 1				
29	Ref 1000T SS thumb lockset with striking plate fixed to metal	No	1		
	SERV 1				
30	Ref 452-32 cylinder CBD dead lock case and striking plate fixed to timber	No	1		
	RECE 1				
31	Ref 2x815/TPN NP 1 EA privacy E/P cylinder NP	No	1		
	EMER 1				
32	Ref 2x18SCGMK euro profile double cylinder	No	195		
	CRIS 4 CTOP 10 EMER 20 RECE 8 MATE 23 MEDI 23 THEA 24 OUTP 24 PHAR 6 SERV 15 GUAR 2 RADI 13 MMC 12 KITC 9 FIRE 1 GENB 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
33	Ref 2x19SCGMK euro profile Knob cylinder	No	69		
	CRIS 1 CTOP 2 DENT 1 EMER 6 RECE 14 MATE 6 MEDI 7 THEA 9 OUTP 10 PHAR 2 SERV 1 GUAR 1 RADI 5 MMC 2 KITC 1 FIRE 1				
34	Ref 2x20SCGMK euro profile Knob cylinder	No	2		
	THEA 1 SERV 1				
35	Ref CY110GMES3310SN MK euro profile Knob cylinder	No	2		
	GAS 2				
36	Ref L-404001-76SS Solenoid lock W/out CYL 25mm	No	14		
	RECE 2 MATE 1 THEA 4 OUTP 3 PHAR 2 SERV 1 FIRE 1				
37	Ref EL-460-100110-76SS Solenoid lock W/out CYL 25mm	No	3		
	WATE 1 GAS 2				
38	Ref 2700 rebate conversion set	No	7		
	CTOP 1 MATE 2 MEDI 2 SERV 1 MMC 1				
39	Ref 2915SC rebate conversion set	No	1		
	GENB 1				
40	Ref 452-32 cylinder escutcheon	No	1		
	RECE 1				
41	Ref AL584-05AS cylinder escutcheon	No	1		
	SERV 1				
42	Ref PZ-05SS cylinder escutcheon	No	2		
	GAS 2				
43	Ref SS5305-05SS cylinder escutcheon	Pairs	1		
	GENB 1				
44	Ref EA322-10000 SIL striker plate DIN	No	8		
	THEA 1 SERV 5 GAS 2				
45	Ref EA280-10000 lead cover	No	2		
	GAS 2				
46	Ref EL420-EL560 (EA218-000000) 1,6mm cable	No	2		
	GAS 2				
47	Master key	No	14		
	CRIS 1 CTOP 1 DENT 1 EMER 1 RECE 1 MATE 1 MEDI 1 THEA 1 OUTP 1 PHAR 1 SERV 1 GUAR 1 RADI 1 MMC 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
48	Grand master key RECE 1 **In accordance with "Sounderson security" catalogue or similar**	No	1		
49	Ref F101010 electric lock kit CRIS 1 CTOP 1 EMER 2 MATE 2 MEDI 2 THEA 1 RADI 1 MMC 1 **In accordance with "Saundersonsecurity" catalogue or similar**	No	11		
50	Ref F101010 electric lock kit OUTP 3 FIRE 1 **In accordance with "Soundersonsecurity" catalogue or similar**	No	4		
51	Ref F101010 electric lock kit DENT 1 PHAR 1 **HANDLES** **In accordance with "Union" catalogue or similar approved**	No	2		
52	152mm Ref AL6D66TR-73AS anodised aluminium pull handle with back plates MEDI 1 THEA 2 RADI 2	Pairs	5		
53	152mm Ref AL6D66TL-73AS anodised aluminium pull handle with back plates DENT 1 RECE 1 MEDI 2 RADI 1	Pairs	5		
54	Ref AL6D66-05AS lever handles with back plates EMER 3 RECE 3 MATE 3 MEDI 4 THEA 15 PHAR 5 SERV 3 GUAR 1 RADI 3 KITC 11	Pairs	51		
55	Ref AL6D00-06AS lever handles with back plates GENB 1	Pairs	1		
56	Ref 6445-24SS lever handles with back plates RESA 20	Pairs	20		
57	Ref SSD66-22-05SS lever handles with back plates DENT 1 KITC 8	Pairs	9		
58	Ref SS6166-24SS lever handles with back plates RESB 26	Pairs	26		
59	300mm Ref AL5515-300BBAS anodised aluminium pull handles with roses, fixed back-to-back MEDI 1 RESB 1	Pairs	2		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
60	152mm Ref AL6D66L-06AS anodised aluminium pull handle with back plates	No	2		
	SERV 2				
61	152mm Ref AL6D66R-06AS anodised aluminium pull handle with back plates	No	2		
	SERV 2				
62	152mm Ref AL5D63-06AS anodised aluminium pull handle with back plates	No	6		
	SERV 6				
63	152mm Ref AL5D66-06AS anodised aluminium pull handles with back plates	No	2		
	SERV 2				
64	300mm Ref AL5516AS anodised aluminium pull handles with roses, fixed back-to-back	Pairs	1		
	RECE 1				
65	Ref SS5D76/304 SS stainless steel pull handles with roses, fixed back-to-back	Pairs	1		
	MEDI 1				
66	Ref SS6166-05SS stainless steel pull handles with roses, fixed back-to-back	Pairs	2		
	THEA 1 FIRE 1				
67	Ref 5206BBSSSS stainless steel pull handles BTB - 200mm centre with roses, fixed back-to-back	Pairs	3		
	THEA 3				
	PUSH PLATES AND KICK PLATES				
	In accordance with "Union" catalogue or similar approved				
68	Ref AL5089-250W anodised aluminium kick plate	No	73		
	DENT 2 EMER 7 RECE 1 MATE 17 MEDI 2 THEA 20 PHAR 4 SERV 2 GUAR 2 RADI 4 MMC 2 KITC 10				
69	Ref AL5089-300W anodised aluminium kick plate	No	17		
	PHAR 2 GUAR 1 RESB 14				
70	Ref AL5089-600W anodised aluminium kick plate	No	8		
	MEDI 4 KITC 4				
71	Ref AL5089-750W anodised aluminium kick plate	No	1		
	SERV 1				
72	Ref AL5089-800W anodised aluminium kick plate	No	26		
	MEDI 4 THEA 8 KITC 14				
73	Ref AL5089-900W anodised aluminium kick plate	No	1		
	FIRE 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
74	Ref AL5025-813 anodised aluminium kick plate MATE 2	No	2		
75	Ref AL5025-750 anodised aluminium kick plate SERV 2	No	2		
76	1,800 x 600 x 2mm Ref Aluminium kick plate THEA 2	No	2		
77	Ref SS5089-600W anodised aluminium kick plate MEDI 4	No	4		
78	Ref AL5023-340W Sil anodised aluminium push plate 152 x 304 x 3mm Works THEA 5	No	5		
	DOOR CLOSERS				
	In accordance with "Union" catalogue or similar approved				
79	Ref DC 737 EN3-5 SC door closer CRIS 1 CTOP 1 EMER 1 RECE 2 MATE 3 MEDI 3 THEA 5 OUTP 1 PHAR 2 SERV 3 RADI 1 MMC 1 KITC 7 FIRE 3	No	34		
80	Ref DC 477DA SIL Cam Motion door closer THEA 4	No	4		
81	Ref DC 500HO EN1-4 SC Cam Motion door closer RECE 2 MATE 1 THEA 5 SERV 3 KITC 5	No	16		
	LETTERS, NAMEPLATES, ETC.				
	In accordance with "Vista system" catalogue or similar approved				
82	300 X 60mm Ref WFL5 V60/300 anodised aluminium frame with 20mm high engraved and painted letters or numerals mounted on door CRIS 4 CTOP 8 DENT 8 EMER 12 RECE 15 MATE 13 MEDI 10 THEA 16 OUTP 25 PHAR 6 SERV 11 RADI 9 MMC 8 KITC 6	No	151		
83	600 X 150mm Ref WFP 136 V600/150 anodised aluminium frame with 40mm high engraved and painted letters or numerals mounted on wall SERV 3 RESA 1 WAST 1 GSG 1 GAS 3 GENB 2	No	11		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
84	660 X 210mm Ref SUS23 V660/200 anodised aluminium frame with 40mm high engraved and painted letters or numerals, suspended from ceiling	No	9		
	EMER 4 RECE 1 MATE 1 OUTP 1 KITC 2				
85	900 X 210mm Ref SUS23 V660/200 anodised aluminium frame with 40mm high engraved and painted letters or numerals, suspended from ceiling	No	3		
	THEA 1 PHAR 1 MMC 1				
86	1,150 X 210mm Ref SUS23 V660/200 anodised aluminium frame with 40mm high engraved and painted letters or numerals, suspended from ceiling	No	1		
	RADI 1				
87	150 X 150mm Ref WBD15 V150/150 anodised aluminium frame with male, female or paraplegic symbol, fixed to wall	No	16		
	EMER 4 RECE 5 MATE 1 MEDI 3 RADI 3				
	Fire Escape Signals - 190mm high				
88	Double sided Photoluminescent signs on Steel Frame, SABS Approved	No	35		
	CRIS 1 CTOP 1 EMER 3 RECE 3 MATE 3 MEDI 3 THEA 6 OUTP 3 PHAR 3 SERV 6 MMC 1 KITC 2				
	In accordance with "Union" catalogue or similar approved				
89	152 x 76mm Ref SS5063-06SS stainless steel plate with bed number	No	28		
	MATE 12 MEDI 16				
90	152 x 152mm Ref AL5066-06ASE11/10 anodised aluminium plate with male or female symbol	No	13		
	DENT 1 RECE 3 MEDI 3 THEA 2 OUTP 1 RADI 2 KITC 1				
91	152 x 152mm Ref AL5066-06ASE14 anodised aluminium plate with paraplegic symbol	No	2		
	MEDI 1 RADI 1				
92	152 x 152mm Ref AL5066-06AS anodised aluminium plate with paraplegic symbol	No	1		
	RADI 1				
93	152 x 152mm Ref AL5066-06AS anodised aluminium plate with danger symbol	No	1		
	RADI 1				
	Carried to Collection			**R**	

Section No. 2
Bill No. 11
Ironmongery

		Unit	Quantity	Rate	Amount
	In accordance with "Bushel" catalogue or similar approved				
94	175mm High Code: B3358 brass letter or numeral RESA 5 RESB 5	No	10		
95	170 x 68 x 3mm Thick natural anodised aluminium plate with 50mm new roman engraved numerals as shown on architect's drawing no. W403 RESA 16	No	16		
96	300 x 100 x 3mm Thick natural anodised ariel type letter GUAR 20	No	20		
	In accordance with "Safety Signs & Equipment" catalogue or similar approved				
97	Ref: F13 sign fixed to wall KITC 1 GAS 1	No	2		
98	Ref: F14 sign fixed to wall KITC 1	No	1		
99	Ref: E3 sign fixed to wall KITC 1	No	1		
100	Ref: PV1 sign fixed to wall GAS 1	No	1		
101	Ref: PV2 sign fixed to wall GAS 1	No	1		
102	Ref: PV3 sign fixed to wall GAS 1	No	1		
103	Ref: PV27 sign fixed to wall GAS 1	No	1		
	PELMETS AND CURTAIN TRACKS				
	In accordance with "Hospi-track" catalogue or similar approved				
104	Ref Code: SK/CFix hospital cubicle curtain tracks 960mm below soffit including 12 gliders per metre, hangers, brackets, stopped ends, etc. plugged CTOP 4 EMER 4 MATE 33 MEDI 35 RADI 7 MMC 4	m	87		
105	Extra over for end bracket plugged MATE 14 MEDI 16 RADI 3	No	33		
106	Extra over for slow bend CTOP 1 EMER 1 MATE 1 MEDI 2 MMC 1	No	6		
107	Extra over for T-intersection with slow bend MATE 4 MEDI 4 RADI 1	No	9		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
108	Ref H/T/BS1900 hospital cubicle curtain, manufactured in a poly-cotton , non-iron, fully washable fabric @ ratio 1:15 to the length of bedscreen rail (Colour as per client's request) CTOP 1 EMER 1 MATE 9 MEDI 10 RADI 2 MMC 1 **Manufactured by Bakenbergs: Tel 082 337 2194 or similar approved**	No	24		
109	Ref: Curzon white powder coated heavy duty single Euro curtain tracks (20 x 15 x 3mm thick) for face fixing with 150mm projection, including double wheel nylon 10 rollers per metre, stops, brackets, etc securely fixed with brackets at 800mm c/c onto wall using rawl bolts at 150mm above soffit of window DENT 25 OUTP 62 PHAR 26 SERV 37 **Manufactured by Bakenbergs: Tel 082 337 2194 or similar approved**	m	150		
110	Ref: Curzon white powder coated heavy duty single Euro curtain tracks (20 x 15 x 3mm thick) for face fixing with 150mm projection, including double wheel nylon 10 rollers per metre, stops, brackets, etc securely fixed with brackets at 800mm c/c onto wall using rawl bolts at 150mm above soffit of window CRIS 11 CTOP 18 EMER 23 MATE 35 MEDI 31 THEA 34 RESA 89 RADI 17 MMC 18 **In accordance with "Hospi-track" catalogue or similar approved**	m	276		
111	Ref H/T/BS1900 hospital cubicle curtain, manufactured in a poly-cotton , non-iron, fully washable fabric @ ratio 1:15 to the length of bedscreen rail (Colour as per client's request) OUTP 14	No	14		
112	Ref Code: SK/S21 hospital cubicle curtain tracks 960mm below soffit including 12 gliders per metre, hangers, brackets, stopped ends, etc. plugged OUTP 50	m	50		
113	Extra over for end bracket plugged OUTP 28	No	28		
114	Extra over for slow bend OUTP 16	No	16		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Window Curtains and tracks				
	The design and colour of the fabric is to be selected by the Employer and sample to be provided before approval of order.				
	Curtain Tracks (Type Inspire or similar approved)				
115	Supply and install heavy-duty, powder-coated aluminium curtain tracks, cord-drawn, complete with all brackets, gliders, and end stops, fixed to concrete/masonry or timber ceiling. Length: 1,16m.	No	11		
	CRIS 1 CTOP 2 THEA 2 MMC 2 KITC 4				
116	Supply and install heavy-duty, powder-coated aluminium curtain tracks, cord-drawn, complete with all brackets, gliders, and end stops, fixed to concrete/masonry or timber ceiling. Length: 1,46m.	No	25		
	CRIS 2 CTOP 4 DENT 1 EMER 4 MATE 5 THEA 1 PHAR 1 RADI 1 MMC 6				
117	Supply and install heavy-duty, powder-coated aluminium curtain tracks, cord-drawn, complete with all brackets, gliders, and end stops, fixed to concrete/masonry or timber ceiling. Length: 1,76m.	No	7		
	RECE 6 SERV 1				
118	Supply and install heavy-duty, powder-coated aluminium curtain tracks, cord-drawn, complete with all brackets, gliders, and end stops, fixed to concrete/masonry or timber ceiling. Length: 2,06m.	No	31		
	EMER 8 MEDI 7 OUTP 16				
119	Supply and install heavy-duty, powder-coated aluminium curtain tracks, cord-drawn, complete with all brackets, gliders, and end stops, fixed to concrete/masonry or timber ceiling. Length: 2,72m.	No	1		
	SERV 1				
120	Supply and install heavy-duty, powder-coated aluminium curtain tracks, cord-drawn, complete with all brackets, gliders, and end stops, fixed to concrete/masonry or timber ceiling. Length: 4,02m.	No	1		
	DENT 1				
	Anti-Microbial Fire Resistant Curtain Fabric				
121	Supply and make up 40% Polyester and 60% Cotton ready-made or custom curtains (Pencil Pleat fold), including lining, weighted hems, and standard fullness (2,5 x). Size 1,16m width x 0,88m drop.	m²	4		
	CTOP 2 MMC 2				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
122	Supply and make up 40% Polyester and 60% Cotton ready-made or custom curtains (Pencil Pleat fold), including lining, weighted hems, and standard fullness (2,5 x). Size 1,16m width x 1,18m drop. KITC 1	m²	1		
123	Supply and make up 40% Polyester and 60% Cotton ready-made or custom curtains (Pencil Pleat fold), including lining, weighted hems, and standard fullness (2,5 x). Size 1,16m width x 1,48m drop. KITC 3	m²	3		
124	Supply and make up 40% Polyester and 60% Cotton ready-made or custom curtains (Pencil Pleat fold), including lining, weighted hems, and standard fullness (2,5 x). Size 1,16m width x 1,78m drop. CRIS 2 THEA 4	m²	6		
125	Supply and make up 40% Polyester and 60% Cotton ready-made or custom curtains (Pencil Pleat fold), including lining, weighted hems, and standard fullness (2,5 x). Size 1,16m width x 2,14m drop. KITC 2	m²	2		
126	Supply and make up 40% Polyester and 60% Cotton ready-made or custom curtains (Pencil Pleat fold), including lining, weighted hems, and standard fullness (2,5 x). Size 1,46m width x 0,88m drop. CTOP 4 MMC 4	m²	8		
127	Supply and make up 40% Polyester and 60% Cotton ready-made or custom curtains (Pencil Pleat fold), including lining, weighted hems, and standard fullness (2,5 x). Size 1,46m width x 1,48m drop. DENT 2 MATE 9	m²	11		
128	Supply and make up 40% Polyester and 60% Cotton ready-made or custom curtains (Pencil Pleat fold), including lining, weighted hems, and standard fullness (2,5 x). Size 1,46m width x 1,78m drop. CRIS 5 CTOP 8 EMER 10 MATE 3 THEA 3 PHAR 3 RADI 3 MMC 8	m²	43		
129	Supply and make up 40% Polyester and 60% Cotton ready-made or custom curtains (Pencil Pleat fold), including lining, weighted hems, and standard fullness (2,5 x). Size 1,76m width x 1,48m drop. RECE 13	m²	13		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
130	Supply and make up 40% Polyester and 60% Cotton ready-made or custom curtains (Pencil Pleat fold), including lining, weighted hems, and standard fullness (2,5 x). Size 1,76m width x 1,78m drop. SERV 3	m²	3		
131	Supply and make up 40% Polyester and 60% Cotton ready-made or custom curtains (Pencil Pleat fold), including lining, weighted hems, and standard fullness (2,5 x). Size 1,76m width x 2,24m drop. RECE 4	m²	4		
132	Supply and make up 40% Polyester and 60% Cotton ready-made or custom curtains (Pencil Pleat fold), including lining, weighted hems, and standard fullness (2,5 x). Size 2,06m width x 1,48m drop. EMER 9	m²	9		
133	Supply and make up 40% Polyester and 60% Cotton ready-made or custom curtains (Pencil Pleat fold), including lining, weighted hems, and standard fullness (2,5 x). Size 2,06m width x 1,78m drop. MATE 18 MEDI 26 OUTP 59	m²	103		
134	Supply and make up 40% Polyester and 60% Cotton ready-made or custom curtains (Pencil Pleat fold), including lining, weighted hems, and standard fullness (2,5 x). Size 2,72m width x 1,48m drop. SERV 4	m²	4		
135	Supply and make up 40% Polyester and 60% Cotton ready-made or custom curtains (Pencil Pleat fold), including lining, weighted hems, and standard fullness (2,5 x). Size 4,02m width x 2,28m drop. DENT 9	m²	9		
	Tie-backs				
136	Supply and install matching tie-backs, complete with hooks fixed to wall. CRIS 3 CTOP 8 DENT 2 EMER 12 RECE 6 MATE 5 MEDI 7 THEA 3 OUTP 16 PHAR 1 SERV 2 RADI 1 MMC 8 KITC 4	Pairs	78		
	SUNDRIES				
	In accordance with "RS Componets South Africa" catalogue or similar approved				
137	60mm Diameter PVC desk grommet cable outlet and including mortice in timber MATE 1 THEA 1 OUTP 1 RADI 1	No	4		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	In accordance with "Union" catalogue or similar approved				
138	Ref 87001SS door stop, plugged EMER 10 RECE 2 MATE 2 MEDI 4 THEA 24 OUTP 5 RESA 7 RADI 2 KITC 12 FIRE 3 RESB 27	No	98		
139	Ref 9002AS door stop, plugged SERV 7 RESA 20	No	27		
140	Ref AL8722AS anodised aluminium hat and coat hook with rubber buffer MEDI 1 SERV 2 KITC 1 RESB 18	No	22		
141	Ref AL8102AS Multirack two hat and coat hook KITC 1	No	1		
	In accordance with "Buchel" catalogue or similar approved				
142	Double hat and coat hook, Chrome KITC 2	No	2		
	Key cabinets manufactured by AAA LOCKSMITHS or similar approved				
143	300 x 220 x 60mm deep, fixed to recessed brickwork CRIS 1 CTOP 1 DENT 1 EMER 1 RECE 2 MATE 1 MEDI 1 THEA 1 PHAR 1 RADI 1 MMC 1	No	12		
	Rubber door mats				
	Door mats manufactured by MATCO DM ALUMINIUM SLIMLINE or similar approved				
144	1,500 x 600 x 12mm Ref 9006 door mat laid loose in mat surround KITC 2	No	2		
145	2,120 x 600 x 12mm Ref 9006 door mat laid loose in mat surround MATE 1	No	1		
146	2,150 x 600 x 12mm Ref 9006 door mat laid loose in mat surround MEDI 1	No	1		
147	2,450 x 600 x 12mm Ref 9006 door mat laid loose in mat surround CRIS 1 CTOP 1 DENT 1 EMER 2 MATE 1 MEDI 1 THEA 1 OUTP 1 PHAR 1 RADI 1 MMC 1	No	12		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
148	1,600 x 600 x 12mm Ref 9006 door mat laid loose in mat surround RECE 3 OUTP 2	No	5		
	BATHROOM FITTINGS				
	In accordance with "Kimberley-Clark" catalogue or similar approved				
149	32mm Diameter stainless steel curtain or hanging rail 1,120mm long including flanged end brackets fixed to drywall partition RADI 4	No	4		
150	Ref 359800 Soap dispenser, plugged THEA 2 OUTP 2 RADI 1 KITC 1	No	6		
151	Ref 359700 Paper towel dispenser, plugged THEA 2 OUTP 2 RADI 1 KITC 1	No	6		
152	Ref 359825 Perforated waste container, plugged THEA 2 OUTP 2 RADI 1 KITC 1	No	6		
153	Ref 359716 Double toilet roll holder, plugged KITC 1 RESB 8	No	9		
	In accordance with "Franke" catalogue or similar approved				
154	Ref RODX619 Soap dispenser, plugged KITC 3	No	3		
155	Ref STRX672 Toilet roll holder, plugged KITC 1	No	1		
156	Ref BHM13P 359941 Toilet roll holder, plugged RESB 9	No	9		
157	Ref STRX600 Paper towel dispenser, plugged KITC 1	No	1		
158	Ref STRX605 Waste bin, plugged KITC 3	No	3		
159	Ref BHM6P 359944 Double arm soap rack, 163 x 100mm, plugged RESB 6	No	6		
160	Ref MEDX001HP 19mm Diameter single towel rail, 600 x 85 x 54mm, plugged RESB 8	No	8		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	In accordance with "Chairman" catalogue or similar approved				
161	Ref DL2 32mm SS side grab rail, plugged RESB 2	No	2		
162	Ref SR2 32mm SS cistern grab rail, plugged RESB 1	No	1		
	SHELVES, ETC.				
	Steel shelving with standard baked enamel finish				
163	Fix firmly into position existing shelving units 918 x 457 x 2,209mm high in one bay DENT 3 EMER 4 MEDI 8 PHAR 3 RADI 1	No	19		
164	Fix firmly into position existing shelving units 1,836 x 457 x 2,209mm high in two bays, each bay 918mm wide with 918 x 457mm shelves bolted together THEA 1 RADI 1	No	2		
165	Fix firmly into position existing shelving units 2,754 x 457 x 2,209mm high in three bays, each bay 918mm wide with 918 x 457mm shelves bolted together CTOP 3 THEA 1 MMC 3	No	7		
166	Ref SZB 7305 double slot wall band 2,209mm long, plugged RECE 2	No	2		
167	Ref SZB 7305 shelf bracket for 305mm shelf RECE 12	No	12		
168	918 x 305mm Ref SBZ 7305 shelf RECE 6	No	6		
	"Gondola" or similar approved proprietary type steel shelving with standard powder coated finish				
169	Single slot wall band 1,830mm long, plugged PHAR 10	No	10		
170	Double slot wall band 1,830mm long, plugged PHAR 22	No	22		
171	Shelf bracket for 229mm shelf PHAR 156	No	156		
172	Shelf bracket for 457mm shelf PHAR 168	No	168		
173	914 x 229mm Shelf PHAR 78	No	78		
174	914 x 457mm Shelf PHAR 84	No	84		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	"Gondola" or similar approved proprietary type steel shelving with 304 polished stainless steel finish				
175	Single shelving unit 920 x 457 x 1,800m high in one bay with heavy duty uprights, each bay 920mm wide with 5 tiers 920 x 457mm shelves	No	5		
	THEA 5				
	"Vulcan Type A" or similar approved open econo storage SS 430 shelving units, including heavy duty uprights code: 3043721, shelves code : 3043718, including shelf corner gussets code: 3043723				
176	Single shelving unit 1 120 x 380 x 1,750m high in one bay with heavy duty uprights, each bay 1 120mm wide with 5 tiers 1 120 x 380mm shelves	No	2		
	KITC 2				
	"Krost shelving" type B or similar approved open braced bolted steel shelving units with standard powder coated finish, including heavy duty uprights, shelves, braces, bolts, nuts and gusset plate to shelves fixed to wall with M8 rawl bolts				
177	Single shelving unit 918 x 457 x 1,905m high in one bay with heavy duty uprights, each bay 914mm wide with 6 tiers 914 x 457mm shelves	No	8		
	PHAR 2 KITC 6				
	"Krost shelving" code: SZA 8457 or similar approved closed steel shelving units with standard powder coated finish, including heavy duty uprights, open base foot pieces, shelf brackets, shelves, spacers, top rails, top finishing plates and adjustable book clips				
178	Single shelving unit 918 x 457 x 2,209m high in one bay with heavy duty uprights, each bay 914mm wide with 7 tiers 914 x 457mm shelves	No	36		
	CTOP 2 RECE 13 MATE 3 THEA 6 OUTP 9 RADI 3				
179	Single shelving unit 1,200 x 500 x 2,200m high in one bay with heavy duty uprights, each bay 1,200mm wide with 5 tiers 1,200 x 500mm shelves	No	39		
	PHAR 36 SERV 3				
180	Single shelving unit 1,836 x 457 x 2,209m high in two bays with heavy duty uprights, each bay 914mm wide with 5 tiers 914 x 457mm shelves	No	2		
	THEA 2				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
181	Single shelving unit 2,754 x 457 x 2,209m high in three bays with heavy duty uprights, each bay 914mm wide with 5 tiers 914 x 457mm shelves THEA 1	No	1		
182	Single shelving unit 3,672 x 457 x 2,209m high in four bays with heavy duty uprights, each bay 914mm wide with 5 tiers 914 x 457mm shelves THEA 1	No	1		
	"Krost shelving" code: SZA 8305 or similar approved closed steel shelving units with standard powder coated finish, including heavy duty uprights, open base foot pieces, shelf brackets, shelves, spacers, top rails, top finishing plates and adjustable book clips				
183	Single shelving unit 918 x 305 x 2,209m high in one bay with heavy duty uprights, each bay 914mm wide with 7 tiers 914 x 457mm shelves CTOP 1 DENT 2 EMER 4 MATE 4 OUTP 3 MMC 3	No	17		
184	Single shelving unit 914 x 229 x 2,134m high in one bay with heavy duty uprights, each bay 914mm wide with 7 tiers 914 x 229mm shelves OUTP 2 PHAR 13	No	15		
185	Single shelving unit 1,836 x 305 x 2,209m high in two bays with heavy duty uprights, each bay 914mm wide with 7 tiers 914 x 457mm shelves MATE 1	No	1		
	"Getinge shelving" or similar approved wire shelving units with standard powder coated finish, including heavy duty uprights, open base foot pieces, shelf brackets, shelves, spacers, top rails, top finishing plates and adjustable book clips				
186	Single shelving unit 915 x 455 x 1,895m high in one bay with heavy duty uprights, each bay 915mm wide with 4 tiers 915 x 455mm shelves. THEA 6 SERV 6	No	12		
	Type: Binga or similar approved steel filling units with standard powder coated finish, including heavy duty uprights, open base foot pieces, shelf brackets, shelves, spacers, top rails, top finishing plates and adjustable book clips				
187	High density mobile filling system 2,0 x 1,0 x 2,276m high in 5 bays with structured uprights, each bay 400mm wide with 400 x 366mm shelves all in accordance with architect's drawing no. W411 RECE 1	No	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
188	High density mobile filling system 2,4 x 1,0 x 2,316m high in 6 bays with structured uprights, each bay 400mm wide with 400 x 366mm shelves all in accordance with architect's drawing no. W411	No	2		
	RECE 2				
	"Krost shelving" or similar approved open fully adjustable type steel racking units with standard powder coated finish, including heavy duty uprights, open base foot pieces, shelf brackets, shelves, spacers, top rails, top finishing plates and adjustable book clips				
189	Racking unit 900 x 600 x 2,000m high in one bay with anlgle uprights, each bay 1,800mm wide with 4 tier 1,800 x 600mm shelves	No	1		
	SERV 1				
190	Racking unit 1,800 x 600 x 2,000m high in one bay with anlgle uprights, each bay 1,800mm wide with 4 tier 1,800 x 600mm shelves	No	2		
	SERV 2				
	Fixing firmly in position				
191	Fix firmly into position existing shelving units 918 x 457 x 2,209mm high in one bays with 918 x 457mm shelves	No	1		
	RECE 1				
192	Fix firmly into position existing shelving units 1,200 x 500 x 2,200mm high in one bays with 1,200 x 500mm shelves	No	1		
	SERV 1				
193	Fix firmly into position existing shelving units 1,836 x 381 x 2,209mm high in two bays, each bay 914mm wide with 918 x 381mm shelves bolted together	No	1		
	OUTP 1				
194	Fix firmly into position existing shelving units 1,836 x 457 x 2,134mm high in two bays, each bay 915mm wide with 915 x 457mm shelves bolted together	No	2		
	SERV 2				
195	Fix firmly into position existing shelving units 2,754 x 381 x 2,209mm high in three bays, each bay 914mm wide with 918 x 381mm shelves bolted together	No	6		
	OUTP 2 SERV 4				
196	Fix firmly into position existing shelving units 2,754 x 457 x 2,134mm high in three bays, each bay 915mm wide with 915 x 457mm shelves bolted together	No	2		
	SERV 2				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
197	Fix firmly into position existing shelving units 1,903 x 305 x 2,209mm high in two bays, each bay 918mm wide with 918 x 305mm shelves bolted together RECE 2 OUTP 2	No	4		
	STEEL LOCKERS				
	"A & E Furnisher" or similar approved steel lockers with standard baked enamel finish				
198	Bank of 3 Ref EL02 lockers each 300 x 450 x 1,800mm high, bolted together RECE 1 THEA 1 KITC 1	No	3		
199	Bank of 4 Ref EL02 lockers each 300 x 450 x 1,800mm high, bolted together MATE 1 THEA 1	No	2		
200	Bank of 5 Ref EL02 lockers each 300 x 450 x 1,800mm high, bolted together CTOP 1 THEA 1 RADI 1 MMC 1	No	4		
201	Bank of 6 Ref EL02 lockers each 300 x 450 x 1,800mm high, bolted together MEDI 1	No	1		
	STEEL LETTERBOX UNITS				
	"Savy Design" stainless steel letterbox units or similar approved				
202	Bank of 10 letterboxes each 230 x 100 x 350mm deep, with laser-cut box numbers on doors complete with two keys including building into brickwork. RESA 1	No	1		
	PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC.				
	In accordance with "Forbo" catalogue or similar approved				
203	Ref 2203 pinning board 1,200 x 1,200mm high, plugged DENT 4 RECE 2	No	6		
	In accordance with "Mirrodex" catalogue or similar approved				
204	Vitreous enamel white writing board 750 x 1,000mm high with chalk rail, plugged THEA 1	No	1		
	Carried to Collection			**R**	

BILL NO. 11

IRONMONGERY

COLLECTION

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		Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 12

STRUCTURAL STEELWORK

(CPAP WORK GROUP NO. 134 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

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

GALVANISED STEEL COLUMNS AND BEAMS

Welded columns in single lengths with flat base, cap, bearer and connection plates, bolted to concrete

1	254 x 146mm x 31kg/m H-section columns	Tonnes	0.34		
	THEA 0.34				
	Carried to Collection			R	

		Unit	Quantity	Rate	Amount
	Welded beam in single lengths with flat base, cap, bearer and connection plates, bolted to concrete				
2	152 x 89mm x 16kg/m I-section beams KITC 0.32	Tonnes	0.32		
3	254 x 146mm x 31kg/m I-section beams RADI 0.32	Tonnes	0.32		
4	IPE 100 x 55mm x 8,1kg/m I-section beams INVE 0.02	Tonnes	0.02		
5	IPE 120 x 64mm x 10,4kg/m I-section beams INVE 0.31	Tonnes	0.31		
6	IPE 180 x 91mm x 19kg/m I-section beams RADI 0.19	Tonnes	0.19		
7	PFC 120 x 55mm x 12,5kg/m channel-section beams INVE 0.19	Tonnes	0.19		
8	Rectangular hollow-section rafters, 100 x 50 x 4mm GAS 0.17	Tonnes	0.17		
9	Rectangular hollow-section rafters, 75 x 50 x 4mm RESB 0.21	Tonnes	0.21		
	Extend existing welded beams with flat bearer and connection plates, bolted to steel, including proping up in position as shown on Engineer's drawing no. A1 11004NW/ST/300/1502 A				
10	305 x 165mm x 41kg/m I-section beams THEA 0.21	Tonnes	0.21		
	GALVANISED STEEL PURLINS, GIRTS, BRACING, ETC				
	Purlins and girts, bolted to steel				
11	75 x 50 x 20 x 3mm Thick cold-formed lipped channel gutter KITC 0.09 INVE 0.25	Tonnes	0.34		
12	100 x 75 x 20 x 3mm Thick cold-formed lipped channel gutter (refer to engineer's drawing no. 11004NW/ST/300/601) RECE 0.02	Tonnes	0.02		
13	100 x 75 x 20 x 3mm Thick cold-formed lipped channel purlins circular on plan to 12,710mm radius (refer to engineer's drawing no. 11004NW/ST/300/601) RECE 0.04	Tonnes	0.04		
14	100 x 130 x 20 x 2mm Thick cold-formed lipped channel purlins GAS 0.19	Tonnes	0.19		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
15	Channel purlins (refer to engineer's drawing no. 11004NW/ST/300/601)	Tonnes	0.19		
	RECE 0.19				
16	Channel purlins circular on plan to 13,000mm radius (refer to engineer's drawing no. 11004NW/ST/300/601)	Tonnes	0.15		
	RECE 0.15				
	Welded bracing, anti-sag rails, etc with flat connection plates, bolted to steel				
17	Angle bracing	Tonnes	0.06		
	INVE 0.06				
18	Angle anti-sag rails	Tonnes	0.02		
	INVE 0.02				
19	Round hollow section bracing 31,8mm diameter x 3mm (refer to engineer's drawing no. 11004NW/ST/300/601)	Kg	3.18		
	RECE 3.18				
20	Round hollow section spout 60mm diameter x 4mm (refer to engineer's drawing no. 11004NW/ST/300/601)	Kg	4.58		
	RECE 4.58				
21	Rectangular hollow section bracing 40 x 20 x 3mm (refer to engineer's drawing no. 11004NW/ST/300/601)	Kg	52.21		
	RECE 52.21				
	GALVANISED STEEL GUTTERS AND RAINWATER PIPES				
	3mm Welded plate gutters				
22	Box gutters 250mm girth, two times bent along length including necessary collared and sealed expansion joints (bearers elsewhere)	Tonnes	0.01		
	KITC 0.01				
	1mm Welded plate rainwater pipes, including holderbats, brackets, etc				
23	100mm Internal diameter pipes	Tonnes	0.01		
	KITC 0.01				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	GALVANISED STEEL HAILGUARDS				
	2mm Thick galvanised steel expanded metal sheet type Mentex 349/VEM632OD with Apertures 25 x 50mm and strand width 3mm edges to be curved and banded on all sides in accordance with architect's drawing no. W402				
24	Modify existing hailguards to fit existing gutter approximately 250mm wide and in suitable lengths with 20 x 20 x 2mm angle framing welded at angles, laid loose over box gutters	m	70		
	CRIS 10 CTOP 10 EMER 10 MATE 10 THEA 10 RADI 10 MMC 10				
25	Hailguards to fit existing gutter approximately 250mm wide and in suitable lengths with 20 x 20 x 2mm angle framing welded at angles, laid loose over box gutters	m	10		
	MEDI 10				
	2mm Thick galvanised steel expanded metal sheet type Mentex 349/VEM632OD with Apertures 25 x 50mm and strand width 3mm edges to be curved and banded on all sides in accordance with architect's drawings				
26	Modify existing hailguards to fit existing gutter approximately 250mm wide and in suitable lengths with 20 x 20 x 2mm angle framing welded at angles, laid loose over box gutters	m	26		
	RECE 4 OUTP 12 SERV 10				
	GALVANISED STEEL FLOORS, STAIRS, ETC				
	Mentis type D60 floor grating with 40 x 4,5mm bearer bars, fixed to steel with standard fixing clips				
27	Floor grating of banded panels in 400mm widths and suitable lengths	m²	7		
	GSG 7				
	BOLTS, FASTENERS, ETC				
	Bolts				
28	High tensile bolts (class 8.8)	Kg	25.48		
	THEA 7.08 RADI 5.66 KITC 12.74				
29	High strength friction grip bolts (class 10.9S)	Kg	28.61		
	RECE 28.61				
	Anchors				
30	16mm Diameter threaded anchor bolt 375mm long welded to 60 x 60 x 10mm plate washer embedded in top of concrete	No	4		
	THEA 4				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
31	Anchor assembly consisting of four 16mm diameter L-shaped threaded anchor bolts each 375mm girth, welded to 160 x 160 x 10mm base plate together with 50 x 50 x 4mm angle, total length of angle 150mm embedded in top of concrete	No	6		
	INVE 6				
32	20mm Diameter threaded anchor bolt 440mm long embedded in top of concrete	No	20		
	THEA 4 RADI 16				
33	20mm Diameter threaded anchor bolt 220mm long embedded in top of brickwork	No	40		
	GAS 40				
	PAINTING				
	Touch-up primer, one coat undercoat to 100-125 micron dry film thickness and one finishing coat to 50-70 micron dry film thickness				
34	On galvanised steel columns, beams, etc.	m²	260		
	RECE 29 SERV 120 GUAR 57 WAST 7 KITC 30 GAS 17				
	Carried to Collection			R	

BILL NO. 12

STRUCTURAL STEELWORK

COLLECTION

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	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 13

METALWORK

(CPAP WORK GROUP NO. 136 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

Descriptions of bolts, anchors, etc.

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

Items described as 'holed for bolt(s)' shall be deemed to exclude the bolts unless otherwise described

Items described as 'plugged' shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	Aluminium doors, windows, etc.				
	Doors and windows shall comply with AAAMSA design criteria Glazing shall comply with SAGGA regulations. Glass shall be type 6,38mm laminated performance glass as shown on the window schedules/drawings appended to these bills of quantities. Glass thickness shall comply with SAGGA regulations irrespective of thicknesses shown on the schedules/drawings Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed For purpose made windows and doors, refer to drawings annexed to these bills of quantities				
	The following certificates shall be provided prior to commencement of site work: 1 A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product 2 A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively				
	3 A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process 4 A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked 5 A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years				
	GALVANISED STEEL GATES, SCREENS, ETC				
	Welded screens and gates				
1	Burglar proofing to window, size 570 x 570mm high, (refer to architects drawing no. W402)	No	4		
	RESB 4				
2	Burglar proofing to window, size 600 x 1,200mm high, (refer to architects drawing no. W501)	No	6		
	KITC 6				
3	Burglar proofing to window, size 870 x 570mm high, (refer to architects drawing no. W402)	No	1		
	RESB 1				
4	Burglar proofing to window, size 900 x 600mm high, (refer to architects drawing no. W501)	No	2		
	FIRE 2				
	Carried to Collection			**R**	

Section No. 2
Bill No. 13
Metalwork

		Unit	Quantity	Rate	Amount
5	Burglar proofing to window, size 900 x 1,200mm high, (refer to architects drawing no. W501) KITC 5	No	5		
6	Burglar proofing to window, size 900 x 1,200mm high, (refer to architects drawing no. W401) RESB 1	No	1		
7	Burglar proofing to window, size 900 x 1,500mm high, (refer to architects drawing no. W501) KITC 1	No	1		
8	Burglar proofing to window, size 900 x 1,800mm high, (refer to architects drawing no. W402) RESB 6	No	6		
9	Burglar proofing to window, size 900 x 1,850mm high, (refer to architects drawing no. W501) KITC 1	No	1		
10	Burglar proofing to window, size 1,170 x 570mm high, (refer to architects drawing no. W402) RESB 9	No	9		
11	Burglar proofing to window, size 1,200 x 600mm high, (refer to architects drawing no. W501) KITC 1	No	1		
12	Burglar proofing to window, size 1,200 x 600mm high, (refer to architects drawing no. W101) GENB 1	No	1		
13	Burglar proofing to window, size 1,470 x 1,200mm high, (refer to architects drawing no. W402) RESB 4	No	4		
14	Burglar proofing to window, size 1,500 x 900mm high, (refer to architects drawing no. W501) FIRE 1	No	1		
15	Burglar proofing to window, size 1,800 x 1,500mm high, (refer to architects drawing no. W402) RESB 2	No	2		
16	Burglar proofing to window, size 1,800 x 1,800mm high, (refer to architects drawing no. W402) RESB 2	No	2		
17	Burglar proofing to window, size 3,600 x 1,500mm high, (refer to architects drawing no. W501) KITC 1	No	1		
18	Shade screen to window, size 5,500 x 1,500mm high, (refer to architects drawing no. W501) KITC 1	No	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
19	Security screen 10,620 x 2,640mm high, formed of 16mm diameter solid vertical bars at 116mm centres, girth 2,627mm welded to 60 x 30 x 3mm rectangular hollow section top, middle and bottom rails with 30 no. 70 x 60 x 4mm angle brackets bolted to 9No. 101mm dia x 4,5mm hollow section post with, 150 x 150 x 10mm flat section GS base plate bolted to concrete, complete with 6no. 100 x 60 x 5mm brackets bolted to wall including expansion bolts (refer to architect's drawing no. W103)	No	1		
	INVE 1				
20	Gas cylinder fixed side panel to double gate (elsewhere) 1,027 x 2,190mm high, formed of 44,5 x 31,8 x 3mm rectangular hollow section and 50 x 5mm flat section frame with 50 x 10mm flats bolted to wall and steel post, 40 x 100mm GS fusion welded grating grid (refer to architect's drawing no. W401)	No	2		
	GAS 2				
21	Gas cylinder cage 1,200 x 645 x 1,800mm high, formed of 30 x 30 x 3mm angle section and 50 x 30 x 3mm rectangular hollow section frame with 50 x 10mm flats bolted to wall, Mentex 38/VEM 484 expanded metal double gate, fitted with three of 15mm diameter S.S. bullet hinges welded to 50 x 30 x 3mm rectangular hollow section frame, including 30 x 50 x 3mm mm hollow section post with 100 x 100 x 10mm flat bolted to brickwork, complete with expansion bolts, a pair of ears for padlock (elsewhere) and 150mm drop bolt welded on with keep in concrete (refer to architect's drawing no. W410)	No	1		
	KITC 1				
22	Gas cylinder gate 1,800 x 2,020mm high, formed of 30 x 30 x 3mm angle section and 50 x 30 x 3mm rectangular hollow section frame with 50 x 10mm flats bolted to wall, Mentex 38/VEM 484 expanded metal double gate, fitted with three of 15mm diameter S.S. bullet hinges welded to 50 x 30 x 3mm rectangular hollow section frame, including 30 x 50 x 3mm mm hollow section post with 100 x 100 x 10mm flat bolted to brickwork, complete with expansion bolts, a pair of ears for padlock (elsewhere) and 150mm drop bolt welded on with keep in concrete (refer to architect's drawing no. W401)	No	2		
	KITC 2				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
23	Gas cylinder gate 1,800 x 2,190mm high, formed of 44,5 x 31,8 x 3mm rectangular hollow section and 50 x 5mm flat section frame with 50 x 10mm flats bolted to wall, 40 x 100mm GS fusion welded grating grid double gate, fitted with three of 15mm diameter S.S. bullet hinges welded to 44,5 x 31,8 x 3mm flat section frame, including 100 x 50 x 3mm hollow section post with 100 x 50 x 10mm flat bolted to brickwork, complete with expansion bolts, solenoid lock (elsewhere) and 150mm drop bolt welded on with keep in concrete (refer to architect's drawing no. W401)	No	2		
	GAS 2				
24	Plumbing screen type A, 2,500 x 700 x 250mm deep, formed of 40 x 40 x 5mm angle section and 50 x 50 x 5mm angle section frame with 30 x 5mm flats bolted to wall, 810 x 290 x 12mm Fibre-cement coverings (refer to architect's drawing no. W408)	No	2		
	RECE 2				
25	Plumbing screen type B, 3,75 x 700 x 250mm deep, formed of 40 x 40 x 5mm angle section and 50 x 50 x 5mm angle section frame with 30 x 5mm flats bolted to wall, 810 x 290 x 12mm Fibre-cement coverings (refer to architect's drawing no. W408)	No	1		
	RECE 1				
26	Single gate 850 x 2,014mm high of 30 x 20 x 3mm hollow section frame and horizontal middle rails, filled in with 2no. 30 x 20 x 3mm hollow section vertical bars, and 10no. 12mm diameter solid section horizontal bars at 112mm centres, 17 No 110mm x 30 x 3mm solid section rings, and fitted with three 100 x 75 x 3mm Brass butt hinges welded to Mild steel support plate anchored into brickwork, including double cylinder lockset in accordance with architect's drawing no. W402	No	7		
	RESA 7				
27	Single gate 850 x 2,014mm high of 60 x 40 x 3mm hollow section frame and 2no. horizontal middle rails, filled in with 7no. 16mm dia. solid section vertical bars at 104mm centres, girth 2,627mm and fitted with three 15mm dia. bullet hinges welded to 40 x 40 x 3mm GS hollow section styles weled to post, including single cylinder lockset in accordance with architect's drawing no. W103	No	1		
	INVE 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
28	Single gate 858 x 2,055mm high of 30 x 20 x 3mm hollow section frame and horizontal middle rails, filled in with 2no. 30 x 20 x 3mm hollow section vertical bars, and 10no. 12mm diameter solid section horizontal bars at 112mm centres, 17 No 110mm x 30 x 3mm solid section rings, and fitted with three 100 x 75 x 3mm Brass butt hinges welded to Mild steel support plate anchored into brickwork, including double cylinder lockset in accordance with architect's drawing no. W402	No	6		
	RESB 6				
29	Single gate 962 x 2,055mm high of 30 x 20 x 3mm hollow section frame and horizontal middle rails, filled in with 2no. 30 x 20 x 3mm hollow section vertical bars, and 10no. 12mm diameter solid section horizontal bars at 112mm centres, 17 No 110mm x 30 x 3mm solid section rings, and fitted with three 100 x 75 x 3mm Brass butt hinges welded to Mild steel support plate anchored into brickwork, including double cylinder lockset in accordance with architect's drawing no. W402	No	14		
	RESA 7 RESB 7				
30	Single gate 1,050 x 2,427mm high of 60 x 30 x 3mm hollow section frame and 2no. 30 x 8mm solid section horizontal middle rails, filled in with 1no. 30 x 8mm solid section vertical bar, 15no. 12mm diameter solid section horizontal bars at 122mm centres, 40 x 20mm solid section diagonal bars set at 45 degrees, and fitted with three 15mm SS bullet hinges welded to 40 x 20 x 3mm outer frame and complete with 100 x 30 x 3mm stop plate, 25mm diameter solid handle, including double cylinder lockset	No	4		
	PHAR 1 KITC 2 FIRE 1				
31	Double gate 1,320 x 3,040mm high, formed of 44,5 x 19,3,8 x 3mm rectangular hollow section and 44,5 x 19,1 x 3mm rectangular hollow section frame with 40 x 10mm flats bolted to wall, 40 x 100mm GS fusion welded grating grid double gate with un equal leafs, fitted with three of 15mm diameter S.S. bullet hinges welded to 44,5 x 19,1 x 3mm hollow section frame, bolted to brickwork, complete with expansion bolts, solenoid lock (elsewhere) and 150mm drop bolt welded on with keep in concrete (refer to architect's drawing no. W410)	No	2		
	KITC 2				
	Carried to Collection			**R**	

Section No. 2
Bill No. 13
Metalwork

		Unit	Quantity	Rate	Amount
32	Double gate 2,300 x 2,196mm high, each leaf of 60 x 40 x 2mm hollow section frame, filled in with M.S. gripweld fusion welded with continuous flat backing code: D60 fitted with three of 15mm diameter S.S. bullet hinges welded to 40 x 20 x 2mm hollow section outer frame bolted to wall, and including expansion bolts, and a pair of 30mm diameter G.S. tube with 100 x 8mm flat bolted to concrete concrete complete with 80 x 80 x 6mm angles bolted to concrete (refer to architect's drawing no. W501)	No	1		
	FIRE 1				
33	Electrically operated vehicle boom gate for 3,110mm wide lane, including electrical connection and commissioning (electrical isolator elsewhere) complete as shown on architect's drawing no. S108	No	2		
	GUAR 2				
34	Fix firmly into position loose/shaking burglar bar overall size 1,500 x 1,500mm high	No	1		
	SERV 1				
	SUNDRY GALVANISED STEELWORK				
	Bolts,etc				
35	12mm Chemical anchor with loose bolt	No	36		
	RESB 36				
	Welded frames to vanity top etc.				
36	38 x 19 x 1,6mm Rectangular hollow section bearers bolted to wall	Kg	70		
	RECE 9 OUTP 5 SERV 51 RADI 5				
37	40 x 40 x 3mm Angle section bearers bolted to wall	Kg	582		
	CTOP 12 DENT 9 EMER 31 RECE 65 MATE 68 MEDI 23 THEA 26 OUTP 38 RESA 149 RADI 134 MMC 12 GSG 5 KITC 10				
38	3mm Thick "Aarelor Mittal" or similar Vastrap floor plate with 60mm hole as a handle, size 647 x 770mm laid loose on angle section bearers (elsewhere)l	No	1		
	GSG 1				
	Welded frames to work bench				
39	70 x 70 x 6mm Angle section frame weled to 150 x 150 x 6m flat sections bolted to floor complete as per architects drawing no. W407 (Meranti worktop elsewhere)	Kg	396		
	SERV 198 GAS 198				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Welded frames to soap dispensing shelf				
40	30 x 30 x 3mm Angle section frame filled in with 8mm diameter bars, weled to 50 x 30 x 3m rectangular hollow sections brackets bolted to wall complete as per architects drawing no. W412	Kg	16		
	SERV 16				
	Welded frames to hood support structure				
41	50 x 50 x 3mm Square hollow section frame filled in with 50 x 30 x 3mm square hollow section vertical members bolted to concrete roof complete as per architects drawing no. W406	Kg	226		
	KITC 226				
	Corner protectors				
42	50 x 30 x 6mm Angle section corner protectors in varying lengths welded to 30 x 6mm plate with 16mm diameter bent lugs each 150mm girth welded on at 400mm centres, including embedding in brickwork	Kg	301		
	SERV 55 GSG 28 KITC 91 FIRE 127				
43	50 x 30 x 4mm Angle section corner protectors in varying lengths welded to 30 x 6mm plate with 16mm diameter bent lugs each 150mm girth welded on at 400mm centres, including embedding in concrete	Kg	49		
	GAS 49				
	Welded frames to accoustic insulation panels (refer to architect's drawing no. W101)				
44	50 x 30 x 6mm Angle section frame, including rawbolting to timber rafters	Kg	266		
	GSG 266				
	Welded frames to Canopies				
45	255 x 76 x 6mm Rectangular hollow section bearers	Kg	34		
	RESB 34				
	Welded frames to Solar Geysers (refer to architect's drawing no. W402)				
46	190 x 190mm Flat section bearers	Kg	136		
	RESA 68 KITC 34 RESB 34				
47	100 x 100 x 8mm Angle section bearers	Kg	1 268		
	RESA 634 KITC 317 RESB 317				
48	127 x 76 x 3mm Hollow section frames	m	128		
	RESA 64 KITC 32 RESB 32				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Welded frames to Guardhouse roof sign (refer to architect's drawing no. W404)				
49	150mm Diameter x 5mm thick pipe bearers	m	3		
	GUAR 3				
50	Extra over for flat closed end	No	2		
	GUAR 2				
51	170 x 120 x 5mm Anchor plate four times holed for bolts (eslewhere) and welded on	No	4		
	GUAR 4				
52	250 x 250 x 10mm Base plate four times holed for bolts (elsewere) and welded on	No	2		
	GUAR 2				
53	12mm Diameter "Hilti HAS" expansion bolt including mortice in concrete	No	8		
	GUAR 8				
54	8mm Diameter bolts	No	16		
	GUAR 16				
	Brackets etc. to joinery fittings etc.				
55	300 x 250 x 25 x 4mm Triangular flanges brackets anchored to brick wall as per architect's drawing number W405	No	2		
	THEA 2				
56	400 x 450 x 25 x 4mm Triangular flanges brackets anchored to brick wall as per architect's drawing number W405	No	2		
	THEA 2				
57	350 x 350 x 25 x 10mm Triangular flanges bracket anchored to brick wall as per architect's drawing number W403	No	8		
	RADI 8				
58	180 x 3mm Circular hollow section fascia circular in elevation bolted to channels with steel brackets as per architect's drawing no. W102	Kg	500		
	GUAR 500				
	Welded frames to Solar Geysers				
59	190 x 190mm Flat section bearers	Kg	34		
	SERV 34				
60	100 x 100 x 8mm Angle section bearers	Kg	317		
	SERV 317				
61	127 x 76 x 3mm Hollow section frames	m	32		
	SERV 32				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Gas cylinder storage rails.				
62	48 x 3mm Circular hollow section rails bolted to concre or brickwork as per architect's drawing no. W101 GAS 149	Kg	149		
	Brackets etc. to roof timbers etc.				
63	300 x 191 x 5mm Shoe for end of roof timber of 65 x 300mm flat section as per architect's drawing no 412 RECE 13	No	13		
	The following in gratings to cable ducts				
64	50 x 50 x 5mm L-section framework with 10mm diameter anchors 220mm long, each with one end split and bent and other end welded to framework at 500mm centres and the whole cast into edge of concrete GENB 62	Kg	62		
65	Extra over 50 x 50 x 5mm L-section for mitred and welded L-intersection GENB 4	No	4		
66	25 x 4,5 "Mentis Rectagrid O E S" RS40 or similar gratings 500mm wide, laid loose on steel bearers (elsewhere) GENB 7	m	7		
	The following in brick bearers above entrance				
67	130 x 8 mm Thick galvanised flat section brick bearers with 12 mm diameter mild steel rods, 1 300 mm long welded on at 250 mm centres and other end threaded complete with 100 x 100 x 5 mm thick washers and nuts built into brickwork including hoisting up GENB 21	Kg	21		
	SUNDRY STAINLESS STEELWORK (CPAP WORK GROUP NO. 141)				
	Corner protectors, etc				
68	0.8mm Stainless steel edge protection grade 304 fixed to edge of timber door with countersunk screws and silicon overal size 50 x 44 x 25mm as per architect's drawing No. W409. CTOP 8 EMER 20 MATE 16 MEDI 24 RADI 4 MMC 4	m	76		
69	0.7mm Stainless steel sheeting skirting type SAASA 6WL Satin anchored to circular concrete column to manufacturers specification and details, overal height 217mm as per architect's drawing No. W409. OUTP 2	No	2		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
70	33mm Diameter guardrail to 300mm circular columns, anchored with 4 no. rawl bolts	m	6		
	OUTP 6				
71	Drill 8mm Diameter holes through existing drain tray.	No	12		
	CTOP 2 EMER 2 MATE 2 MEDI 2 OUTP 2 MMC 2				
72	80mm Diameter x 500mm long vent pipe welded on 250 x 250 x 10mm grill cover including hole through one brick wall, anchored with 4 no. rawl bolts	m	4		
	SERV 4				
	The following in Guardhouse roof signage				
73	50 x 3mm Diameter stainless steel frame grade 304 welded to 4 No. anchor plates as per architect's drawing no. W404	m	13		
	GUAR 13				
74	Extra over for mitred L-intersection	No	4		
	GUAR 4				
75	Extra over for T-intersection	No	4		
	GUAR 4				
76	20 x 20 x 1,5mm Square hollow-section tube grade 304 welded to flange as per architect's drawing no. W404	m	11		
	GUAR 11				
77	Extra over for L-intersection	No	4		
	GUAR 4				
78	Extra over for T-intersection	No	8		
	GUAR 8				
79	60 x 40mm Flat section flange grade 304 welded to frame as per architect's drawing no. W404	m	1		
	GUAR 1				
80	150 x 100 x 5mm Anchor plate four times holed for bolts (eslewhere) and welded on	No	4		
	GUAR 4				
	The following in stainless steel hand rails				
81	35 x 3mm Diameter hollow section vertical post 1,2m long with one end welded to top hand rail, middle welded to bottom rail and other end welded to and including 4mm thick x 64mm diameter flange plate twice holed for bolts (elsewhere) as per architect's drawing no. W401	m	12		
	KITC 12				
82	35 x 3mm Diameter hollow section top and bottom rail welded to vertical post (eleswhere) as per architect's drawing no. W401	m	19		
	KITC 19				
	Carried to Collection			**R**	

Section No. 2
Bill No. 13
Metalwork

		Unit	Quantity	Rate	Amount
83	Extra over 35 x 3mm diameter rails for mitred and welded L-intersection KITC 6	No	6		
84	Extra over 35 x 3mm diameter rails for mitred and welded T-intersection KITC 24	No	24		
85	10 mm Diameter x 75 mm long expansion bolt, including mortice in brickwork or concrete KITC 48	No	48		
	The following in stainless bumper rails				
86	35 x 3mm Diameter hollow section bumper rail core as per architect's drawing no. W412 KITC 25	m	25		
87	Extra over 35 x 3mm diameter hollow section bumper rail for bend KITC 2	No	2		
88	End of 35 x 3mm diameter hollow section bumper rail ragged KITC 32	No	32		
89	3 mm x 64 mm Diameter flange plate twice holed for bolts (elsewhere) and welded to side of bumper rail (elsewhere) KITC 48	No	48		
90	10 mm Diameter x 75 mm long expansion bolt, including mortice in brickwork or concrete. KITC 192	No	192		
	Bird spikes				
91	Install 'Bird Proofing and Eviction' or similar approved bird spikes on exposed or protected ledges where birds roost, nest, perch or simply cause a nuisance SERV 9	m	9		
	SUNDRY ALUMINIUM WORK (CPAP WORK GROUP NO. 140)				
	Natural anodised draught protection fitting comprising of aluminium carrier with EPDM wipe seal fixed to bottom edge of door leaf				
92	Home Quip Aluminium Door Seal with Brush Strip - Silver (1000mm) or similar approved	No	75		

CRIS 2	CTOP 2	DENT 2
EMER 4	RECE 10	MATE 5
MEDI 4	THEA 6	OUTP 6
PHAR 14	SERV 7	RESA 7
GUAR 1	RADI 3	MMC 2

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	Natural anodised aluminium corner protectors fixed to brickwork or concrete				
93	25 x 25 x 3mm Angle section cornice circular in elevation, anchored to wall with SS countersunk screws at max 450mm c/c	m	19		
	RECE 19				
94	25 x 25 x 3mm Angle section cornice, anchored to wall with SS countersunk screws at max 450mm c/c	m	4		
	RECE 4				
95	40 x 40 x 3mm Angle section corner protectors in 1,000mm lengths to vertical corners, anchored to wall with SS countersunk screws at max 300mm c/c	m	105		
	CRIS 4 DENT 2 EMER 8 RECE 17 MATE 6 MEDI 4 THEA 12 OUTP 10 PHAR 7 SERV 10 RADI 15 KITC 10				
96	75 x 50 x 3mm Angle section corner protectors to horizontal corners, bolted to concrete through timber spacers with SS countersunk screws at max 500mm c/c	m	16		
	GUAR 16				
97	75 x 50 x 3mm Angle section corner protectors to horizontal corners circular on plan, bolted to concrete through timber spacers with SS countersunk screws at max 500mm c/c	m	8		
	GUAR 8				
98	50 x 50 x 3mm Angle section corner protectors to horizontal corners, anchored to concretel with SS countersunk screws at max 300mm c/c	m	12		
	RECE 12				
99	50 x 50 x 3mm Angle section corner protectors to horizontal corners, bolted to concrete through timber spacers with SS countersunk screws at max 500mm c/c	m	126		
	OUTP 70 RESA 28 RESB 28				
100	100 x 50 x 3mm Angle section corner protectors to horizontal or vertical corners, bolted to concrete through timber spacers with SS countersunk screws at max 500mm c/c	m	32		
	RESB 32				
	The following in Guardhouse roof signage				
101	580 x 2mm Natural anodised flat plate fixed to rectangular hollow sections as per architect's drawing no. W404	m	6		
	GUAR 6				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Natural anodised aluminium fascia with sealed joints fixed to brickwork or concrete				
102	125 x 75 x 20 x 2,5mm Fascia as detailed on architec's drawing no. W401 circular on plan	m	9		
	SERV 9				
103	125 x 75 x 20 x 2,5mm Fascia as detailed on architec's drawing no. W401	m	3		
	SERV 3				
	PRESSED STEEL DOOR FRAMES				
	1,6mm Single rebate frames suitable for half brick walls with three of SS 2BB butt hinges EN1935GRD13 (JH-BB-STD-2-SS) per door leaf				
104	Frame for door 762 x 2,032mm high	No	13		
	MEDI 1 KITC 1 RESB 11				
105	Frame for door 813 x 2,032mm high	No	26		
	DENT 1 RECE 1 MEDI 2 THEA 9 RESA 3 KITC 3 RESB 7				
106	Frame for door 900 x 2,030mm high	No	5		
	MEDI 1 SERV 1 KITC 1 RESB 2				
107	Frame for double door 1,359 x 2032mm high	No	2		
	MATE 2				
	1,6mm Single rebate frames suitable for one brick walls with three of SS 2BB butt hinges EN1935GRD13 (JH-BB-STD-2-SS) per door leaf				
108	Frame for door 813 x 2,032mm high	No	16		
	THEA 7 OUTP 1 RESA 2 RESB 6				
109	Frame for door 900 x 2,032mm high	No	12		
	THEA 5 PHAR 1 KITC 4 FIRE 1 RESB 1				
	PRESSED STEEL TRANSFORMER ROOM DOORS AND FRAMES				
	Type Durowin, MV doors or similar approved				
110	Code: BV door 813 x 2,032mm high with rebated frame suitable for one brick wall	No	2		
	THEA 1 KITC 1				
111	Double door 1,524 x 2,134mm high, each leaf with 500 x 500mm high louvred ventilation panel and with rebated frame suitable for one brick wall	No	1		
	FIRE 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
112	Code: ALU Transformer room louvre 902 x 746mm high KITC 1	No	1		
	PRESSED STAINLESS STEEL FRAMES				
	2mm Thick purpose made frames suitable for half brick walls fixed to wall with 3 no. Lugs on each side including sills as per architect's drawing no. W407				
113	Frame for opening 790 x 1,900mm high THEA 1	No	1		
	ALUMINIUM WINDOWS, DOORS, ETC. (CPAP WORK GROUP NO. 140)				
	Powder coated tilt, turn and fixed window units as per FT4000 system complete with subframes, ironmongery, glass, sealing, etc. and fixing to brickwork or concrete				
114	Purpose made window, 600 x 600mm high (drawing no. W501) RESB 4	No	4		
115	Purpose made window, 600 x 1,200mm high (drawing no. W501) KITC 6	No	6		
116	Purpose made window, 600 x 1,500mm high (drawing no. W501) RECE 3	No	3		
117	Purpose made window, 870 x 645mm high (drawing no. W502) SERV 2	No	2		
118	Purpose made window, 900 x 600mm high (drawing no. W501) MEDI 1 OUTP 2 FIRE 2 RESB 1	No	6		
119	Purpose made window, 900 x 1,200mm high (drawing no. W501) KITC 5 RESB 1	No	6		
120	Purpose made Hatch, 900 x 900mm high with two opening sash 450 x 900mm high (drawing no. W403) THEA 1	No	1		
121	Purpose made window, 900 x 1,500mm high (drawing no. W501) KITC 1	No	1		
122	Purpose made window, 900 x 1,800mm high (drawing no. W501) RESB 6	No	6		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
123	Purpose made window, 1,200 x 600mm high (drawing no. W501)	No	10		
	KITC 1 RESB 9				
124	Purpose made window, 1,200 x 600mm high (drawing no. W101)	No	1		
	GENB 1				
125	Purpose made window, 1,450 x 1,750mm high (drawing no. W501)	No	1		
	THEA 1				
126	Purpose made window, 1,470 x 870mm high (drawing no. W501)	No	1		
	THEA 1				
127	Purpose made window, 1,500 x 600mm high (drawing no. W501)	No	2		
	FIRE 2				
128	Purpose made window, 1,500 x 1,200mm high (drawing no. W501)	No	10		
	RESA 5 RESB 5				
129	Purpose made window, 1,800 x 1,500mm high (drawing no. W501)	No	2		
	RESB 2				
130	Purpose made window, 1,800 x 1,800mm high (drawing no. W501)	No	2		
	RESB 2				
131	Purpose made window, 1,870 x 1,465mm high (drawing no. W501)	No	1		
	SERV 1				
132	Purpose made window, 3,620 x 1,500mm high (drawing no. W501)	No	1		
	KITC 1				
	Powder coated shopfronts as per FT4000 system complete with sub frames, ironmongery, glass, sealing, etc and fixing to brickwork or concrete.				
133	Purpose made single door frame (door leaf elsewhere), 528 x 2,025mm high (drawing no. W503)	No	1		
	RECE 1				
134	Purpose made single door frame (door leaf elsewhere), 877 x 2,064mm high (drawing no. W502)	No	1		
	RECE 1				
135	Purpose made single door, 900 x 2,360mm high (drawing no. W502)	No	1		
	SERV 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
136	Purpose made single door, 903 x 2,110mm high (drawing no. W502)	No	1		
	DENT 1				
137	Purpose made single door, 970 x 2,380mm high with solid panels (drawing no. W502)	No	1		
	PHAR 1				
138	Purpose made single door frame (door leaf elsewhere), 975 x 2,075mm high (drawing no. W502)	No	1		
	SERV 1				
139	Purpose made single door, 990 x 2,105mm high (drawing no. W503)	No	2		
	RECE 1 RADI 1				
140	Purpose made single door, 990 x 2,105mm high with solid panels (drawing no. W503)	No	1		
	RECE 1				
141	Purpose made double door with unequal leafs, 1,340 x 2,105mm high (drawing no. W502)	No	2		
	KITC 2				
142	Purpose made double door with unequal leafs, 1,400 x 2,350mm high (drawing no. W502)	No	1		
	RECE 1				
143	Purpose made double door frame (door leaf elsewhere), 1,450 x 2,315mm high (drawing no. W502)	No	1		
	SERV 1				
144	Purpose made double door, 1,500 x 2,360mm high (drawing no. W502)	No	2		
	OUTP 2				
145	Purpose made double door, 1,600 x 2,190mm high (drawing no. W503)	No	1		
	RECE 1				
146	Purpose made double door frame (door leaf elsewhere), 1,614 x 2,525mm high (drawing no. W101)	No	1		
	GENB 1				
147	Purpose made single door with sidelights, 1,500 x 2,3600mm high (drawing no. W502)	No	1		
	SERV 1				
148	Purpose made double door, 1,800 x 2,360mm high (drawing no. W502)	No	14		
	CRIS 1 CTOP 1 DENT 1 EMER 1 RECE 2 MATE 1 MEDI 1 THEA 2 OUTP 1 PHAR 1 RADI 1 MMC 1				
149	Purpose made double door with solid panels, 1,800 x 2,295mm high (drawing no. W502)	No	1		
	PHAR 1				
	Carried to Collection			**R**	

Section No. 2
Bill No. 13
Metalwork

		Unit	Quantity	Rate	Amount
150	Purpose made double door, 1,800 x 2,530mm high (drawing no. W502) MATE 1 MEDI 1	No	2		
151	Purpose made double door, 1,800 x 2,550mm high (drawing no. W502) EMER 1	No	1		
152	Purpose made single door with sidelights, 1,840 x 2,360mm high (drawing no. W502) SERV 1	No	1		
153	Supply and install 2mm aluminium panel with minimum 26mm R1610 polyurethane insulation in between size 705 x 878mm high (drawing no. W502) PHAR 2	No	2		
	ALUMINIUM SHOPFRONTS (CPAP WORK GROUP NO. 140)				
	Powder coated shopfronts as per FT4000 system complete with sub frames, ironmongery, glass, sealing, etc and fixing to brickwork or concrete				
154	Purpose made composite shopfront, 2,868 x 2,095mm high, with two mullions, top and middle section glazed with 6mm laminated safety glass, and bottom section cladded with 900mm high of 3 no. 2mm aluminium panel with min. 26mm R1610 polyurethane insulation in between complete as shown on architect's drawing No. W502 KITC 2	No	2		
155	Purpose made composite shopfront, 3,358 x 2,095mm high, with two mullions, top and middle section glazed with 6mm laminated safety glass, and bottom section cladded with 900mm high of 3 no. 2mm aluminium panel with min. 26mm R1610 polyurethane insulation in between complete as shown on architect's drawing No. W502 KITC 2	No	2		
	ALUMINIUM SLIDING DOORS (CPAP WORK GROUP NO. 140)				
	Powder coated shopfronts as per FT4000 system complete with sub frames, ironmongery, glass, sealing, etc and fixing to brickwork or concrete.				
156	Purpose made double door, 2,400 x 2,052mm high complete as shown on architect's drawing No. W502 RESB 3	No	3		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	ALLUMINIUM LOUVRE UNITS (CPAP WORK GROUP NO. 140)				
	Powder coated fixed louvre units fixed to brickwork or concrete				
157	Purpose made louvre unit for 300 x 300mm high opening (drawing no. W101)	No	12		
	DENT 1 THEA 8 RADI 3				
158	Purpose made louvre unit for 460 x 350mm high opening (drawing no. W501)	No	10		
	RESB 10				
159	Purpose made louvre unit for 500 x 400mm high opening (drawing no. W501)	No	5		
	EMER 1 MATE 1 MEDI 1 THEA 1 RADI 1				
160	Purpose made louvre unit for 600 x 300mm high opening (drawing no. W406)	No	3		
	KITC 3				
161	Purpose made louvre unit for 600 x 600mm high opening (drawing no. W101)	No	6		
	RECE 3 MEDI 1 WAST 1 FIRE 1				
162	Purpose made louvre unit for 1,000 x 1,000mm high opening (drawing no. W501)	No	1		
	GSG 1				
163	Purpose made louvre unit for 1,200 x 600mm high opening (drawing no. W501)	No	2		
	FIRE 2				
	Powder coated fixed louvre units screwed into timber frames				
164	Purpose made louvre unit for 400 x 70mm high opening	No	2		
	RECE 2				
	STEEL ROLLER SHUTTERS ETC				
	Powder coated roller grilles fixed to brickwork or concrete				
165	Type "Expanda" or similar approved single sash trellis security sliding grille for 2,400 x 2052mm high opening.	No	3		
	RESB 3				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	ROOF LIGHTS				
	Opal type roof lights				
166	Double skin dome to suit 600 x 600mm opening, of 5mm thick clear acrylic perspex inner skin and 5mm thick U-95 tinted acrylic perspex outer skin with aluminium kerb, bolted to concrete with and including expansion bolts, and flashings, all fixing details strictly according to manufacturer's specifications	No	3		
	KITC 3				
	GLAZED STAINLESS STEEL COUNTERS				
	Reception counter				
167	Cashier counter overall size 1,415 x 865 x 1,855mm high, comprising of 32mm formica counter top on stainless steel support frame, 1,6mm perforated brushed aluminium sheet type A & B with 4mm and 9mm painted plywood veneer backing respectively, 8mm toughened safety glass partition, complete with three drawers size 332 x 500 x 147mm high, including bolts, screws and brackets complete in accordance with architect's drawing no. W405	No	1		
	RECE 1				
168	Dispensary counter overall size 1,500 x 857 x 1,900mm high, comprising of 32mm formica counter top on stainless steel support frame, 1,6mm perforated brushed aluminium sheet type A & B with 4mm and 9mm painted plywood veneer backing respectively, 8mm toughened safety glass partition, including bolts, screws and brackets complete in accordance with architect's drawing no. W403	No	1		
	PHAR 1				
169	Waiting hall counter overall size 1,760 x 460 x 1,975mm high, comprising of 50mm solid kiaat timber counter top on 50 x 50 x 4mm galvanised steel support frame, 1,6mm perforated brushed aluminium sheet, 6mm thick pin board type Forbo code 2203, mounted on formable stainless steel edge trim type Kirk code: SSE225, all round fixed to 16 x 16 x 3mm S.S. Angle fixed to frame, including bolts, screws and brackets complete in accordance with architect's drawing no. W409	No	1		
	RECE 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
170	Dispensary counter overall size 2,997 x 865 x 1,900mm high, comprising of 32mm formica counter top on stainless steel support frame, 1,6mm perforated brushed aluminium sheet type A & B with 4mm and 9mm painted plywood veneer backing respectively, 8mm toughened safety glass partition, including four drawers size 332 x 500 x 147mm high, including bolts, screws and brackets complete in accordance with architect's drawing no. W402 PHAR 1	No	1		
171	Reception counter overall size 4,035 x 965 x 1,900mm high, comprising of 32mm formica counter top on stainless steel support frame, 1,6mm perforated brushed aluminium sheet type A & B with 4mm and 9mm painted plywood veneer backing respectively, 8mm toughened safety glass partition, complete with nine drawers size 332 x 500 x 147mm high, including bolts, screws and brackets complete in accordance with architect's drawing no. W404 RECE 1	No	1		
	SHOWER CUBICLE PANELS AND DOORS				
	Natural anodised aluminium shower cubicle panels and doors with frames, sliding gear, pivot hinges, cleats, stops, etc. and 4mm toughened clear safety glass, plugged to tiled walls and sealed with silicone sealant				
172	Sliding door in two leaves, 900 x 2,100mm high overall CRIS 1 CTOP 1 EMER 1 MATE 3 MEDI 3 THEA 3 SERV 3 MMC 1	No	16		
	Carried to Collection			**R**	

BILL NO. 13

METALWORK

COLLECTION

	Page No	Amount
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Carried To Section Summary	**R**	

	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 14

PLASTERING

(CPAP WORK GROUP NO. 142 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

Method

The method to be used shall be either the monolithic method or the bonded method

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	Preparation				
	For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all laitance, dirt, oil, etc. is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic.				
	Mix				
	Granolithic shall attain a compressive strength of at least 41MPa. The coarse aggregate shall comply with SANS 1083 and shall generally be capable of passing a 10mm mesh sieve. Where the thickness of the granolithic exceeds 25mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of the granolithic.				
	Curing, seasoning and protection				
	Granolithic shall be covered with clean hessian with waterproof building foil over and kept wet for at least seven days after laying.				
	Colour				
	Coloured granolithic shall be tinted with an approved colouring pigment mixed into a true and even colour.				
	SCREEDS				
	Cement plaster screeds wood floated, on concrete				
1	35mm Thick on floors and landings	m²	984		
	THEA 365 RESA 68 KITC 136 RESB 415				
2	Average 75mm thick on roofs with upper surface to falls	m²	88		
	RESA 48 WAST 37 KITC 3				
3	Average 75mm thick on roofs with upper surface to falls and currents	m²	208		
	GSG 6 KITC 136 RESB 40 GENB 26				
4	Average 35mm thick on roofs with upper surface to falls and currents	m²	896		
	DENT 130 EMER 16 RECE 108 MATE 29 MEDI 35 THEA 86 OUTP 88 PHAR 205 SERV 20 RESA 42 GUAR 59 WAST 36 RESB 42				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Screeds with compressive strength of 25MPa steel trowelled, on concrete				
5	Average 35mm thick on floors with upper surface to falls	m²	251		
	SERV 106 RESA 48 WAST 36 FIRE 61				
	ABE - PU HPU 6-8mm heavy duty self-smoothing polyurethane screed, including abe.cote primer plus silica sand scatter				
6	Average 60mm thick on floors with upper surface to falls	m²	76		
	SERV 76				
7	Average 60mm thick on floors with upper surface to falls and currents	m²	41		
	SERV 41				
	Vermiculite Screeds, on concrete				
8	50mm Thick on floors and landings	m²	572		
	THEA 10 KITC 136 FIRE 61 RESB 365				
	GRANOLITHIC				
	Untinted granolithic, on concrete				
9	35mm Thick on floors and landings	m²	81		
	GAS 38 GENB 26 INVE 17				
	INTERNAL PLASTER				
	Cement plaster wood floated for tiles, on brickwork				
10	On walls	m²	389		
	MEDI 18 RESA 17 RADI 2 KITC 111 RESB 241				
11	On narrow width	m²	4		
	KITC 4				
	Cement plaster rendering coat with gypsum skim plaster finishing coat, on brickwork				
12	On walls	m²	1 669		
	RECE 7 MEDI 15 THEA 346 OUTP 4 SERV 40 RESA 102 RADI 9 KITC 272 RESB 796 GENB 78				
13	On narrow widths	m²	26		
	THEA 1 RESA 1 KITC 2 RESB 21 GENB 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Gypsum skim plaster finishing coat, on plaster				
14	On walls	m²	1 468		
	DENT 101 MATE 173 MEDI 107 THEA 162 OUTP 222 PHAR 187 SERV 174 RESA 209 RADI 120 MMC 13				
	Cement plaster rendering coat with gypsum skim plaster finishing coat, on concrete				
15	On ceilings	m²	211		
	DENT 5 THEA 10 PHAR 5 GUAR 36 KITC 129 GENB 26				
	Gypsum skim plaster finishing coat, on concrete				
16	On ceilings	m²	6		
	DENT 4 FIRE 2				
	One coat gypsum skim plaster finish on existing plasterboard.				
17	On ceilings	m²	55		
	CRIS 5 CTOP 5 EMER 5 RECE 5 MATE 5 MEDI 5 THEA 5 OUTP 5 SERV 5 RADI 5 MMC 5				
	EXTERNAL PLASTER				
	Cement plaster wood floated, on brickwork				
18	On walls	m²	900		
	DENT 62 MATE 19 PHAR 53 SERV 46 RESA 242 GUAR 8 GSG 49 KITC 262 FIRE 26 GAS 4 RESB 119 GENB 10				
19	On circular walls	m²	11		
	GUAR 11				
20	On ceilings	m²	40		
	DENT 12 RECE 17 PHAR 11				
21	On brick colums	m²	6		
	RECE 1 MATE 2 MEDI 3				
22	On narrow widths	m²	237		
	CRIS 7 CTOP 6 DENT 5 EMER 14 RECE 13 MATE 15 MEDI 14 THEA 10 OUTP 19 PHAR 5 SERV 19 RESA 39 RADI 9 MMC 6 WAST 16 WATE 2 GSG 5 KITC 3 FIRE 1 GAS 2 RESB 20 INVE 7				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Rough-cast plaster, on brickwork				
23	On walls SERV 12 KITC 57	m²	69		
24	On narrow widths not exceeding 300mm wide SERV 1	m²	1		
	Carried to Collection			**R**	

BILL NO. 14

PLASTERING

COLLECTION

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Carried To Section Summary	**R**	

	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 15

TILING

(CPAP WORK GROUP NO. 144 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

Fixing

Unless described as 'fixed with adhesive to plaster (plaster elsewhere)' descriptions of tiling on brick or concrete walls, columns, etc. shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc. shall be deemed to include 1:3 plaster bedding

Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts as recommended by the manufacturer of the tiles

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts from the Tal Professional range of products as recommended by the manufacturer of the tiles				
	WALL TILING				
	200 x 200 x 5mm White matt ceramic tiles fixed with adhesive to plaster (plaster elsewhere)				
1	On walls	m²	834		
	CRIS 1 EMER 21 RECE 21 MATE 22 MEDI 32 THEA 49 OUTP 21 SERV 34 RESA 241 RADI 3 MMC 4 KITC 144 RESB 241				
2	On walls in isolated panels, splashbacks, etc.	m²	3		
	THEA 1 KITC 1 FIRE 1				
3	On narrow widths	m²	16		
	EMER 1 MATE 1 OUTP 2 RESA 3 MMC 1 KITC 5 RESB 3				
4	Re-grout eisting tiles On walls	m²	3		
	DENT 1 SERV 2				
	FLOOR TILING				
	350 x 350 x 6mm Johnson tile, type: Kilimanjaro matt ceramic floor tiles fixed with adhesive to screed (screed elsewhere) and flush pointed with tinted waterproof grout				
5	On floors and landings	m²	133		
	DENT 1 EMER 3 RECE 8 MATE 15 MEDI 16 THEA 6 OUTP 5 SERV 1 RADI 2 KITC 21 RESB 55				
6	Skirting 100mm high of cut tiles	m	17		
	DENT 1 MEDI 3 KITC 13				
	330 x 330 x 6mm Johnson tile , type: UN 512 matt ceramic floor tiles fixed with adhesive to screed (screed elsewhere) and flush pointed with tinted waterproof grout				
7	On floors and landings	m²	196		
	RECE 5 THEA 52 RESA 26 GUAR 1 KITC 49 RESB 63				
8	Skirting 140mm high of cut tiles	m	133		
	RESA 38 GUAR 2 KITC 23 RESB 70				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
9	Circular cutting RESB 4	m	4		
	Floor tiles with a cost price of R150 (One hundred and fifty Rands) net per m2 (cost price to include for delivery to site but to exclude VAT), fixed with adhesive to screed (screed elsewhere) and flush pointed with tinted waterproof grout				
10	On floors and landings RESA 57 GUAR 5 WAST 5 RESB 22	m²	89		
11	Skirting 100mm high of cut tiles RESA 82 WAST 5	m	87		
12	Circular cutting RESA 4 GUAR 8	m	12		
13	Re-grout exting tiles on floors and landings. RESA 9 GUAR 13	m²	22		
	Floor tiles with a cost price of R200 (Two hundred thousand Rands) net per m2 (cost price to include for delivery to site but to exclude VAT), fixed with adhesive to screed (screed elsewhere) and flush pointed with tinted grout				
14	On floors and landings CTOP 1 EMER 2 MEDI 3 THEA 11 RESA 729 MMC 1 WAST 4	m²	751		
15	Skirting 200mm high of cut tiles WAST 7	m	7		
16	Re-grout exting tiles on floors and landings DENT 14 EMER 8 RECE 4 MATE 15 MEDI 1 OUTP 2	m²	44		
	300 x 300 x 6mm porcelain floor tiles (PC R150/m²) fixed with adhesive to screed (screed elsewhere) and flush pointed with waterproof grout				
17	On floors and landings WAST 25	m²	25		
	420 x 420 x 6mm porcelain floor tiles (PC R200/m²) fixed with adhesive to screed (screed elsewhere) and flush pointed with waterproof grout				
18	On floors and landings CRIS 5 CTOP 16 EMER 28 RECE 38 MATE 32 MEDI 38 THEA 46 OUTP 45 SERV 57 GUAR 13 RADI 4 MMC 14	m²	336		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
19	Skirting 200mm high of cut tiles MEDI 14 SERV 25	m	39		
	500 x 500 x 5mm Ceramic floor tiles (PC R200/m²) fixed with adhesive to screed (screed elsewhere) and flush pointed with waterproof grout				
20	On floors and landings RESA 9	m²	9		
21	Skirting 200mm high of cut tiles RESA 2	m	2		
	600 x 600 x 9mm porcelain floor tiles (PC R200/m²) fixed with adhesive to screed (screed elsewhere) and flush pointed with waterproof grout				
22	On floors and landings DENT 9 RECE 140 OUTP 37 PHAR 7 SERV 102 KITC 95 RESB 314	m²	704		
23	Skirting 200mm high of cut tiles RECE 220 OUTP 3 PHAR 8 SERV 37 KITC 37	m	305		
24	Re-grout exting tiles on floors and landings SERV 46	m²	46		
	SUNDRIES				
	Aluminium dividing strips				
25	Supply and fix, Aluminium matwell edge strip, size, 25mm x 25mm x 3mm, to perimeter of recessed matwell frame, including countersunk screwing to concrete subfloor with rawlplugs and screws at, 300mm centers, mitred angles, bedding in silicone sealant, and leaving perfect upon completion. CRIS 6 CTOP 6 DENT 6 EMER 6 RECE 13 MATE 12 MEDI 12 THEA 6 OUTP 15 PHAR 6 RADI 6 MMC 6 KITC 4	m	104		
	Brass dividing strips				
26	30 x 3mm Flat section dividing strips between tiles CRIS 3 CTOP 5 DENT 2 EMER 10 RECE 22 MATE 10 MEDI 23 SERV 32 GUAR 2 RADI 1 MMC 5 KITC 31 RESB 34	m	180		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Corner protectors, stair nosings, expansion joint strips, etc.				
27	Type: M•Trim Natural anodised 8mm high aluminium straight edge trim (Code: ASE080.NA), bedded in tile adhesive while tiles are laid. CRIS 1 CTOP 2 EMER 1 MATE 3 MEDI 7 THEA 17 SERV 3 RESA 25 MMC 1 KITC 28 FIRE 4 RESB 7	m	99		
28	Type: M•Trim Natural anodised 23 x 10mm high aluminium top edge trim (Code: ACS230), bedded between formica counter top and stainless steel sink. CRIS 4 CTOP 4 EMER 7 MATE 11 MEDI 4 THEA 7 RESA 39 RADI 4 MMC 4 RESB 39	m	123		
	Carried to Collection			**R**	

BILL NO. 15

TILING

COLLECTION

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	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 16

PLUMBING AND DRAINAGE

(CPAP WORK GROUP NO. 148 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

Wire gratings

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

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

Stainless steel for economy basins, domestic sinks and worktops shall be Type 430 (17/0) Stainless steel for urinals, basins, quality sinks, wash troughs, institutional equipment, etc. shall be Type 304 (18/8) Stainless steel for laboratory sinks, photographic equipment, etc. shall be Type 316 (18/8) Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable

Carried to Collection **R**

	Unit	Quantity	Rate	Amount

Sealing of edges

Outer edges of sinks, basins, baths, urinals, etc. are to be sealed against adjacent surfaces with approved silicone

uPVC pipes and fittings

Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings

Copper pipes

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

Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc. to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition

Reducing fittings

Where fittings have reducing ends or branches they are described as 'reducing' and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained

Fixing of pipes

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

Paper wrapping to pipes

Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings

Disinfection of water pipework

Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere)

Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Laying, backfilling, bedding, etc. of pipes				
	Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled				
	General				
	Descriptions of WC pans, slop hoppers, etc. shall be deemed to include for joints to soil pipes (pan connectors are separately measured)				
	As-built drawings				
	Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere).				
	Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc. to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition				
	Descriptions of gutter outlets etc. shall be deemed to include wire balloon gratings				
	RAINWATER DISPOSAL				
	1,2mm Galvanised sheet steel gutters and rainwater pipes				
1	200 x 200mm Roof gutters with beaded front edge	m	82		
	RECE 8 RESA 37 RESB 37				
2	200 x 200mm Purpose made concealed box gutters	m	54		
	MEDI 42 RESB 12				
3	Extra over gutter for stopped end	No	63		
	EMER 4 RECE 4 MATE 4 MEDI 6 THEA 1 RESA 22 RESB 22				
4	Extra over gutter for outlet for 100mm pipe	No	30		
	EMER 4 RECE 2 MATE 2 RESA 11 RESB 11				
5	100mm Diameter rainwater pipes	m	168		
	DENT 4 EMER 7 MATE 11 MEDI 11 THEA 7 OUTP 4 PHAR 11 SERV 28 RESA 36 GUAR 9 RADI 4 RESB 36				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
6	Extra over rainwater pipe for shoe	No	50		
	DENT 1 EMER 2 MATE 2 MEDI 3 THEA 7 OUTP 1 PHAR 3 SERV 8 RESA 11 GUAR 1 RESB 11				
7	Extra over rainwater pipe for eaves or plinth offset	No	35		
	EMER 2 MATE 3 MEDI 3 THEA 2 OUTP 1 SERV 8 RESA 8 RESB 8				
8	Fix firmly into position existing 200 x 200mm gutter with 4mm bracket at 750mm c/c	No	748		
	CRIS 42 CTOP 52 EMER 53 RECE 39 MATE 73 MEDI 57 THEA 42 OUTP 108 SERV 54 RESA 100 RADI 42 MMC 52 WATE 14 GSG 20				
9	Fix firmly into position existing 100mm diameter rainwater down pipe with 4mm bracket at 750mm c/c	No	555		
	CRIS 38 CTOP 38 DENT 20 EMER 52 MATE 40 MEDI 45 THEA 47 PHAR 8 RESA 190 RADI 19 MMC 38 WATE 10 GSG 10				
10	Fix firmly into position existing 360 x 250 x 250mm Deep rainwater head with one bracket with 1 no. extra bracket in the middle (refer to drawing no. 401)	No	32		
	CRIS 2 CTOP 2 DENT 3 EMER 4 MATE 4 MEDI 4 THEA 4 PHAR 3 RADI 4 MMC 2				
11	Re-instate into same position existing rainwater down pipe 100mm diamter x 3,5m long with 4mm bracket at 750mm c/c	No	6		
	MATE 2 THEA 2 OUTP 2				
12	Reposition existing rainwater down pipe 100mm diamter x 3,5m long with 4mm bracket at 750mm c/c	No	3		
	MATE 1 MEDI 1 GUAR 1				
13	150 x 150mm Roof gutters with beaded front edge	m	73		
	EMER 12 MATE 12 MEDI 12 FIRE 25 GAS 12				
14	Extra over gutter for stopped end.	No	6		
	FIRE 4 GAS 2				
15	Extra over gutter for outlet for 80mm pipe	No	6		
	FIRE 4 GAS 2				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
16	80mm Diameter rainwater pipes EMER 4 MATE 4 FIRE 12 GAS 5 GENB 4	m	29		
17	Extra over rainwater pipe for eaves or plinth offset FIRE 4 GAS 2	No	6		
18	Extra over rainwater pipe for shoe EMER 1 MATE 1 FIRE 4 GAS 2 GENB 1	No	9		
	1,2mm Galvanised steel pipes with screwed and socketed joints				
19	125mm Diameter rainwater pipes PHAR 10	m	10		
20	Extra over rainwater pipe for shoe PHAR 3	No	3		
21	76mm diameter x 3mm Weep pipe 276mm long welded to to 150mm diameter x 5mm galvanised steel flange, with splay-cut end, bolted to brickwork (refer to drawing no. W401) CRIS 1 CTOP 5 DENT 3 EMER 6 MEDI 1 THEA 2 PHAR 5 SERV 2 RADI 1 MMC 4 KITC 4	No	34		
22	76mm diameter x 3mm Weep pipe 550mm long welded to to a pair of 150mm diameter x 5mm galvanised steel flange, with splay-cut end, built through brickwork (refer to drawing no. W401) DENT 2 EMER 1 MATE 1 MEDI 1 THEA 3 PHAR 2 SERV 1 GUAR 1 RADI 1 WAST 1 KITC 2 GENB 1	No	17		
	3mm Galvanised sheet steel gutters and rainwater downpipes				
23	360 x 250 x 250mm Deep rainwater head with one bracket with outlet for 100mm diameter pipe, 1 no. extra bracket in the middle (refer to drawing no. 402) RECE 1 MATE 2 MEDI 2 THEA 1 OUTP 1 SERV 2 RADI 1 KITC 6 GENB 1	No	17		
	1mm Galvanised sheet steel gutters and rainwater downpipes				
24	100mm Diameter rainwater pipes RECE 4 MATE 7 MEDI 7 THEA 4 OUTP 4 SERV 7 RADI 4 KITC 21	m	58		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
25	Extra over rainwater pipe for bend KITC 6	No	6		
26	Extra over rainwater pipe for eaves or plinth offset RECE 2	No	2		
27	Extra over rainwater pipe for shoe RECE 3 MATE 4 THEA 1 OUTP 1 SERV 2 RADI 1 KITC 6	No	18		
28	Fix firmly into position existing 100mm diameter rainwater down pipe with 4mm bracket at 750mm c/c RECE 36 OUTP 72 SERV 71	No	179		
29	Fix firmly into position existing 360 x 250 x 250mm Deep rainwater head with 1 no. extra bracket in the middle (refer to drawing no. 401) RECE 9 OUTP 8 SERV 2	No	19		
	Domical cast iron fullbore outlet				
30	100mm 45 degrees Side outlets KITC 6 GENB 1	No	7		
	Heavy duty uPVC gutters and rainwater pipes				
31	Extra over 100m diameter rainwater pipe for shoe SERV 4	No	4		
	Galvanised steel pipes with screwed and socketed joints				
32	76mm diameter x 3mm Weep pipe 276mm long welded to to 150mm diameter x 5mm galvanised steel flange, with splay-cut end, bolted to brickwork (refer to drawing no. W401) RECE 8 SERV 1	No	9		
33	76mm diameter x 3mm Weep pipe 550mm long welded to to a pair of 150mm diameter x 5mm galvanised steel flange, with splay-cut end, built through brickwork (refer to drawing no. W401) RECE 6 OUTP 3 SERV 3	No	12		
	STORMWATER DRAINAGE (CPAP WORK GROUP NO. 146)				
	Heavy duty (Class 34) PVC drain pipes				
34	160mm Pipes laid in and including trenches not exceeding 1m deep SERV 7	m	7		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Sumps, catchpits, inspection chambers, etc including concrete kerbs or precast concrete cover slabs (gratings and covers elsewhere)				
35	Excavate for and build wash bay catch pit size 1,025 x 1,025 not exceeding 1,0m deep internally, formed of 150mm thick cement concrete (25MPa) bottom projecting 75mm all round, mass concrete (15Mpa) benching, hard burnt one brick sides with galvanised brickforce between each course, rendered internally in 1:3 cement plaster, 1340 x 1,340mm overall x 200mm thick (25Mpa) reinforced concrete cover slab including reinforcing, rebating for and fitted with mild steel angle frame and grating (frame and grating elsewhere) in accordance with SABS 558, bedded in 1:3 cement mortar and sealed in tallow, including all necessary fittings, excavations, formwork, holes through sides for pipes etc as per Stormwater Catchpit detail on Architects Drawing No. W405 accompanying these Bills of Quantities.	No	1		
	SERV 1				
	Cast iron gratings, covers, etc				
36	300 x 300mm x 10.3kg Dished grating and frame	No	1		
	SERV 1				
	SOIL DRAINAGE (CPAP WORK GROUP NO. 146)				
	Normal duty (Class 51) PVC-U sewer and drain pipes				
37	110mm Pipes laid in and including trenches not exceeding 1m deep	m	27		
	CTOP 1 KITC 11 FIRE 5 GAS 10				
38	110mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep	m	15		
	KITC 15				
39	50mm Pipes laid in and including trenches not exceeding 1m deep	m	5		
	CTOP 3 GAS 2				
	Extra over normal duty (Class 51) PVC-U sewer and drain pipes for fittings				
40	50mm Bend	No	6		
	CTOP 2 FIRE 2 GAS 2				
41	110mm Bend	No	7		
	CTOP 2 KITC 3 FIRE 1 GAS 1				
42	110mm Junction	No	3		
	KITC 1 FIRE 1 GAS 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
43	110mm Access junction	No	8		
	KITC 6 FIRE 1 GAS 1				
44	110mm Access reducing junction	No	12		
	KITC 10 FIRE 1 GAS 1				
45	110mm Rodding eye	No	5		
	KITC 3 FIRE 1 GAS 1				
46	110mm "GT Two way" vent valve	No	1		
	EMER 1				
47	110mm Overflow gulley head	No	9		
	KITC 7 FIRE 1 GAS 1				
	Vitrified clay gulleys				
48	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 incasing in 15MPa/19mm mass concrete and fitted with and including precast concrete gulley top bedded in cement mortor	No	21		
	CRIS 1 DENT 1 EMER 1 RECE 2 MATE 1 MEDI 1 THEA 1 OUTP 1 PHAR 1 SERV 2 RADI 1 KITC 6 FIRE 1 GAS 1				
	SUNDRIES (CPAP WORK GROUP NO. 146)				
	Sundries				
49	Cutting into side of existing inspection chamber for and connecting 110mm pipe, including inserting 110mm channel junction and making good concrete benching	No	3		
	KITC 1 FIRE 1 GAS 1				
	CATERING EQUIPMENT				
	In accordance with "Vulcan" catalogue or similar approved				
50	'Model WHB' wash hand basin size 520 x 425mm (Ref. No. 3044966) formed of 0,9mm grade 304 stainless steel with perforation for 40mm waste including stainless steel wall brackets.	No	1		
	KITC 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
51	'Vulcan' single bowl pre-wash sink / table size 1 650 x 620mm (code: 3013964) with 150mm high integral splash back at rear, 65mm turndown and under with 20mm drip fillet to remaining sides, 1,6mm thick single bowl with perforation for 40mm waste, the underside of the unit sprayed with vermin proof bitumastic sound deadening and supported on 1,6mm thick mild steel backing sheet with baked enamel finish with 38 x 38 x 3mm mild steel angle framework with baked enamel finish welded on, set on four 45mm diameter stainless steel tubular legs with stailess steel corner gusset plates, braces, etc. and adjustable die-cast zinc foot pieces	No	3		
	KITC 3				
52	'Vulcan Model SCBS' single bowl preparation sink size 1 650 x 650 x 910mm high (code: 3044362) with 150mm high integral splash back at rear, 65mm turndown and under with 20mm drip fillet to remaining sides, 1,6mm thick single bowl with perforation for 40mm waste, the underside of the unit sprayed with vermin proof bitumastic sound deadening and supported on 1,6mm thick mild steel backing sheet with baked enamel finish with 38 x 38 x 3mm mild steel angle framework with baked enamel finish welded on, set on four 45mm diameter stainless steel tubular legs with stailess steel corner gusset plates, braces, etc. and adjustable die-cast zinc foot pieces	No	2		
	KITC 2				
53	'Vulcan Model DCBPS' double bowl pot sink size 1 850 x 650 x 910mm high (code: 3044428) with 150mm high integral splash back at rear, 65mm turndown and under with 20mm drip fillet to remaining sides, fluted draining boards and 1,6mm thick double centre bowls each with perforation for 40mm waste, the underside of the unit sprayed with vermin proof bitumastic sound deadening and supported on 1,6mm thick mild steel backing sheet with baked enamel finish with 38 x 38 x 3mm mild steel angle framework with baked enamel finish welded on, set on four 45mm diameter stainless steel tubular legs with stailess steel corner gusset plates, braces, etc. and adjustable die-cast zinc foot pieces	No	1		
	KITC 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
54	'Outlet' table size 1 150 x 620mm, floor standing (Ref. No. 3013960) with 150mm high integral splashback at rear, 75mm turndown and under to remaining sides, the underside of the unit sprayed with vermin proof bitumastic sound deadening and supported on 1,6mm thick mild steel backing sheet with baked enamel finish with 38 x 38 x 3mm mild steel angle framework with baked enamel finish welded on, set on four 45mm diameter stainless steel tubular legs with stainless steel corner gusset plates, braces, etc. and adjustable die-cast zinc foot pieces.	No	1		
	KITC 1				
55	'Model SWB 1050' table size 1 050 x 650 x 910mm high (Ref. No. 3044700) with 150mm high integral splashback at rear, 75mm turndown and under to remaining sides, the underside of the unit sprayed with vermin proof bitumastic sound deadening and supported on 1,6mm thick mild steel backing sheet with baked enamel finish with 38 x 38 x 3mm mild steel angle framework with baked enamel finish welded on, set on four 45mm diameter stainless steel tubular legs with stainless steel corner gusset plates, braces, etc. and adjustable die-cast zinc foot pieces.	No	2		
	KITC 2				
56	'Model SWB 1840' table size 1 840 x 650 x 910mm high (Ref. No. 3044702) with 150mm high integral splashback at rear, 75mm turndown and under to remaining sides, the underside of the unit sprayed with vermin proof bitumastic sound deadening and supported on 1,6mm thick mild steel backing sheet with baked enamel finish with 38 x 38 x 3mm mild steel angle framework with baked enamel finish welded on, set on four 45mm diameter stainless steel tubular legs with stainless steel corner gusset plates, braces, etc. and adjustable die-cast zinc foot pieces.	No	2		
	KITC 2				
57	'Model SST 1050' table size 1 050 x 750 x 910mm high (Ref. No. 3044707) with 75mm turndown and under to all sides, the underside of the unit sprayed with vermin proof bitumastic sound deadening and supported on 1,6mm thick mild steel backing sheet with baked enamel finish with 38 x 38 x 3mm mild steel angle framework with baked enamel finish welded on, set on four 45mm diameter stainless steel tubular legs with stainless steel corner gusset plates, braces, etc. and adjustable die-cast zinc foot pieces.	No	1		
	KITC 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
58	'Model SST 1840' table size 1 840 x 750 x 910mm high (Ref. No. 3044707) with 75mm turndown and under to all sides, the underside of the unit sprayed with vermin proof bitumastic sound deadening and supported on 1,6mm thick mild steel backing sheet with baked enamel finish with 38 x 38 x 3mm mild steel angle framework with baked enamel finish welded on, set on four 45mm diameter stainless steel tubular legs with stainless steel corner gusset plates, braces, etc. and adjustable die-cast zinc foot pieces.	No	2		
	KITC 2				
59	Model MCR-4 400' piece mobile crockery racks size 840 x 610 x 1650mm high, formed of cross-spaced flat bar, all finished in baked enamel, plastisised heavy duty holders including with heavy-duty wire with 2 stainless steel drip tray fitted to framework, complete with racks mounted on 4 x 125mm diameter swivel castors (code: 3745001).	No	2		
	KITC 2				
60	'Model PR' Four tiers crockery racks size 1,200 x 600 x 1 459mm high, formed of Four tiers formed of grade 304 stainless steel uprights 45mm in diameter, 20mm galvanized tubes to form storage platforms (code: 3043517).	No	1		
	KITC 1				
61	'Model MPR' Four tiers pot racks size 1,200 x 600 x 1 450mm high, formed of Four tiers formed of grade 304 stainless steel uprights 45mm in diameter, 20mm galvanized tubes to form storage platforms (code: 3043447).	No	1		
	KITC 1				
62	'Model TTT' Three tiers tea trolley size 890 x 533 x 9400mm high, formed of Three tiers formed of grade 304 stainless steel uprights 45mm in diameter, 20mm galvanized tubes to form storage platforms (code: 3081829).	No	1		
	KITC 1				
63	'Model WST 2/10' Hospital ward service trolley, size 1 200 x 700 x 1 550mm high, the top of the unit formed of 1.2mm 430 stainless steel, the base 1.6mm 430 stainless steel, the doors 1.2mm 430 stainless steel and the side and back panels 1.2mm 430 stainless steel, door opening size 850 x 1170mm and 200mm diameter casters, complete with stainless steel handles on the side panels, retractable doors, stainless steel tray rail along the top of the unit, push button handles and runners to accommodate 20 No. 525mm deep x 380mm wide trays				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	(code: 3081926).	No	2		
	KITC 2				
64	'Model TTR2314' Tuff tray rectangular No. 14 black				
	(code: 2707262).	No	40		
	KITC 40				
65	'Model RG-6' Six open burner gas range size 1 000 x 850 x 1115mm high to top of 215mm high backguard/flue, formed of 1,2mm type 304 stainless steel front and sides, with back panel of 1,6mm thick aluminised steel, working surface comprising of six individually controlled open buners, each with rating of 22,000kJ/Hr and controlled with individual OFF/HIGH/LOW safety gas tap with pilot ignition, including oven size 610 x 700 x 340 high internally with 45 litres capacity formed of 1,6mm thick aluminised steel with six position channel runners, two mild steel oven grids per unit, and enclosed by stainless steel drop down door including dead weight counter balance, complete with one aerated buner rated at 30,000kJ/H, controlled by thermostatic valve and protected by flame failure device. Total gas consumption rating of 192,000kJ/hr (Code: 3005670).	No	1		
	KITC 1				
66	'Model VGF20' Single pan floor standing gas fryer 20 litre capacity size 380 x 760 x 1 150mm high, formed of 1,2mm type 304 stainless pan with sides clad in type 430 stainless steel, with hinged stainless steel door to front, fitted with adjustable foot pieces, with back panel of 1,6mm thick aluminised steel, controlled by safety thermostatic valve with push button ignitor and protected by flame failure device. Total gas consumption rating of 85,500kJ/hr (Code: 3024060).	No	1		
	KITC 1				
67	Ref: 2715415 Deep fryer baskets for gas size 330 x 115 x 130mm deep	No	2		
	KITC 2				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
68	'Model TS-40' Tilting skillet size 610 x 882 x 960mm high, formed of 3mm type 304 stainless steel sides, 10mm thick boilerplate base, 2mm type 430 stainless steel top, gas pressure of LPG 280mm H2O (2.8kPa), heated by two nickel plated steel tube burners 28,000J/hr controlled by thermostatic valve with temperature range of 50°C to 250°C, electric ignition and protection by flame failure device, spring-balanced lid with heat-resistant handle, including drain pan of 1/1 x 150mm deep gastronorm, all suppoted on 45mm diameter type 430 stailess steel tubular legs fitted with zinc, die-cast adjustable feet (code: 3077174).	No	1		
	KITC 1				
69	'Model CM 61' Rational combiMaster Plus gas oven size 847 x 771 x 782mm high, internally with 6 x 1/1 GN capacity, fuel type LPG, output 30-80 meals per day, power type 13,000W. 56.6A BTU/Hr 44382 controlled by thermostatic valve with temperature range of 30°C to 300°C, electric ignition and protection by flame failure device (Code: 2611151)	No	1		
	KITC 1				
70	Ref: 2610405 Insert GN/ 1/1 x 55mm Deep solid S/S GA 22 - (7001J2)	No	1		
	KITC 1				
71	Ref: 2712501 Insert GN/ 1/1 x 530 x 325 x 28mm deep enamel tray	No	1		
	KITC 1				
72	Ref: 2715405 Insert GN/ 1/1 x 530 x 325 grid wire chromium plated	No	1		
	KITC 1				
73	Ref: 3060005 Stand for combi-steamer 6 pan-SCC storage	No	1		
	KITC 1				
74	'Model BMHC 1130' Three division Bain marie hot cupboard size 1 105 x 750 x 910mm formed of 1,6mm type 304 stainless steel well and top surround and type 430 stainless steel outer cladding, fitted with drain valve under the well, including an immersion heating element with low-level water cut out, controlled by thermostart , complete with electric cord and three pin, 15 amp plug suitable for electric loading of 5,5kW, 230V. (code: 301897A)	No	1		
	KITC 1				
75	Ref: 2610413 Insert GN1/1 x 150mm deep solid (7006J4) GA22 S/Steel	No	1		
	KITC 1				
	Carried to Collection			**R**	

Section No. 2
Bill No. 16
Plumbing And Drainage

		Unit	Quantity	Rate	Amount
76	Ref: 2610419 Insert GN1/1 x 150mm deep solid (7126J4) GA22 S/Steel KITC 4	No	4		
77	Ref: 2610441 Insert lid GN1/1 (Full size) (7000C4) GA22 S/Steel KITC 1	No	1		
78	Ref: 2610441 Insert lid GN1/2 (Half size) (7120C4) GA22 S/Steel KITC 4	No	4		
79	'Model PC 07' Comenda dishwasher hood type 40 racks/h 720 plates/h , size 624 x 740 x 1 460mm, working height 440mm, fitted with hood for 6 removable racks, and 42 litre tank, electrical power: 2,2kW / 230 V (code: 2614812), including 6 x VCO plate rack (code: 2618030, 6 x VCO cutlery rack (code: 2618033) and 6 x VCO cup & bowl rack (code: 2618035) KITC 1	No	1		
80	Ref: 2618030 VCO plate rack peg type code No. 8740.OTB50.00 KITC 6	No	6		
81	Ref: 2618033 VCO cutlery rack open flat code No. 8740.CKB50.00 KITC 6	No	6		
82	Ref: 2618035 VCO cup & bowl rack open code No. 8740.DBB50.00 KITC 6	No	6		
83	'Model RB series' 2 full door – S/S freezer refrigerator, 1 200 x 760 x 1 950mm high, with 980L capacity, 3/4 Hp compressor, 220V power supply, R404a refrigerant, 8 sets of shelves with temperature range 0ºC to -20ºC (code: 2610721) KITC 2 **In accordance with "Bosch" catalogue or similar approved**	No	2		
84	'Series 6' Under counter – white refrigerator with freezer section, 598 x 548 x 820mm high, with 123L capacity, and A++ energy efficiency (code: KUL15A60M) KITC 1	No	1		
85	'Series 6' Single full door – white refrigerator, 600 x 650 x 1 610mm high, with 290L capacity, auto defrost, R600a refrigerant and A++ energy efficiency (code: KSV29NW31Z) KITC 1	No	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	In accordance with "Raljac" catalogue or similar approved				
86	'Model CV100' Wall mounted box type extraction canopy made in two modules each 1950 x 1 350 x 610mm, size 3 900 x 1 350 x 650mm deep, positioned side to side formed of 430 stainless steel, complete with 3 No. of S/S baffle grease filters, 2 No. 900mm vapour proof light fittings, 560mm/150/10 blade 27° 1,1kw motor, 1440 rpm 380volts 3 phase Axial flow type fan complete with overload switch and weather proof isolator, complete with 700 x 300 x 300mm long GS plenum box with spigot, 550 x 550 x 1 000mm GS duct, 550 x 550 GS square 90° bend, 550 x 550mm to 560mm diameter square to round transition pierce, 560 x 840mm long silencer in GS housing melinex lined with pod and necessary consumables	No	1		
	KITC 1				
	LAUNDRY EQUIPMENT				
	"Miele" or similar approved				
87	'Code: PW 6163' Profitronic M barrier electric stainless steel washing machine, overall size 1,153 x 1,070 x 1,718mm high, with 16kg load capacity, 160m³ drum volume, two door barrier model	No	2		
	SERV 2				
88	'Code: PM 1318' PM 13 electronic flatwork stainless steel ironer, overall size 2,576 x 1,150 x 1,318mm high, 1,750mm working width, including aluminium heater plate material, adjustable feet, flex control foot switch, laundry return feed, and vented	No	2		
	SERV 2				
89	'Code: PDR 518 Rop (EL)' Profitronic M electronic stainless steel dryer, overall size 1,090 x 1,125 x 1,526mm high, with 13-18kg load capacity, 325m³ drum volume, and vented	No	2		
	SERV 2				
90	Testing, commissioning, operational training, and formal handover of the works	Item			
	In accordance with "Valcan" catalogue or similar approved				
91	'Code: 3044707-Model SST 1840' Stainless Steel table with plain top, overall size 1,840 x 750 x 910mm high, weight 60kg	No	3		
	SERV 3				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	SANITARY FITTINGS				
	'Franke' or similar approved				
92	500 x 450mm Type 318619 wall mounted single bowl wash trough on code: 300367 steel brackets	No	3		
	KITC 1 FIRE 1 GAS 1				
93	900 x 353mm Type 310450 trendline drop-on sink with 460 x 355mm end bowl on cupboard (cupboard elsewhere)	No	25		
	CRIS 1 CTOP 1 DENT 1 EMER 1 RECE 1 MATE 1 MEDI 1 THEA 1 OUTP 2 PHAR 1 SERV 1 RESA 5 GUAR 1 RADI 1 MMC 1 RESB 5				
94	Access panel to bath drain	No	13		
	MATE 1 MEDI 2 RESA 10				
	'Vaal' or similar approved				
95	455 x 290mm "Bantam" Lavatory basin on brackets mounted with wall bolts code: 8448ZO	No	4		
	SERV 2 KITC 2				
96	510 x 405mm "Daisy" 7008 Lavatory basin on brackets mounted with wall bolts code: 8448ZO	No	1		
	KITC 1				
97	585 x 435mm Hygia 703611 hospital basin supplied with two tap holes, including 1/4 turn wrist action mixer code: 8376ZO, CP waste code: 8794ZO, overflow tube code: 8630ZO and CP caps code: 8513ZO	No	2		
	KITC 2				
	Geberit or similar approved				
98	550 x 440mm "Selnova" standard Lavatory basin Code: 500.315.1 with one tap hole centred	No	2		
	RESB 2				
99	455 x 370mm "Selnova" handrinse Lavatory basin B45 with one tap centred and overflow on brackets mounted with wall bolts.	No	2		
	OUTP 1 RESB 1				
100	555 x 440mm "Selnova" Lavatory basin B55 with one tap centred and overflow on brackets mounted with wall bolts.	No	2		
	EMER 1 MEDI 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
101	600 x 490mm "Renova" Medical basin B60 with no tap hole and overflow on brackets mounted with wall bolts. MEDI 1 THEA 1 OUTP 2 RADI 1 MMC 1	No	6		
102	550 x 450mm "Variform" countertop vanity basin code; 500.740.01.2 with one tap hole centred RESB 6	No	6		
103	120mm Sigma Kombifix concealed cistern for wall hung WC (Article No. 110.360.00.5), front actuated with Mambo single flush with flush/stop application actuator (Article No. 115.751.00.1) in stainless steel finish, including flush pipe and pan connector, water supply connection with angle stop valve, protection cover for service opening and protection cover for flush pipe, fixed with included fastening materials inside solid wall from 120mm up to 200mm. All with Geberit conditional guarantee. EMER 1 RECE 2 MEDI 1 OUTP 1 RESA 8 RADI 1 RESB 9	No	23		
104	'Selnova comfort' wall-hung Paraplegic WC, complete with connection set for wall-hung WC, length 30cm Selnova comfort WC seat ring, Barrier -free, Geberit remote flush actuation Type 01, pneumatic for single flush, exposed actuator: white alphine. Geberit cover plate sigma: Matt Chrome-plated. Geberit kombifix element for wall-hang WC, 108cm, with Sigma concealed Cistern 12cm. EMER 1 RECE 2 MEDI 1 OUTP 1 RADI 1 RESB 1	No	7		
105	'Selnova standard' wall-hung WC, complete with connection set for wall-hung WC, length 30cm Selnova comfort WC seat ring, Barrier -free, Geberit remote flush actuation Type 01, pneumatic for single flush, exposed actuator: white alphine. Geberit cover plate sigma: Matt Chrome-plated. Geberit kombifix element for wall-hang WC, 108cm, with Sigma concealed Cistern 12cm. RESA 8 RESB 8	No	16		
106	HyTouch Sigma 10 pneumatic urinal actuator (Article No. 116.015.KH.1) finished in shiny/matt/shiny including universal installation set (Article No. 116.003.00.1) and urinal trap (Article No.152.950.11.1). RECE 4 OUTP 2	No	6		
107	Wall-hung urinal division, 432 x 754 x 80mm toughened ESG safety glass complete with a corrosion-resistant mounting bracket, holder, cover and fasteners. RECE 4 OUTP 2	No	6		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Lecico or similar approved				
108	502 x 418mm "Atlas" Medical basin Code: ATLDUOMED0500UE with no tap hole and overflow on brackets mounted with wall bolts. MEDI 1 THEA 1 OUTP 2 RADI 1 MMC 1	No	6		
109	"Atlas" Cosmo wall-hung top-entry WC pan with brackets, and MDF double flap heavy duty seat (flush valve elsewhere) CRIS 1 CTOP 2 DENT 1 EMER 4 RECE 8 MATE 4 MEDI 1 THEA 3 OUTP 6 PHAR 1 SERV 4 RESA 8 GUAR 1 RADI 4 MMC 2 KITC 1	No	51		
110	"Atlas" BS60 wall-hung urinal with top entry spreader spreader, p-trap, waste union and wirquin extendable connector (flush valve elsewhere) CTOP 1 EMER 1 RECE 4 MEDI 1 THEA 1 OUTP 2 SERV 1 MMC 1	No	12		
	Letaba or similar approved				
111	900 x 900 x 150mm Enamel steel shower tray with waste outlet, bedded in position, code: L2 CRIS 1 CTOP 1 EMER 1 MATE 3 MEDI 3 THEA 3 SERV 3 MMC 1	No	16		
	Nueva Europa or similar approved enamelled steel baths				
112	1,700 x 700 x 2mm Code: N2 enamel steel bath with waste outlet, overflo grating with coupling, pair of handles and adjustable legss RESB 5	No	5		
	Vanity slabs				
113	600mm x 200mm granite top, 30mm thick granite colour Rustenburg with 20mm all exposed edges, fixed to supports (elsewhere specified) using dabs of 100% clear silicon adhesive at 200mm to 300mm centres along all supports with all joints filled with matching polyester resin glue in accordance to architects drawing no. W405. Surfaces to be sealed using and approved stone sealer CTOP 2 DENT 1 EMER 4 RECE 7 MATE 6 THEA 3 OUTP 3 SERV 2 RADI 3 MMC 2 RESB 8	m	41		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	WASTE UNIONS ETC				
	Cobra Watertech or similar approved				
114	32mm 303 CP basin waste union and 309 CP anti-theft plug	No	120		
	CRIS 1 CTOP 5 DENT 7 EMER 10 RECE 10 MATE 12 MEDI 13 THEA 7 OUTP 24 SERV 7 RADI 7 MMC 5 KITC 3 RESB 9				
115	40mm 316 CP bath or sink waste union	No	33		
	CRIS 1 CTOP 1 DENT 1 EMER 1 RECE 1 MATE 1 MEDI 1 THEA 1 OUTP 2 SERV 1 RESA 5 GUAR 1 RADI 1 MMC 1 KITC 7 FIRE 1 GAS 1 RESB 5				
	TRAPS, ETC				
	uPVC				
116	110mm P-trap	No	18		
	CTOP 1 EMER 2 MATE 2 MEDI 2 THEA 2 OUTP 1 MMC 1 KITC 4 FIRE 1 GAS 2				
	Cobra Watertech or similar approved				
117	75mm VA3.113 CP hinged urinal domical grating	No	5		
	CTOP 1 EMER 1 MEDI 1 THEA 1 MMC 1				
118	40mm 345/40 CP bottle trap with 75mm deep re seal and adjustable telescopic pipe	No	147		
	CRIS 2 CTOP 6 DENT 8 EMER 11 RECE 11 MATE 13 MEDI 14 THEA 8 OUTP 25 SERV 7 RESA 6 GUAR 1 RADI 8 MMC 7 KITC 4 FIRE 1 GAS 1 RESB 14				
119	40mm 370 Bath traps with 330mm combined bath waste and overflow	No	5		
	RESB 5				
	Rofo				
120	RO 200 V (H) NW 100 stainless steel floor trap with grating	No	10		
	CTOP 1 THEA 2 SERV 2 KITC 5				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	TAPS, VALVES, ETC				
	Manufactured by Rovic or similar approved				
121	50mm Threaded PVC ball valve	No	2		
	GSG 2				
	Brass				
122	22mm Fullway gate valve	No	10		
	MATE 4 MEDI 4 RADI 2				
123	40mm Fullway gate valve	No	5		
	RESB 5				
	Cobra Watertech or similar approved				
124	15mm 232/350 FCP angle regulating valve and flexible connection pipe	No	180		
	CRIS 4 CTOP 6 DENT 14 EMER 12 RECE 20 MATE 10 MEDI 17 THEA 11 OUTP 14 SERV 14 RESA 2 RADI 12 MMC 7 KITC 17 FIRE 1 GAS 1 RESB 18				
125	20mm 108-20RB bib-tap	No	10		
	OUTP 5 SERV 1 WAST 1 KITC 1 FIRE 1 GAS 1				
126	Star hose bib tap, chrome-plated, 1/2 inlet and 3/4 outlet. Includes: 3/4 wing nut & lining for 3/4 hose pipe				
	Tags:	No	2		
	KITC 2				
127	Ledimo sink mixer code: LO-226/041/10CP	No	25		
	CRIS 1 CTOP 1 DENT 1 EMER 1 RECE 1 MATE 1 MEDI 1 THEA 1 OUTP 2 SERV 1 RESA 5 GUAR 1 RADI 1 MMC 1 KITC 1 RESB 5				
128	FEAWALOM-0GT01 Medical basin mixer	No	6		
	MEDI 1 THEA 1 OUTP 3 RADI 1				
129	'Zambezi' single lever basin mixer	No	5		
	SERV 2 KITC 3				
130	'Carina' pillar sink mixer	No	3		
	KITC 3				
131	Code: 'FX100' flex supreme sink mixer	No	2		
	KITC 2				
	Carried to Collection			R	

		Unit	Quantity	Rate	Amount
132	'Zambezi' exposed single lever bath mixer with diverter Code: ZM-959	No	5		
	RESB 5				
133	15mm GA-652 Gala single lever basin mixer with chain, stay and 1/2" BSP femail inlets	No	3		
	KITC 3				
134	15mm Code: KP2-61/N Vandle-proof shower head CP, single function 1/2" BSP male inlets	No	1		
	RESB 1				
135	FJ6.000CP Flushmaster Junior urinal flush valve	No	12		
	CTOP 1 EMER 1 RECE 4 MEDI 1 THEA 1 OUTP 2 SERV 1 MMC 1				
136	Junior FJ2-210 CP Exposed for top entry toilet flush valve	No	43		
	CRIS 1 CTOP 2 DENT 1 EMER 4 RECE 8 MATE 4 MEDI 1 THEA 3 OUTP 6 SERV 4 RESA 8 KITC 1				
137	Replace defective aerator on tap	No	167		
	CRIS 2 CTOP 7 DENT 9 EMER 13 RECE 13 MATE 14 MEDI 16 THEA 15 OUTP 24 PHAR 2 SERV 10 RESA 26 GUAR 2 RADI 7 MMC 7				
138	15mm 505-21B Medical elbow action pillar tap	No	1		
	OUTP 1				
139	15mm 505-21R Medical elbow action pillar tap	No	1		
	OUTP 1				
	Hansgrohe or similar approved				
140	'Logis E' 70 CP basin mixer	No	10		
	EMER 1 MEDI 1 RESB 8				
141	'Decor' single lever basin CP basin mixer	No	1		
	RESB 1				
142	'Logis ' Code: 71609000 shower/bath mixer including concealed mixer installation CP	No	1		
	RESB 1				
	'Vulcan' or similar approved				
143	15mm 2714001 spray and mixer tap	No	1		
	KITC 1				
144	Code: 2613001 Overhead pre-rinse spray unit complete with support brackets - W/O H&C taps	No	1		
	KITC 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	SANITARY PLUMBING				
	uPVC soil and vent pipes				
145	50mm Pipes THEA 1 RESA 5 GSG 1 KITC 18 FIRE 2 GAS 2	m	29		
146	50mm Pipes chased into brickwork RESA 2 KITC 10 FIRE 2 GAS 2 RESB 8	m	24		
147	110mm Pipes EMER 2 MATE 1 MEDI 1 THEA 12 KITC 12 RESB 10	m	38		
148	50mm Pipes vertically or ramped to cleaning eyes etc. (no excavation) KITC 9 RESB 5	m	14		
149	110mm Pipes vertically or ramped to cleaning eyes etc. (no excavation) KITC 6 RESB 5	m	11		
150	50mm Pipes laid in and inlcuding trenches not exceeding 1m deep KITC 10	m	10		
151	110mm Pipes laid in and inlcuding trenches not exceeding 1m deep KITC 6 RESB 50	m	56		
	Extra over uPVC soil and vent pipes for fittings				
152	110mm Reducer RESB 19	No	19		
153	110mm Pan connector EMER 1 MATE 1 MEDI 1 THEA 2 KITC 1 RESB 8	No	14		
154	110mm Access bend RECE 4 THEA 2 KITC 6 RESB 6	No	18		
155	110mm Access junction RESB 6	No	6		
156	110mm Bend THEA 2 KITC 6	No	8		
157	110mm Access bend with anti-syphon horn KITC 1	No	1		
158	50mm Bend RESA 2 GSG 1 KITC 20 FIRE 3 GAS 3 RESB 5	No	34		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
159	50mm Junction RESB 6	No	6		
160	50mm Access bend THEA 1 RESA 2 KITC 10 FIRE 3 GAS 3 RESB 8	No	27		
161	50mm Air vent cowl KITC 10	No	10		
162	110mm Air vent cowl KITC 6 RESB 5	No	11		
163	Caulk and fill with cement existing 110mm drain up to underside tile finish CTOP 1 EMER 2 MATE 2 MEDI 2 THEA 2 MMC 1	No	10		
	Testing				
164	Testing waste pipe system Un/A 1	Item			
	WATER SUPPLIES				
	Class 10 Hdpe type IV pipes				
165	20mm Pipes laid in and including trenches not exceeding 1m deep KITC 79 FIRE 30 GAS 30 RESB 50	m	189		
	Extra over Class 10 Hdpe type IV pipes for plasson fittings				
166	20mm Fittings KITC 9 FIRE 5 GAS 5 RESB 15	No	34		
167	63mm Reducer KITC 2 FIRE 1 GAS 1 RESB 5	No	9		
	Galvanised steel pipes with screwed and socketed joints				
168	25mm Pipes KITC 4 RESB 10	m	14		
	Extra over galvanised steel pipes with screwed and socketed joints for steel fittings				
169	25mm Fittings KITC 4 RESB 6	No	10		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Class 1 copper pipes with capillary couplings				
170	15mm Pipes chased into brickwork including brown paper lagging	m	393		
	MATE 72 MEDI 69 RADI 36 KITC 19 RESB 197				
171	22mm Pipes	m	580		
	MATE 154 MEDI 158 RADI 86 KITC 20 FIRE 1 GAS 1 RESB 160				
172	22mm Pipes chased into brickwork including brown paper lagging	m	280		
	MATE 54 MEDI 57 RADI 18 KITC 86 RESB 65				
173	28mm Pipes	m	88		
	MATE 71 MEDI 17				
174	28mm Pipes chased into brickwork including brown paper lagging	m	12		
	MATE 6 MEDI 6				
175	35mm Pipes chased into brickwork including brown paper lagging	m	6		
	RADI 6				
	Extra over class 1 copper pipes for capillary fittings				
176	15mm Fittings	No	272		
	MATE 48 MEDI 48 RADI 24 KITC 22 RESB 130				
177	22mm Fittings	No	528		
	MATE 125 MEDI 128 RADI 52 KITC 39 FIRE 3 GAS 3 RESB 178				
178	28mm Fittings	No	32		
	MATE 14 MEDI 18				
179	35mm Bush	No	1		
	RADI 1				
180	35mm Elbow	No	1		
	RADI 1				
	Extra over class 1 copper pipes for galvanised steel fittings				
181	15mm Fittings.	No	42		
	KITC 22 RESB 20				
182	22mm Fittings.	No	15		
	KITC 3 RESB 12				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Sundries				
183	375 x 300 x 45kg Cast iron stopcock box including brick chamber below 150mm deep internally KITC 6 FIRE 1 GAS 1 RESB 5	No	13		
	Testing				
184	Testing water pipe system Un/A 1	Item			
	ELECTRIC WATER HEATERS				
	Manufactured by Kwikot or similar approved				
185	100 Litre floor/wall electric water heater RADI 1	No	1		
186	150 Litre floor/wall electric water heater. MATE 2 MEDI 2	No	4		
	FIRE APPLIANCES ETC				
	Hose reels, etc.				
187	30m Rubber hose pipe CRIS 1 CTOP 1 DENT 1 EMER 1 RECE 2 MATE 1 MEDI 1 THEA 2 OUTP 2 PHAR 1 SERV 2 RESA 4 RADI 1 MMC 1	No	21		
188	'Everyway' or similar approved hose reel complete with 30m rubber hose, chromium plated stopcock, shut-off nozzole and wall bracket. OUTP 2 SERV 2 KITC 2 RESB 2	No	8		
189	'Fire-Quip' or similar approved open back steel hose reel cabinet size 800 x 800 x 300mm with cylinder lock with two keys, one fitted behind a break glass unit on front of cabinet with 'Fire/Brand' sign CRIS 1 CTOP 1 DENT 1 EMER 1 RECE 2 MATE 1 MEDI 1 THEA 2 OUTP 2 PHAR 1 SERV 2 RESA 4 RADI 1 MMC 1 KITC 2	No	23		
190	4,5kg dry chemical powder fire extinguisher CRIS 2 CTOP 2 DENT 2 EMER 2 RECE 4 MATE 2 MEDI 2 THEA 4 OUTP 4 PHAR 2 SERV 4 RESA 8 RADI 2 MMC 2 KITC 4 RESB 4	No	50		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
191	9kg dry chemical powder fire extinguisher	No	2		
	FIRE 1 GAS 1				
192	'Medhold' or similar approved manual trolley washer unit with wall-mounted spray gun unit, complete with 4m reinforced rubber hose, storage rack and adjustable spray-gun, chromium plated stopcock, nozzle and wall bracket (code: 478 72 75-01)	No	1		
	KITC 1				
193	"Wap South Africa" or similar approved Wall monunted cold water pressure pump unit code: HPU 850 size 810 x 520 x 945mm	No	1		
	SERV 1				
	PIPE INSULATION				
	20mm Thick thermaflex or similar pipe insulation				
194	Insulation to 22mm pipes including couplings	m	1 430		
	DENT 12 EMER 114 RECE 35 MATE 222 MEDI 142 THEA 105 OUTP 278 PHAR 10 SERV 73 RESA 320 RADI 99 KITC 20				
195	Insulation to 28mm pipes including couplings	m	291		
	CRIS 5 CTOP 75 DENT 2 RECE 5 MEDI 21 THEA 102 PHAR 3 RADI 3 MMC 75				
196	Insulation to 35mm pipes including couplings	m	199		
	RECE 50 SERV 51 RESA 98				
197	Insulation to 42mm pipes including couplings	m	60		
	SERV 34 RESA 26				
198	Insulation to 15mm pipes including couplings	m	261		
	RECE 66 OUTP 138 SERV 57				
	Extra over pipe insulation for insulation around				
199	22mm Fittings, valves, etc.	No	745		
	CRIS 6 CTOP 12 DENT 12 EMER 62 RECE 33 MATE 44 MEDI 26 THEA 42 OUTP 46 PHAR 10 SERV 79 RESA 308 RADI 38 MMC 12 KITC 15				
200	28mm Fittings, valves, etc.	No	121		
	CRIS 8 CTOP 29 DENT 2 THEA 47 PHAR 3 RADI 3 MMC 29				
201	35mm Bend	No	59		
	EMER 1 OUTP 10 SERV 30 RESA 18				
	Carried to Collection			R	

		Unit	Quantity	Rate	Amount
202	35mm Tee EMER 1 OUTP 22 SERV 14 RESA 32	No	69		
203	42mm Tee RESA 4	No	4		
204	42mm Threaded elbow RESA 12	No	12		
205	15mm Fittings, valves, etc. RECE 52 OUTP 61 SERV 59	No	172		
206	35mm Valve RECE 1 OUTP 1	No	2		
207	42mm Tee SERV 6	No	6		
	Carried to Collection			R	

BILL NO. 16

PLUMBING AND DRAINAGE

COLLECTION

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			Amount
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Carried To Section Summary		R	

	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 17

GLAZING

(CPAP WORK GROUP NO. 150 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

Float glass

The term 'float glass' is used for monolithic annealed glass

Laminated glass

Laminated glass to have polyvinyl butyral (PVB) interlayer(s)

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	GLAZING TO ALUMINIUM WITH CLIP-ON BEADS (BEADS ELSEWHERE)				
	6mm Normal strength (NS) clear laminated safety glass				
1	Panes exceeding 0,5m² and not exceeding 2m² CRIS 1 MATE 1 OUTP 3 SERV 2 MMC 1	m²	8		
2	Panes exceeding 0,1m² and not exceeding 0,5m² OUTP 1	m²	1		
	Sundries				
3	Permanently mark existing glass panels with glass code CRIS 23 CTOP 28 DENT 46 EMER 45 RECE 70 MATE 69 MEDI 67 THEA 76 OUTP 132 PHAR 58 SERV 70 RESA 136 GUAR 12 RADI 34 MMC 28	No	894		
	TOPS, SHELVES, DOORS, MIRRORS, ETC				
	4mm Silvered float glass copper backed mirrors with polished edges, holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete				
4	Mirror 450 x 600mm high with 4 screws CRIS 1 CTOP 2 DENT 7 EMER 11 RECE 10 MATE 6 MEDI 7 THEA 4 OUTP 8 PHAR 1 SERV 6 RADI 5 MMC 3 KITC 1 FIRE 1 GAS 1 RESB 9	No	83		
5	Mirror 800 x 800mm high with 4 screws MATE 2 MEDI 3	No	5		
	Carried to Collection			**R**	

		Amount
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GLAZING		
COLLECTION		
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	Unit	Quantity	Rate	Amount

SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

BILL NO. 18

PAINTWORK

(CPAP WORK GROUP NO. 152 UNLESS OTHERWISE STATED)

Key:	Location Description:
Un/A	Unallocated
CRIS	Crisis Control
CTOP	CTOP
DENT	Dental
EMER	Emergency
RECE	Reception
MATE	Maternity
MEDI	Medical
THEA	Theatre
OUTP	Out Patient
PHAR	Pharmacy
SERV	Service Building
RESA	Residence Block A
GUAR	Guard House
RADI	Radiology
MMC	MMC
WAST	Medical Waste
WATE	Water pump room
GSG	Garden Store & Gas
KITC	Kitchen
FIRE	Fire pump room
GAS	Gas bottle storage
RESB	Residence Block B
GENB	Generator Building
INVE	Inverter Station

SUPPLEMENTARY PREAMBLES

Painting, etc.

All painting shall be done in accordance with manufactures specifications unless otherwise described

PREPARATORY WORK TO EXISTING WORK

Previously painted plastered surfaces

Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth

Carried to Collection **R**

		Unit	Quantity	Rate	Amount
	Previously painted metal surfaces				
	Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal				
	Previously painted wood surfaces				
	Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth				
	COLOURS				
	Colours, etc.				
	Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091				
	ON EXTERNAL FLOATED PLASTER SURFACES				
	One coat alkali resistant primer and two coats extremely durable UV-resistant washable pure acrylic emulsion sheen paint with Teflon				
1	Walls	m²	525		
	MATE 2 MEDI 2 RESA 10 GSG 11 KITC 322 FIRE 27 GAS 6 RESB 138 INVE 7				
	ON INTERNAL GYPSUM PLASTER SURFACES				
	One coat primer and two coats premium quality ultra matt, fully washable and stain resistant acrylic emulsion paint for interior use				
2	Walls	m²	1 377		
	DENT 9 RECE 90 THEA 346 OUTP 27 PHAR 12 SERV 3 RESB 818 GENB 72				
3	Ceilings and beams	m²	860		
	RECE 26 THEA 280 RADI 122 FIRE 27 RESB 405				
	ON SMOOTH CONCRETE SURFACES				
	One coat alkali resistant primer and two coats PVA emulsion paint for interior use, including stopping blow holes				
4	Walls and columns	m²	13		
	RECE 7 OUTP 6				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
5	Window sills	m²	94		
	CRIS 3 CTOP 3 DENT 5 EMER 6 RECE 9 MATE 5 MEDI 3 THEA 7 OUTP 4 PHAR 4 SERV 8 RESA 23 GUAR 1 RADI 4 MMC 3 WAST 1 KITC 4 FIRE 1				
6	Copings	m²	552		
	CRIS 9 CTOP 8 DENT 30 EMER 36 RECE 84 MATE 38 MEDI 32 THEA 30 OUTP 42 PHAR 37 SERV 78 GUAR 9 RADI 26 MMC 8 WATE 2 GSG 11 KITC 41 FIRE 3 GAS 13 GENB 15				
	One epoxy floor paint for interior and exterior use, including stopping blow holes				
7	Thresholds	m²	27		
	CRIS 1 CTOP 1 DENT 1 EMER 1 RECE 3 MATE 1 MEDI 1 THEA 1 OUTP 1 PHAR 1 SERV 1 RESA 10 GUAR 1 RADI 1 MMC 1 WATE 1				
8	Floors	m²	28		
	WAST 28				
	ON FIBRE-CEMENT BOARD SURFACES				
	One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use				
9	Ceilings and cornices, including priming metal cover strips and nailheads	m²	163		
	WATE 27 GSG 75 FIRE 61				
10	Fascias and barge boards not exceeding 300mm girth, including priming metal jointing strips	m	795		
	CRIS 31 CTOP 39 EMER 56 MATE 75 MEDI 58 THEA 112 OUTP 6 SERV 9 RESA 164 RADI 47 MMC 39 WATE 16 GSG 27 FIRE 39 RESB 77				
11	Sills not exceeding 300mm girth	m	61		
	CTOP 1 MEDI 2 MMC 1 WAST 1 KITC 14 FIRE 5 RESB 36 GENB 1				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	ON METAL SURFACES				
	One coat water based primer and two coats premium quality polyurethane enamel paint, on galvanised steel				
12	Doors	m²	17		
	THEA 4 KITC 6 FIRE 7				
13	Door frames	m²	106		
	DENT 1 RECE 1 MATE 38 MEDI 4 THEA 7 OUTP 2 PHAR 2 RESA 4 KITC 19 FIRE 4 RESB 24				
14	Gates, grilles, burglar screens, balustrades, etc. (both sides measured over the full flat area)	m²	405		
	SERV 70 GUAR 46 WAST 17 GSG 51 KITC 70 FIRE 11 GAS 41 RESB 98 GENB 1				
15	Eaves gutters	m²	449		
	CRIS 20 CTOP 24 EMER 29 RECE 27 MATE 44 MEDI 34 THEA 31 OUTP 55 SERV 28 RESA 47 GUAR 3 RADI 22 MMC 24 WATE 7 GSG 8 KITC 3 FIRE 13 GAS 6 RESB 24				
16	Rainwater downpipes	m²	199		
	CRIS 7 CTOP 9 DENT 14 EMER 10 RECE 18 MATE 10 MEDI 10 THEA 11 OUTP 21 PHAR 13 SERV 9 RESA 22 GUAR 2 RADI 15 MMC 9 WATE 2 GSG 2 FIRE 3 GAS 1 RESB 11				
17	Flashings and counter flashings	m²	427		
	CRIS 2 CTOP 2 DENT 8 EMER 10 RECE 92 MATE 7 MEDI 6 THEA 15 OUTP 90 PHAR 9 SERV 43 RESA 102 GUAR 1 RADI 13 MMC 2 WAST 9 WATE 2 GSG 5 KITC 9				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
18	Rails, bars, pipes, etc. not exceeding 300mm girth CRIS 1 CTOP 1 DENT 1 EMER 1 RECE 3 MATE 1 MEDI 1 THEA 1 OUTP 6 PHAR 1 RESA 6 GUAR 1 RADI 1 MMC 1 WAST 1 GSG 1 KITC 15 FIRE 2 RESB 2	m	47		
	ON WOOD SURFACES				
	One coat primer and two coats premium quality polyurethane enamel paint				
19	Doors CRIS 13 CTOP 6 DENT 3 EMER 8 RECE 168 MEDI 14 THEA 16 OUTP 126 RESA 46 RADI 24 KITC 36 FIRE 4 RESB 95 GENB 8	m²	567		
20	Door frames etc. SERV 3 RESA 18 RESB 4	m²	25		
21	Cornices, rails, etc. not exceeding 300mm girth CRIS 83 CTOP 156 EMER 231 RECE 479 MATE 2332 MEDI 240 THEA 444 OUTP 620 SERV 434 RESA 784 RADI 179 MMC 137 KITC 30 FIRE 55	m	6 204		
22	Roof timbers at eaves and verges RECE 178 WATE 3 GSG 48	m²	229		
	Three coats superior quality clear gloss varnish				
23	Open slatted worktops, seats, etc. of 114 x 50mm slats at 114mm centres (both sides measured over the full flat area) SERV 6	m²	6		
	Two coats superior quality clear matt varnish, on work in sound condition				
24	Skirtings, rails, etc. not exceeding 300mm girth RECE 244 THEA 12 OUTP 254 SERV 139 GUAR 2 KITC 55 RESB 270	m	976		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK				
	ON INTERNAL FLOATED PLASTER SURFACES				
	One coat primer and two coats premium quality ultra matt, fully washable and stain resistant acrylic emulsion paint for interior use				
25	Walls	m²	149		
	RECE 88 OUTP 33 SERV 28				
	Two coats extremely durable UV-resistant washable pure acrylic emulsion sheen paint, on work in sound condition				
26	Walls	m²	8 988		
	CRIS 247 CTOP 296 DENT 348 EMER 621 RECE 824 MATE 792 MEDI 682 OUTP 1717 PHAR 342 SERV 614 RESA 1636 GUAR 7 RADI 545 MMC 296 WAST 21				
	Two coats "Dekro Mediflex" or similar approved high gloss single pack waterborne polyurethane based paint with hygiene functionality, on work in sound condition				
27	Walls	m²	1 433		
	THEA 1433				
	ON EXTERNAL TEXTURED PLASTER SURFACES				
	Two coats "Plascon" fibre seal, one coat "Plascon" PTX 1400 and two coats "Plascon" professional low sheen				
28	Walls	m²	3 884		
	CRIS 78 CTOP 111 DENT 121 EMER 306 RECE 667 MATE 456 MEDI 316 THEA 291 OUTP 276 PHAR 171 SERV 253 RESA 317 GUAR 28 RADI 231 MMC 111 WAST 22 WATE 23 GSG 85 FIRE 21				
	ON INTERNAL GYPSUM PLASTER SURFACES				
	Two coats superior quality acrylic emulsion paint for interior and exterior use, on work in sound condition				
29	Ceilings and cornices	m²	1 867		
	CRIS 62 CTOP 104 DENT 130 EMER 93 RECE 302 MATE 110 MEDI 107 THEA 116 OUTP 290 PHAR 163 SERV 181 GUAR 59 RADI 46 MMC 94 WAST 10				
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
30	Partitions RECE 146 **ON FIBRE-CEMENT BOARD SURFACES** **Two coats enamel paint, on work in sound condition**	m²	146		
31	Sills not exceeding 300mm girth CRIS 8 CTOP 10 DENT 19 EMER 18 RECE 33 MATE 25 MEDI 9 THEA 23 OUTP 46 PHAR 19 SERV 26 RESA 37 GUAR 1 RADI 13 MMC 10	m	297		
32	Fascias and barge boards not exceeding 300mm girth RECE 29 OUTP 87 SERV 50 **ON METAL SURFACES** **Two coat superior quality universal enamel paint, on work in sound condition**	m	166		
33	Gates, grilles, burglar bars, etc. (both sides measured over the full flat area) CRIS 19 EMER 14 MATE 58 MEDI 18 RESA 196 GUAR 1 GSG 61 **Spot priming bare metal surfaces, two coats superior quality universal enamel paint, on work in poor condition**	m²	367		
34	Doors WAST 3 WATE 7 GSG 20	m²	30		
35	Door frames CRIS 4 CTOP 13 DENT 14 EMER 22 RECE 35 MATE 22 MEDI 20 THEA 30 OUTP 51 PHAR 12 SERV 14 RESA 37 GUAR 2 RADI 15 MMC 13 WAST 1 WATE 2 GSG 6 **Two coats alkyd based universal undercoat and one coat superior quality universal enamel paint, on work in sound condition**	m²	313		
36	Columns and beams RECE 32 **Two coats superior quality universal enamel paint, on work in sound condition**	m²	32		
37	Rainwater downpipes. PHAR 6	m²	6		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
38	Gates, grilles, burglar bars, etc. (both sides measured over the full flat area) PHAR 54	m²	54		
	ON WOOD SURFACES.				
	Spot priming bare wood surfaces, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint, on work in poor condition				
39	Doors CTOP 41 DENT 34 EMER 90 RECE 27 MATE 96 MEDI 77 THEA 103 PHAR 42 RESA 125 GUAR 7 RADI 48 MMC 47	m²	737		
40	Cornices, rails, etc. not exceeding 300mm girth CRIS 56 CTOP 123 EMER 91 MATE 104 MEDI 79 THEA 106 RADI 68 MMC 107	m	734		
	Two coats superior quality clear gloss varnish, on work in poor condition				
41	Skirtings, rails, etc. not exceeding 300mm girth RESA 486	m	486		
	Carried to Collection			**R**	

BILL NO. 18

PAINTWORK

COLLECTION

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SECTION NO. 2

PROVISIONAL BILLS OF QUANTITIES

SECTION SUMMARY

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4	PRECAST CONCRETE	223	
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Section No. 2
SECTION SUMMARY

SECTION NO. 3

EXTERNAL WORKS

		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 1				
	SOIL DRAINAGE				
	SOIL DRAINAGE (CPAP WORK GROUP NO. 146)				
	PREAMBLES				
	For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.				
	Excavation, etc. for soil drainage				
1	Excavation in earth not exceeding 1m deep for pipe trenches	m³	9		
2	Excavation in earth exceeding 1m and not exceeding 2m deep for pipe trenches	m³	350		
3	Excavation in earth exceeding 2m and not exceeding 3m deep for pipe trenches	m³	414		
4	Excavation in earth exceeding 3m and not exceeding 4m deep for pipe trenches	m³	378		
5	Excavation in earth not exceeding 1m deep around existing mahole, remove precast concrete mahole ring, backfill, cover and compact	No	2		
6	Excavation in earth exceeding 1m and not exceeding 2m deep around existing mahole, remove precast concrete mahole ring, backfill, cover and compact	No	22		
7	Excavation in earth exceeding 2m and not exceeding 3m deep around existing mahole, remove precast concrete mahole ring, backfill, cover and compact	No	7		
8	Excavation in earth exceeding 3m and not exceeding 4m deep around existing mahole, remove precast concrete mahole ring, backfill, cover and compact	No	6		
9	Backfilling (Original top soil) to pipe trenches compacted to 90% Mod AASHTO density	m³	150		
10	Selected granular filling (Class II) in filling around pipes	m³	616		
11	Selected granular filling (Class I) in filling around pipes	m³	190		
12	Gravel-soil material in bedding under and filling around pipes	m³	50		
13	13mm Crushed stone bedding below pipes	m³	172		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
14	Bidum U34 geofabric filter blanket wrapped around stone encasing with 200mm end laps, including stitching	m²	1 616		
15	Provide the sum of R60,000.00 for pipe jacking under covered walkway	Item			
	Heavy duty (Class 32) uPVC sewer and drain pipes				
16	110mm Pipes laid in trenches (trenches eslewhere)	m	68		
17	160mm Pipes laid in trenches (trenches eslewhere)	m	848		
	Extra over heavy duty (Class 34) PVC-U sewer and drain pipes for fittings				
18	110mm Junction	No	1		
19	160mm Bend	No	14		
20	160mm Junction	No	4		
21	160mm Access reducing junction	No	5		
22	160mm Rodding eye	No	14		
	"Herbish" or similar approved grease traps				
23	SS Grease trap code: HB GT 2L/Sec	No	1		
	Brick inspection chambers including benching (covers and channels elsewhere)				
24	Excavate for and build inspection chamber size 620 x 620mm not exceeding 1,0m deep internally, formed of 150mm thick cement concrete (25MPa) bottom projecting 75mm all round, mass concrete (15Mpa) benching, hard burnt one brick sides with galvanised brickforce between each course, rendered internally in 1:3 cement plaster, 1840 x 1,840mm overall x 200mm thick (25Mpa) reinforced concrete cover slab including reinforcing, rebating for and fitted with mild steel angle frame and grating (frame and grating elsewhere) in accordance with SABS 558, bedded in 1:3 cement mortar and sealed in tallow, including all necessary fittings, excavations, formwork, holes through sides for pipes etc as per grease trap chamber detail on Architects Drawing No. W413 accompanying these Bills of Quantities.	No	2		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
25	Excavate for and build inspection chamber size 1,840 x 1,840 x exceeding 1,0m and not exceeding 2,0m deep internally, formed of 150mm thick cement concrete (25MPa) bottom projecting 75mm all round, mass concrete (15Mpa) benching, hard burnt one brick sides with galvanised brickforce between each course, rendered internally in 1:3 cement plaster, 1840 x 1,840mm overall x 200mm thick (25Mpa) reinforced concrete cover slab including reinforcing, rebating for and fitted with mild steel angle frame and grating (frame and grating elsewhere) in accordance with SABS 558, bedded in 1:3 cement mortar and sealed in tallow, including all necessary fittings, excavations, formwork, holes through sides for pipes etc as per Stormwater Catchpit detail on Engineers Drawing No. 11004-2 NW - 500 - 101 accompanying these Bills of Quantities.	No	3		
26	Excavate for and build grease trap chamber size 2,140 x 1,340 x exceeding 1,0m and not exceeding 2,0m deep internally, formed of 150mm thick cement concrete (25MPa) bottom projecting 75mm all round, mass concrete (15Mpa) benching, hard burnt one brick sides with galvanised brickforce between each course, rendered internally in 1:3 cement plaster, 2,140 x 1,340mm overall x 200mm thick (25Mpa) reinforced concrete cover slab including reinforcing, rebating for and fitted with mild steel angle frame and grating (frame and grating elsewhere) in accordance with SABS 558, bedded in 1:3 cement mortar and sealed in tallow, including all necessary fittings, excavations, formwork, holes through sides for pipes etc as per grease trap chamber detail on Architects Drawing No. W413 accompanying these Bills of Quantities.	No	1		
27	1,220 x 1,220 x 150mm Thick medium duty precast concrete cover slab with 900mm rebated opening for cover and frame and finished smooth on exposed surfaces with cement plaster, including formwork and reinforcement	No	3		
	<u>Pre-cast concrete covers etc.</u>				
28	Type 2A manhole cover and frame	No	3		
	Carried to Collection			**R**	

Section No. 3
Bill No. 1
Soil Drainage

		Unit	Quantity	Rate	Amount
	Excavate in earth for and including Precast concrete circular inspection chambers formed of 1,28m diameter x 260mm thick 20MPa/19mm mass concrete bottom with inspection chamber shaft formed of 1m diameter (internal) precast concrete rings with joints sealed with bituminous putty with and including precast concrete cover slab 175mm thick and precast concrete spacer slab with opening for and including heavy duty road type manhole cover and frame as type 4 set in cement mortar and sealed in tallow and with fine mass concrete benching in bottom floated smooth with falls to and including 150mm vitrified clay channels and finished on all exposed surfaces with 25mm thick granolithick with angles rounded including all necessary step iron, etc.				
29	1,000mm Diameter inspection chamber not exceeding 1m deep internally	No	2		
30	1,000mm Diameter inspection chamber exceeding 1m and not exceeding 2m deep internally	No	22		
31	1,000mm Diameter inspection chamber exceeding 2m and not exceeding 3m deep internally	No	7		
32	1,000mm Diameter inspection chamber exceeding 3m and not exceeding 4m deep internally	No	6		
	Cast iron covers etc				
33	380 x 380mm CI grating and frame type: Saint Gobain code: 2980 or similar approved	No	1		
34	380 x 380mm CI grating and frame type: Saint Gobain code: 2030 or similar approved	No	1		
35	870 x 950mm x 4,5mm GS lockable vastrap cover and frame	No	2		
	Sundries				
36	Extra over excavation in earth for pipe trenches, chambers, etc. for excavation in soft rock	m^3	114		
37	Extra over excavation in earth for pipe trenches, chambers, etc. for excavation in hard rock	m^3	57		
38	Extra over excavation for pipe trenches, chambers, etc. for carting away surplus material to a dumping site to be located by the contractor	m^3	969		
39	Excavate not exceeding 1m deep for, locate, take up and remove 110mm soil drain pipe	m	32		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
40	Excavate not exceeding 1m deep for, locate, take up and remove 160mm soil drain pipe	m	568		
41	Hole through side of existing precast concrete manhole for pipe exceeding 200mm and not exceeding 300mm diameter and make good	No	1		
42	Cutting into existing 160mm drain pipe for and forming junction with 110mm pipe	No	4		
43	Cutting into side of existing inspection chamber for and connecting 160mm pipe, including inserting 160mm channel junction and making good concrete benching	No	2		
	Testing				
44	Testing soil drainage system	Item			
	Carried to Collection			**R**	

BILL NO. 1

SOIL DRAINAGE

COLLECTION

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		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 2				
	ROADWORKS, PARKING AREAS AND PAVING				
	PREAMBLES				
	For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.				
	DEMOLITIONS				
	Take from stockpile precast concrete paving and reinstate in similar position. (removal and setting aside elsewhere)				
1	60mm Thick interlocking concrete paving and relay on and including 20mm sand bed, including treatment with weed killer with dry filler sand swept and vibrated into joints all laid on subgrade (elsewhere measured) conforming to SABS 1200D degree of accuracy I	m²	62		
	Carefully take up, set aside, storing for later reuse and including relaying:				
2	80mm Thick interlocking concrete paving and relay on and including 20mm sand bed, including treatment with weed killer with dry filler sand swept and vibrated into joints all laid on subgrade (elsewhere measured) conforming to SABS 1200D degree of accuracy I.	m²	4 205		
3	60mm Thick interlocking concrete paving and relay on and including 20mm sand bed, including treatment with weed killer with dry filler sand swept and vibrated into joints all laid on subgrade (elsewhere measured) conforming to SABS 1200D degree of accuracy I.	m²	583		
4	60mm Thick concrete corbels and relay on and including 20mm sand bed, including treatment with weed killer with dry filler sand swept and vibrated into joints all laid on subgrade (elsewhere measured) conforming to SABS 1200D degree of accuracy I.	m²	59		
5	Garden kerb Fig 12	m	33		
6	Fair circular cutting and waste to paving	m	648		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Breaking up and removing existing precast concrete kerbs including benching etc.				
7	75 x 150mm Pre-cast concrete kerb and relay including bedded on and including 10Mpa/19mm unreinforced concrete minimum 50mm thick bedding and jointed in (3:1) cement mortar and flush pointed on exposed faces, including 15MPa/19mm unreinforced concrete haunching at back of each joint, excavation, backfilling, ramming, etc.	m	588		
8	150 x 300mm Pre-cast concrete kerb and relay including bedded on and including 10Mpa/19mm unreinforced concrete minimum 50mm thick bedding and jointed in (3:1) cement mortar and flush pointed on exposed faces, including 15MPa/19mm unreinforced concrete haunching at back of each joint, excavation, backfilling, ramming, etc.	m	462		
	Excavation in earth				
9	Not exceeding 2m deep over site between buildings, retaining walls, etc to reduce levels and dispose in prescribed stock piles on site	m^3	10		
	EARTH FILLING, ETC (CPAP Work Group No 104)				
	Earth filling supplied by the contractor under parking areas, roadways, etc.				
10	Sub-base course of C4 material in accordance with SABS 1200 DM, compacted to 97% Mod AASHTO density	m^3	741		
11	Extra over subbase or base course of natural gravel material for stabilisation with 3% lime or portland cement (by volume) and compacting to 95% Mod AASHTO density	m^3	631		
12	Base course of G6 natural gravel material, compacted to 96% Mod AASHTO density	m^3	34		
	Coarse river sand filling supplied by the contractor				
13	Under floors etc.	m^3	443		
	Compaction of surfaces				
14	Compaction of ground surface s under pavings etc, including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m^2	5 183		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
15	Rip up and scarify surfaces of previously prepared ground level (under previous contract) to a depth of 150mm and compact to 95% Mod AASHTO density	m²	4 205		
	Weed killer (active ingredients Metalaclor 102,8 g/l, Terbitilasien 248,6 g/l and atrazine 248,6 g/l) mixed in the proportion of 100 ml weed killer to 100 l water and applied at a rate of 10 l/m²				
16	Over paving etc.	m²	5 482		
17	Under paving etc.	m²	6 455		
	40MPa/19mm reinforced concrete				
18	Paving to parking areas, roadways, etc in panels between construction joints etc	m³	11		
	Finishing top surfaces of concrete with a power float and a coarse hard grass broom				
19	Paving to parking areas, roads, etc to falls	m²	225		
	Fabric reinforcement				
20	Type 395 fabric reinforcement in concrete paving etc	m²	225		
	Paving of 25Mpa Technicrete or similar approved concrete cobbles paver colour Tan, size 116 x 116 x 55mm thick, laid in accordance with SANS 1200 MJ and CMA Concrete Block Paving Manuals on and including 20mm thick river sand bed with dry filler sand swept and vibrated into joints including treatment with weed killer, all laid on subgrade (elsewhere measured) conforming to SABS 1200D degree of accuracy I:				
21	Paving to sidewalks and pathways to falls.	m²	110		
	80mm Thick 25MPa precast concrete interlocking block paving of Type S-A grey paving blocks in accordance with SANS 1058, laid to falls on and including 25mm thick sand layer with joints filled in with sand, compacted with a vibration compactor				
22	Paving to parking areas etc. to falls	m²	81		
	Precast concrete finished smooth on exposed surfaces, including bedding, jointing and pointing				
23	75 x 150mm High kerbs (SA N S 927 fig 12) with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint , circular on plan exceeding 4m radius , formed with straight kerbs, including excavation, backfilling, etc	m	297		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
24	75 x 150mm High kerbs (SA N S 927 fig 12) 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 kerbs, including excavation, backfilling, etc	m	5		
25	75 x 150mm High kerbs (SANS 927 fig 12) with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint, including excavation, backfilling, etc.	m	395		
26	150 x 300mm High kerbs (SA N S 927 fig 3) with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint , circular on plan exceeding 4m radius , formed with straight kerbs, including excavation, backfilling, etc	m	326		
27	150 x 300mm High kerbs (SA N S 927 fig 3) 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 kerbs, including excavation, backfilling, etc	m	20		
28	150 x 300mm High kerbs (SANS 927 fig 3) with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint, including excavation, backfilling, etc.	m	263		
	"Lovisa Concrete" or similar approved precast				
29	700 x 700 x 50mm concrete piece tree ring grid ring	No	4		
	ROAD SIGNS				
	Fix firmly into position loose/shaking signage				
30	Existing steel post anchored to base with bolts (refer to architect's drawing no. W101).	No	10		
31	Existing steel frame anchored to steel post with bolts (refer to architect's drawing no. W101).	No	10		
	Road signs				
32	ROAD DIRECTIONAL sign with two 80mm diameter x 4mm thick galvanised mild steel tubular section sign support posts 2,600mm high overall with closed ends, welded to 120 x 10mm thick base plate, bolted to and including unreinforced concrete base size 1,921 x 600 x 450mm deep, including any necessary excavation, paint finish, etc. complete with 1,921 x 800mm high signage overall as detailed on architect's drawing no. W101 & 402	No	8		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
33	Standard STOP sign with 50mm diameter galvanised mild steel post bedded in and including unreinforced concrete base, including any necessary excavation, paint finish, etc.	No	8		
34	Standard SPEED LIMIT sign with 50mm diameter galvanised mild steel post bedded in and including unreinforced concrete base, including any necessary excavation, paint finish, etc.	No	9		
35	Standard PROCEED STRAIGHT ONLY sign with 50mm diameter galvanised mild steel post bedded in and including unreinforced concrete base, including any necessary excavation, paint finish, etc.	No	4		
36	Standard NO PARKING ZONE sign with 50mm diameter galvanised mild steel post bedded in and including unreinforced concrete base, including any necessary excavation, paint finish, etc.	No	10		
37	Standard PARAPLEGIC PARKING sign with 50mm diameter galvanised mild steel post bedded in and including unreinforced concrete base, including any necessary excavation, paint finish, etc.	No	7		
	External signage				
38	OPERATIONAL sign with two150mm diameter x 4mm thick galvanised mild steel tubular section sign support posts 2,437mm high overall with closed ends, welded to 10mm thick base plate cut to shape of sign, bolted to and including unreinforced concrete base size 1,600 x 600 x 450mm deep, including any necessary excavation, paint finish, etc. complete with 1,020 x 2,437mm high signage overall in accordance with sign 01 as detailed on architect's drawing no. W401 and W402	No	1		
39	DIRECTIONAL sign with two 50mm diameter x 5mm thick galvanised mild steel tubular section sign support posts 2,122mm high overall with closed ends, complete with 16mm diameter solid mild steel ties, welded to 120 x 10mm thick base plate, bolted to and including unreinforced concrete base size 1,000 x 400 x 450mm deep, including any necessary excavation, paint finish, etc. complete with 820 x 1,757mm high signage overall in accordance with sign 03 as detailed on architect's drawing no. W401 and W402	No	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
40	DIRECTIONAL sign with two 50mm diameter x 5mm thick galvanised mild steel tubular section sign support posts 2,037mm high overall with closed ends, complete with 16mm diameter solid mild steel ties, welded to 120 x 10mm thick base plate, bolted to and including unreinforced concrete base size 1,000 x 400 x 450mm deep, including any necessary excavation, paint finish, etc. complete with 820 x 1,577mm high signage overall in accordance with sign 05 as detailed on architect's drawing no. W401 and W402	No	1		
41	DISCLAIMER sign with 150mm diameter x 4mm thick galvanised mild steel tubular section sign support posts 400mm high overall with closed ends, welded to 230 x 10mm thick base plate, bolted to and including unreinforced concrete base size 400 x 400 x 450mm deep, including any necessary excavation, paint finish, etc. complete with 420 x 1,500mm high signage overall in accordance with sign 02 as detailed on architect's drawing no. W401 and W402	No	1		
42	DISCLAIMER sign with 150mm diameter x 4mm thick galvanised mild steel tubular section sign support posts 400mm high overall with closed ends, welded to 230 x 10mm thick base plate, bolted to and including unreinforced concrete base size 400 x 400 x 450mm deep, including any necessary excavation, paint finish, etc. complete with 420 x 1,000mm high signage overall in accordance with sign 02 as detailed on architect's drawing no. W401 and W402	No	1		
43	BUILDINGS sign with 150mm diameter x 4mm thick galvanised mild steel tubular section sign support posts 400mm high overall with closed ends, welded to 230 x 10mm thick base plate, bolted to and including unreinforced concrete base size 400 x 400 x 450mm deep, including any necessary excavation, paint finish, etc. complete with 420 x 1,500mm high signage overall in accordance with architect's drawing no. W401 and W402	No	15		
	Prepare and apply one coat white reflective road marking paint on bituminous road surfacing, precast concrete paving blocks, etc.				
44	100mm Wide line	m	534		
45	150mm Wide line	m	12		
46	300mm Wide line	m	40		
47	450mm Wide line	m	62		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
48	100mm Wide dotted line	m	569		
49	Arrow 1,600 x 500mm overall	No	46		
50	Disabled parking symbol 2,000 x 3,000mm overall	No	10		
51	800mm Letter	No	32		
	Carried to Collection			**R**	

BILL NO. 2

ROADWORKS, PARKING AREAS AND PAVING

COLLECTION

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		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 3				
	STORMWATER SUMP				
	PREAMBLES				
	For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.				
	STORMWATER DRAINAGE (CPAP WORK GROUP NO. 146)				
	Sumps, catchpits, inspection chambers, etc including concrete kerbs or precast concrete cover slabs (gratings and covers elsewhere)				
	EXCAVATIONS ETC				
	Excavation in earth for stormwater sump				
1	Exceeding 6m and not exceeding 8m deep	m³	356		
	Extra over bulk excavations in earth for excavation in				
2	Soft rock	m³	36		
3	Hard rock	m³	18		
	Back excavation of vertical sides of excavations in earth for working space including backfilling compacted to 95% Mod AASHTO density				
4	Exceeding 6m and not exceeding 7,5m deep for placing and removing formwork to walls etc, 850mm away from excavated face	m²	215		
5	Extra over for excavation in soft rock	m²	22		
6	Extra over for excavation in hard rock	m²	11		
	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	242		
	Keeping excavations free of water				
8	Keeping excavations free of all water other than subterranean water	Item			
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	FILLING ETC OTHER THAN BULK				
	Earth filling supplied by the contractor, compacted to 95% Mod AASHTO density				
9	Backfilling behind retaining walls	m³	114		
	Filling of natural gravel material G6 supplied by the contractor, compacted to 95% Mod AASHTO density				
10	Backfilling to trenches, holes, etc	m³	2		
	LATERIAL SUPPORT (PROVISIONAL)				
	INSURANCE				
11	Provide the sum of (Contract sum plus 100%) for premiums for an insurance policy against claims arising from the removal of lateral support	Item			
12	Profit	Item			
	STANDING TIME				
13	Standing time as a result of employers default	Hrs	24		
	MOVEMENT MONITORING				
14	Establishing bench marks, pegs, painted lines and arrows, etc as required for movement monitoring control including necessary excavation, steel pegs, concrete bedding, paint, etc and protection and maintenance thereof during the works, all in accordance with the specification	Item			
15	Periodic movement survey check comprising necessary surveying equipment including setting up thereof, accurately monitoring control points and providing records of the results of the survey	No	1		
	PERMANENT GROUND ANCHORS				
	Establishment				
16	Transporting and establishment on site of necessary plant for the execution of the work and removal thereof on completion	Item			
	Ground anchors of 25kN working load, self drilling with 76mm diameter drill bit complete with galvainsed 150 x 150 x 8mm anchor plate (all galvanised): 25MPa grout. Refer to Engineers's drawing No. A1 11004-2NW/C/100/002 Rev. A				
17	5,0 m Embedded length	No	4		
18	4,0 m Embedded length	No	4		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
19	3,0 m Embedded length	No	26		
20	2,0 m Embedded length	No	26		
	SOLDIERS, BOARDING, SHOTCRETING, ETC				
	25Mpa/50mm unreinforced shotcrete lining (including formwork as necessary)				
21	50mm Thick to face of excavation (No allowance for wastage, over spray)	m²	262		
22	50mm Thick final coat to face of excavation (No allowance for wastage, over spray)	m²	262		
23	Additional shotcrete in thickening along bottom of lining	m³	2		
24	80mm Diameter weep hole drilled through reinforced shotcrete lining	No	26		
25	80mm Diameter weep pipe through 50mm thick shotcrete lining	No	26		
26	100mm Wide wick drains at 1,500mm c/c cover full height, covered with strip of plastic sheeting during shortcreting to prevent clogging	m	224		
	Test Cubes				
27	Making and testing 150 x 150 x 150mm concrete strength test cubes (Provisional)	No	3		
	Fabric reinforcement				
28	Type 193 fabric reinforcement in shotcrete lining fixed to projecting rock bolts	m²	272		
	TESTING AND RE-TENSIONING OF GROUND ANCHORS SUBSEQUENT TO INITIAL ACCEPTABILITY TESTING AND DESTRESSING				
29	Transporting and re-establishment on site of necessary plant for testing, re-tensioning and de-stressing of ground anchors	Item			
30	Testing of ground anchor	No	4		
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	15MPa/19mm concrete				
31	Surface blinding under footings and bases	m³	2		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	REINFORCED CONCRETE CAST ON/IN FORMWORK				
	30MPa/19mm concrete				
32	Bases	m³	12		
33	Slabs including beams and inverted beams	m³	8		
34	Walls	m³	26		
	SMOOTH FORMWORK (DEGREE OF ACCURACY II)				
	Smooth formwork to sides				
35	Walls with total height exceeding 6.5m and not exceeding 8m above bearing level	m²	344		
36	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	53		
	Smooth formwork to soffits				
37	Slabs propped up exceeding 6.5m and not exceeding 8m high	m²	28		
	Boxing in smooth formwork to form				
38	20 x 20mm Chamfers along top edges	m	24		
	Smooth formwork to form				
39	Opening exceeding 2m and not exceeding 3m girth through not exceeding 300mm slab	No	3		
	REINFORCEMENT				
	High tensile steel reinforcement to structural concrete work				
40	12mm Diameter bars	Tonnes	1.99		
	Fabric reinforcement				
41	Type 888 fabric reinforcement in concrete walls	m²	183		
	Rainwater pipes, etc				
42	100mm diameter x 600mm girth galvanised steel ventilation pipes	No	2		
43	Stormwater basket screen as shown on engineer's drawing no. 11004NW/C/200/201	Item			
	WATERPROOFING TO ROOFS, BASEMENTS, ETC				
	Two coats type "Sika" or smilar approved blackseal-lastic bituminous liquid waterproofing				
44	On walls	m²	176		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	PROTECTIVE BOARD				
	Bituminous protection board Type "Niloboard" or similar approved laid loose				
45	On walls	m²	178		
	SCREEDS				
	Screeds steel trowelled, on concrete				
46	Average 150mm thick on floors with upper surface to falls	m²	28		
	GRANOLITHIC				
	Untinted granolithic, on concrete				
47	Average 35mm thick on roofs with upper surface to falls and currents	m²	32		
	Excavate in earth for and including Precast concrete circular inspection chambers formed of 1,8m diameter x 150mm thick 20MPa/19mm mass concrete bottom with inspection chamber shaft formed of 1,8m diameter (internal) precast concrete rings with joints sealed with bituminous putty with and including precast concrete cover slab 240mm thick and precast concrete spacer slab with opening for and including heavy duty road type manhole cover and frame as type 4 set in cement mortar and sealed in tallow and with fine mass concrete benching in bottom floated smooth with falls to and including finished on all exposed surfaces with 25mm thick granolithick with angles rounded including all necessary step iron, etc.				
48	1800mm Diameter precast concrete manhole 1500mm deep internally	No	1		
	Cast iron gratings, covers, etc				
49	600 x 900mm Besaans Du Plessis Foundries Product number 2140 type 9E or similar approved manhole cover and frame including Locking Bar Product No 2984 or similar approved	No	1		
50	600 x 600mm Besaans Du Plessis Foundries Product number 2120 type 9A or similar approved manhole cover and frame including Locking Bar Product No 2984 or similar approved	No	1		
51	450 x 600mm Besaans Du Plessis Foundries Product number 2070 type 9C or similar approved manhole cover and frame including Locking Bar Product No 2985 or similar approved	No	3		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
52	"St Gobain" code: 004913, or similar approved galvanised steel rod step iron 185mm long, cast into concrete wall	No	5		
53	Lifting-key for manhole cover (handed to employer)	No	1		
	Sundries				
54	Hole through side of precast concrete kerb inlet for pipe exceeding 100mm and not exceeding 200mm diameter and make good	No	1		
	Stormwater submersible pumps				
55	Supply and install complete with Sump controller a set of 3No. suitable electrical submersible pumps to pump dirty water with the presence of solid and filamentous parts in suspension, Solid passage diameter from 50 to 100 mm. Technical Specifications to include:				
	Motor protection class: IP 68				
	Maximum immersion: 20 m				
	Operating range: from 0 to 32 m3/h with head up to 50 m				
	Maximum ambient temperature for pump running with submersible motor: +60°C				
	Maximum temperature of the liquid: 50°C				
	Max. solids size for passage: 50 mm				
	Self-ventilated 2 pole asynchronous motor				
	Class of insulation F • IPX8 Protection rating				
	Class of insulation F • IPX8 Protection rating				
	230V ± 10%, 50Hz single phase voltage 400V ± 10%, 50Hz three phase voltage	No	1		
	Carried to Collection			**R**	

		Amount
BILL NO. 3		
STORMWATER SUMP		
COLLECTION		
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		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 4				
	SEWER TREATMENT PLANT				
	PREAMBLES				
	For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.				
	EMPTYING OF SEWER TREATMENT PLANT, SLUDGE REMOVAL AND CLEANING.				
	Provide mechanical exhauster/vacuum truck service to pump,suck out transport, and dispose of liquid and sludge waste from septic tanks/conservancy tanks, including thorough cleaning of the chamber				
1	Vacuum tanking, removal, and safe disposal of sewage/sludge from conservancy tank with a total capacity of approximately 216 cu.m.	No	3		
	PREPARATORY WORK TO EXISTING SURFACES				
	Clean down efflorescent salt visible with wire brush and wash down				
2	On existing brick walls	m²	222		
	EXCAVATION, FILLING, ETC				
	Excavation, etc. for working space				
3	Excavation in earth exceeding 4m and not exceeding 6m deep for placing waterproofing and protection board	m³	616		
	Extra over all excavations for carting away				
4	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m³	616		
	Keeping excavations free of water.				
5	Keeping excavations free of all water other than subterranean water.	Item			
	FILLING, ETC				
	Filling of natural gravel material G4 supplied by the contractor, compacted to 95% Mod AASHTO density				
6	Backfilling behind retaining walls.	m³	616		
	Filling of natural gravel material G6 supplied by the contractor, compacted to 95% Mod AASHTO density				
7	Backfilling to trenches, holes, etc	m³	3		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	LATERAL SUPPORT (PROVISIONAL)				
	INSURANCE				
8	Provide the sum of (Contract sum plus 100%) for premiums for an insurance policy against claims arising from the removal of lateral support	Item			
9	Profit	Item			
	STANDING TIME				
10	Standing time as a result of employers default	Hrs	24		
	MOVEMENT MONITORING				
11	Establishing bench marks, pegs, painted lines and arrows, etc as required for movement monitoring control including necessary excavation, steel pegs, concrete bedding, paint, etc and protection and maintenance thereof during the works, all in accordance with the specification	Item			
12	Periodic movement survey check comprising necessary surveying equipment including setting up thereof, accurately monitoring control points and providing records of the results of the survey	No	1		
	PERMANENT GROUND ANCHORS				
	Establishment				
13	Transporting and establishment on site of necessary plant for the execution of the work and removal thereof on completion	Item			
	Ground anchors of 25kN working load, self drilling with 76mm diameter drill bit complete with galvainsed 150 x 150 x 8mm anchor plate (all galvanised): 25MPa grout. Refer to Engineers's drawing No. A1 11004-2NW/C/100/002 Rev. A				
14	5,0 m Embedded length	No	4		
15	4,0 m Embedded length	No	4		
16	3,0 m Embedded length	No	60		
17	2,0 m Embedded length	No	60		
	SOLDIERS, BOARDING, SHOTCRETING, ETC				
	25Mpa/50mm unreinforced shotcrete lining (including formwork as necessary)				
18	50mm Thick to face of excavation (No allowance for wastage, over spray)	m²	340		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
19	50mm Thick final coat to face of excavation (No allowance for wastage, over spray)	m²	340		
20	Additional shotcrete in thickening along bottom of lining	m³	3		
21	80mm Diameter weep hole drilled through reinforced shotcrete lining	No	60		
22	80mm Diameter weep pipe through 50mm thick shotcrete lining	No	60		
23	100mm Wide wick drains at 1,500mm c/c cover full height, covered with strip of plastic sheeting during shortcreting to prevent clogging	m	252		
	Test Cubes				
24	Making and testing 150 x 150 x 150mm concrete strength test cubes (Provisional)	No	6		
	Fabric reinforcement				
25	Type 193 fabric reinforcement in shotcrete lining fixed to projecting rock bolts	m²	356		
	TESTING AND RE-TENSIONING OF GROUND ANCHORS SUBSEQUENT TO INITIAL ACCEPTABILITY TESTING AND DESTRESSING				
26	Transporting and re-establishment on site of necessary plant for testing, re-tensioning and de-stressing of ground anchors	Item			
27	Testing of ground anchor	No	4		
	WATERPROOFING TO BASEMENTS				
	Cementitious waterproofing system comprising primer coat plasticised modified acrylic (PMA) (consisting of 5l PMA, 5 litres water and 16,5kg cement (32,5N), one layer pre-cut polypropylene fabric fully saturated in PMA slurry and two full coats PMA slurry				
28	On walls	m²	222		
	Two coats polymer modified bitumen liquid waterproofing or similar approved				
29	On walls	m²	222		
	PROTECTIVE BOARDING				
	12mm Bitumen impregnated softboard between waterproofing and backfilling				
30	On retaining walls	m²	222		
	Carried to Collection			**R**	

		Amount
BILL NO. 4		
SEWER TREATMENT PLANT		
COLLECTION		
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		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 5				
	WATER SUPPLY				
	PREAMBLES				
	For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.				
	WATER SUPPLIES				
	Excavation, etc. for water supplies				
1	Excavation in earth not exceeding 1m deep for pipe trenches	m³	28		
2	Backfilling to pipe trenches compacted to 90% Mod AASHTO density	m³	28		
3	Selected granular filling in bedding under and filling around pipes	m³	7		
4	6mm Crushed stone bedding under pipes	m³	4		
	Class 16 PVC-U pressure pipes with solvent welded joints				
5	110mm Pipes laid in and including trenches not exceeding 1m deep	m	15		
	Extra over Class 16 PVC-U pressure pipes for fittings with solvent welded joints				
6	110mm Bend	No	4		
	Extra over Class 16 uPVC pressure pipes for cast iron pressure fittings				
7	20mm Isolation valve	No	3		
8	50mm Isolation valve	No	5		
9	63mm Isolation valve	No	3		
10	75m Isolation valve	No	2		
	Class 10 HDPe type IV pipes				
11	20mm Pipes laid in and including trenches not exceeding 1m deep	m	156		
	Extra over Class 10 HDPe type IV pipes for Plasson fittings				
12	63mm Reducing tee.	No	4		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
13	75mm Reducing tee.	No	2		
14	50mm Reducing tee.	No	10		
15	40mm Reducing tee.	No	11		
16	20mm Bend	No	41		
17	20mm Tee	No	2		
18	20mm Threaded adapter	No	32		
	Galvanised steel pipes with screwed and socketed joints				
19	20mm Pipes	m	32		
	SUNDRIES (CPAP WORK GROUP NO. 146).				
20	Connection of pipe through side of existing pipe exceeding 50mm and not exceeding 100mm diameter and make good	No	12		
	DRIP TRAYS, TANKS, ETC				
	"ABECO" or similar approved hot-dip galvanised steel sectional water tanks etc				
21	3,660 x 3,660 x 2,440mm Tank with external flanges, flat top and bolted manhole lid, approximately 450mm above ground level	No	1		
22	Outlet union for 75mm steel pipe, including hole through tank	No	1		
23	Outlet union for 100mm steel pipe, including hole through tank	No	1		
24	100mm Diameter 2500 KPa pressure gauge syphon and stopcock, including tapped hole in steel pipe	No	1		
25	100mm Cast iron flanged non-return valve	No	1		
26	100mm Cast iron flanged gate valve	No	1		
	GROUND LEVEL TANK FOUNDATION				
	The following in ground level tank foundation				
27	Excavation in earth not exceeding 2m deep	m^3	9		
	Extra over all excavations for carting away				
28	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m^3	6		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Keeping excavations free of water.				
29	Keeping excavations free of all water other than subterranean water.	Item			
	Earth filling supplied by the contractor, compacted to 95% Mod AASHTO density.				
30	Backfilling to trenches, holes etc.	m³	3		
	15MPa/19mm concrete.				
31	Surface blinding under footings and bases.	m³	1		
	30MPa/19mm concrete.				
32	Ground beams.	m³	1		
33	Stub columns.	m³	1		
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	30MPa/19mm concrete				
34	Surface beds.	m³	6.00		
	TEST CUBES				
	Test cubes				
35	Making and testing 150 x 150 x 150mm concrete strength test cubes (Provisional).	No	3		
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a wood float				
36	Surface beds, slabs, etc	m²	19		
	Finishing top surfaces of concrete smooth with a steel trowel				
37	Surface beds, slabs, etc	m²	6		
	SMOOTH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)				
	Smooth formwork to sides				
38	Ground beams	m²	24		
39	Rectangular stub columns in foundations (Provisional)	m²	2		
	Boxing in smooth formwork to form				
40	15 x 15mm Chamfers along top or bottom edges	m	56		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)				
	High tensile steel reinforcement to structural concrete work				
41	12mm Diameter bars	Tonnes	0.70		
42	20mm Diameter U-shaped threaded anchor bolt 1,000mm girth embedded in top of concrete.	No	8		
	FLUSHING AND DISINFECTING EXISTING WATER SUPPLY PIPES (PROVISIONAL)				
	Flushing: Flush pipes at minimum velocity of 1.0 m/s to remove debris and sedment before dosing.				
	Disinfecting: Inject a chlorine solution with a minimum residual concetration of 50mg/L, and retain it in the pipeline for at least 24 hours.				
	Testing: Take water samples for laboratory testing. Only commission the pipeline after clean, safe test results are achieved..				
	Flushing and disinfecting existing water supply pipes using a chlorine solution, including all labour, materials, testing, and safe disposal of chlorinated flush water.				
43	Diameter up to 100mm	m	471		
44	Provision of water samples and bacteriological laboratory testing	Item			
	Testing				
45	Testing water pipe system	Item			
	Sundries				
46	360 x 360 x 230mm x 15,70kg Cast iron stopcock box including brick chamber below 500mm deep internally	No	10		
	Testing				
47	Testing fire water pipe system	Item			
	AS-BUILT DRAWINGS				
	Drawings				
48	Provision of as-built drawings	Item			
	Carried to Collection			**R**	

BILL NO. 5

WATER SUPPLY

COLLECTION

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		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 6				
	TELECOMMUNICATION TOWER FOUNDATION				
	PREAMBLES				
	For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.				
	EXCAVATIONS ETC				
	Excavation in earth for Telecommunication tower foundation				
1	Exceeding 2m and not exceeding 4m deep	m³	309		
	Extra over bulk excavations in earth for excavation in				
2	Soft rock	m³	31		
3	Hard rock	m³	15		
	Risk of collapse of excavations				
4	Sides of bulk excavations exceeding 1,5m deep	m²	116		
	Extra over all excavations for carting away				
5	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m³	230		
	Keeping excavations free of water.				
6	Keeping excavations free of all water other than subterranean water.	Item			
	FILLING, ETC				
	Earth filling supplied by the contractor, compacted to 95% Mod AASHTO density.				
7	Backfilling to trenches, holes etc.	m³	79		
	Filling of natural gravel material, G4 supplied by the contractor, compacted to 97% Mod AASHTO density				
8	Under floors, steps, pavings, etc	m³	69		
	Filling of natural gravel material G5 supplied by the contractor, compacted to 95% Mod AASHTO density.				
9	Under floors, steps, pavings, etc.	m³	137		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Compaction of ground surfaces				
10	Compaction of natural or excavated 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	114		
	EXCAVATION, FILLING, ETC OTHER THAN BULK				
	Excavation in earth not exceeding 2m deep				
11	Holes	m³	22		
	Extra over all excavations for carting away				
12	Surplus material from excavations and/or stock piles on site, to a dumping site situated approximately ?km from the building site	m³	22		
	Risk of collapse of excavations				
13	Sides of trench and hole excavations not exceeding 1,5m deep	m²	13		
	Keeping excavations free of water				
14	Keeping excavations free of all water other than subterranean water	Item			
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	15MPa/19mm concrete.				
15	Surface blinding under footings and bases.	m³	2		
	30MPa/19mm concrete.				
16	Bases	m³	22		
17	Stub columns.	m³	1		
	TEST CUBES				
	Test cubes				
18	Making and testing 150 x 150 x 150mm concrete strength test cubes (Provisional).	No	1		
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a wood float				
19	Surface beds, slabs, etc	m²	45		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Finishing top surfaces of concrete smooth with a steel trowel				
20	Surface beds, slabs, etc	m²	2		
	25MPa non-shrink grout				
21	Bedding approximately 50mm thick under 800 x 800mm base plate	No	3		
	SMOOTH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)				
	Smooth formwork to sides				
22	Rectangular stub columns in foundations (Provisional)	m²	7		
	Boxing in smooth formwork to form				
23	15 x 15mm Chamfers along top or bottom edges	m	8		
	REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)				
	High tensile steel reinforcement to structural concrete work				
24	12mm Diameter bars	Tonnes	0.03		
25	16mm Diameter bars	Tonnes	0.09		
26	20mm Diameter bars	Tonnes	1.44		
27	25mm Diameter bars	Tonnes	2.72		
	BOLTS, FASTENERS, ETC				
	Bolts				
28	High tensile bolts (class 8.8)	Kg	13.50		
	Anchors				
29	Anchor assembly consisting of six 30mm diameter L-shaped threaded anchor bolts each 1,500mm girth, caged together with 25 x 25 x 3mm angle, total length of angle 900mm	No	3		
	Carried to Collection			**R**	

		Amount
BILL NO. 6		
TELECOMMUNICATION TOWER FOUNDATION		
COLLECTION		
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		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 7				
	PHOTOVOLTAIC STRUCTURE				
	PREAMBLES				
	For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.				
	EXCAVATION ETC				
	Excavation in earth not exceeding 2m deep				
1	Holes	m³	36		
	Extra over trench and hole excavations in earth for excavation in				
2	Soft rock	m³	5		
3	Hard rock	m³	2		
	Extra over all excavations for carting away				
4	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m³	26		
	Risk of collapse of excavations				
5	Sides of trench and hole excavations not exceeding 1,5m deep	m²	143		
	Keeping excavations free of water				
6	Keeping excavations free of all water other than subterranean water	Item			
	FILLING ETC OTHER THAN BULK				
	Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density				
7	Backfilling to trenches, holes, etc.	m³	21		
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	15MPa/19mm concrete				
8	Surface blinding under footings and bases	m³	2		
	REINFORCED CONCRETE CAST ON/IN FORMWORK				
	25MPa/19mm concrete				
9	Columns	m³	13		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25MPa/19mm concrete				
10	Bases	m³	16		
	TEST CUBES				
	Test cubes				
11	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	5		
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a steel trowel				
12	Surface beds, slabs, etc.	m²	5		
	25MPa non-shrink grout				
13	Bedding approximately 20mm thick under 876 x 200mm base plate including chamfered edges all round	No	18		
	SMOOTH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)				
	Smooth formwork to sides				
14	Rectangular stub columns in foundations (Provisional)	m²	103		
	Boxing in smooth formwork to form				
15	20 x 20mm Vertical chamfers at corners	m	61		
16	346 x 200mm Extreme splayed rebates in sides along top edges	m	14		
	REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)				
	High tensile steel reinforcement to structural concrete work				
17	10mm Diameter bars	Tonnes	0.48		
18	12mm Diameter bars	Tonnes	1.44		
	GALVANISED STEEL COLUMNS AND BEAMS				
	Welded plate columns, with flat base, cap, bearer and connection plates, bolted to concrete				
19	200 x 100mm Box section columns of 8mm thick sides	Tonnes	6.19		
	Welded plate beams, with flat bearer and connection plates, bolted to steel				
20	200 x 100mm Box section beams of 8mm thick sides	Tonnes	5.70		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
21	190 x 76mm Box section beams of 5mm thick sides	Tonnes	10.36		
	GALVANISED STEEL PURLINS, GIRTS, BRACING, ETC				
	Purlins and girts, bolted to steel				
22	75 x 50 x 20 x 3mm Thick cold-formed lipped channel purlins	Tonnes	2.84		
	BOLTS, FASTENERS, ETC				
	Bolts and fasteners				
23	High tensile bolts (class 8.8)	Kg	25.00		
24	20mm Diameter chemical anchor	No	144		
	PAINTING				
	Touch-up primer, one coat undercoat to 100-125 micron dry film thickness and one finishing coat to 50-70 micron dry film thickness				
25	On galvanised steel columns, beams, etc.	m²	454		
	Carried to Collection			**R**	

		Amount
BILL NO. 7		
PHOTOVOLTAIC STRUCTURE		
COLLECTION		
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		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 8				
	STORMWATER DRAINAGE				
	PREAMBLES				
	For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.				
	STORMWATER CHANNELS (CPAP Work Group No 146)				
	Precast or in-situ reinforced concrete (30Mpa) with mesh Ref 245, V- shaped stormwater channels, finished smooth on all exposed surfaces and with angles rounded, cast in suitable lengths (not exceeding 2 000mm), with bitumen applied to one edge at joints, and reinforced as necessary for handling if precast, including all formwork, reinforecing, moulds, shallow excavation, filling and ramming, laying to falls, bedding and pointing in (3:1) cement mortar:				
1	1,000 x 150mm V-Drain.	m	10		
	STORMWATER DRAINAGE (CPAP WORK GROUP NO. 146)				
	Demolishing and removing				
2	Manholes and inlets exceeding 1m and not exceeding 2m deep, comprising unreinforced concrete surface bed, one brick walls, and concrete slabs	m³	27		
3	Manholes and inlets exceeding 2m and not exceeding 3m deep, comprising unreinforced concrete surface bed, one brick walls, and concrete slabs	m³	78		
4	Manholes and inlets exceeding 3m and not exceeding 4m deep, comprising unreinforced concrete surface bed, one brick walls, and concrete slabs	m³	43		
	Class 100D concrete pipes with interlocking joints				
5	300mm Pipes laid in trenches (trenches elsewhere)	m	78		
6	450mm Pipes laid in trenches (trenches elsewhere)	m	234		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Sumps, catchpits, inspection chambers, etc including concrete kerbs or precast concrete cover slabs (gratings and covers elsewhere)				
7	Excavate for and build stormwater catch pit size 1,340 x 1,340 x exceeding 1,0m and not exceeding 2,0m deep internally, formed of 150mm thick cement concrete (25MPa) bottom projecting 75mm all round, mass concrete (15Mpa) benching, hard burnt one brick sides with galvanised brickforce between each course, rendered internally in 1:3 cement plaster, 1340 x 1,340mm overall x 200mm thick (25Mpa) reinforced concrete cover slab including reinforcing, rebating for and fitted with mild steel angle frame and grating (frame and grating elsewhere) in accordance with SABS 558, bedded in 1:3 cement mortar and sealed in tallow, including all necessary fittings, excavations, formwork, holes through sides for pipes etc as per Stormwater Catchpit detail on Engineers Drawing No. 11004 - 2 NW - C - 100 - 210 accompanying these Bills of Quantities.	No	16		
8	Excavate for and build stormwater catch pit size 1,340 x 1,340 x exceeding 2,0m and not exceeding 3,0m deep internally, formed of 150mm thick cement concrete (25MPa) bottom projecting 75mm all round, mass concrete (15Mpa) benching, hard burnt one brick sides with galvanised brickforce between each course, rendered internally in 1:3 cement plaster, 1340 x 1,340mm overall x 200mm thick (25Mpa) reinforced concrete cover slab including reinforcing, rebating for and fitted with mild steel angle frame and grating (frame and grating elsewhere) in accordance with SABS 558, bedded in 1:3 cement mortar and sealed in tallow, including all necessary fittings, excavations, formwork, holes through sides for pipes etc as per Stormwater Catchpit detail on Engineers Drawing No. 11004 - 2 - NW - C - 100 - 210 accompanying these Bills of Quantities.	No	2		
9	Excavate for and build stormwater kerb inlet exceeding 1000mm deep and not exceeding 2000mm deep internally complete including all channels, kerbs, transitions, excavations, formwork, reinforcement, backfilling, compaction, etc., Kerb Inlet Detail, detail on Civil Enginner's Drawing No. 11004 - 2 NW - C - 100 - 200 Stormwater kerb inlet Details accompanying these Bills of Quantities.	No	6		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
10	Excavate for and build stormwater kerb inlet exceeding 2000mm deep and not exceeding 3000mm deep internally complete including all channels, kerbs, transitions, excavations, formwork, reinforcement, backfilling, compaction, etc., Kerb Inlet Detail, detail on Civil Enginner's Drawing No. 11004 - 2 NW - C - 100 - 200 Stormwater kerb inlet Details accompanying these Bills of Quantities.	No	3		
11	Excavate for and build stormwater kerb inlet exceeding 3000mm deep and not exceeding 4000mm deep internally complete including all channels, kerbs, transitions, excavations, formwork, reinforcement, backfilling, compaction, etc., Kerb Inlet Detail, detail on Civil Enginner's Drawing No. 11004 - 2 NW - C - 100 - 200 Stormwater kerb inlet Details accompanying these Bills of Quantities.	No	4		
	Cast iron gratings, covers, etc				
12	1045 x 845mm Hot dipped galvanised angle section frame and grating, comprising of 60 x 60 x 6mm angle iron frame size 1045 x 845mm cast into concrete and grating size 1000 x 800mm comprising of 50 x 50 x 6mm angle iron support frame filled in with 25mm diameter high tensile steel bars at 60mm centres installed complete as detailed on Stormwater Grid inlet details Drawing accompanying these Bills of Quantities	No	18		
	Excavation, etc. for stormwater drainage				
13	Excavation in earth exceeding 1m and not exceeding 2m deep for pipe trenches	m³	536		
14	Excavation in earth exceeding 2m and not exceeding 3m deep for pipe trenches	m³	170		
15	Excavation in earth exceeding 3m and not exceeding 4m deep for pipe trenches	m³	517		
16	Backfilling to pipe trenches compacted to 90% Mod AASHTO density	m³	1 032		
17	Selected granular filling (Class II) in bedding under and filling around pipes	m³	70		
18	Selected granular filling (Class I) in bedding under and filling around pipes	m³	55		
19	13mm Crushed stone bedding under pipes	m³	66		
20	Bidum U34 geofabric filter blanket wrapped around stone encasing with 200mm end laps, including stitching.	m²	574		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Sundries.				
21	Extra over excavation in earth for pipe trenches, chambers, etc. for excavation in soft rock.	m^3	122		
22	Extra over excavation in earth for pipe trenches, chambers, etc. for excavation in hard rock.	m^3	61		
23	Extra over excavation for pipe trenches, chambers, etc. for carting away surplus material to a dumping site to be located by the contractor.	m^3	191		
24	Excavate not exceeding 1m deep for, locate, take up and set aside for re-use 450mm stormwater drain pipe.	m	81		
	Testing				
25	Testing stormwater drainage system	Item			
	Carried to Collection			**R**	

BILL NO. 8

STORMWATER DRAINAGE

COLLECTION

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		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 9				
	SECURITY FENCING				
	PREAMBLES				
	For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.				
	DEMOLITIONS				
	Breaking up and removing				
1	200mm Thick unreinforced concrete surface beds, paving, etc	m²	27		
2	80mm Thick concrete block paving on sand bedding	m²	73		
3	150 x 300mm Unreinforced concrete kerbs	m	46		
	Taking down and removing				
4	Steel palisade fence 1.8mm high with steel posts	m	14		
5	Steel palisade panel size 2,660 x 1.820mm high from brick piers	No	2		
	Taking down and removing steel palisade fence panels, setting aside for re-use and later refixing in similar new position.				
6	Palisade type panel, size 450 x 1,820mm high	No	1		
7	Palisade type panel, size 700 x 1,820mm high	No	1		
8	Palisade type panel, size 720 x 1,820mm high	No	1		
9	Palisade type panel, size 1,154 x 1,820mm high	No	1		
10	Palisade type panel, size 1,370 x 1,820mm high	No	1		
11	Palisade type panel, size 1,640 x 1,820mm high	No	2		
12	Palisade type panel, size 2,460 x 1,820mm high	No	5		
13	Palisade type panel, size 2,660 x 1,820mm high	No	199		
14	Palisade type panel, size 2,760 x 1,820mm high	No	2		
15	Palisade type panel, size 2,792 x 1,820mm high	No	1		
16	Palisade type panel, size 3,525 x 1,820mm high	No	1		
17	Tube type panel, size 300 x 1,820mm high	No	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
18	Tube type panel, size 500 x 1,820mm high	No	2		
19	Tube type panel, size 533 x 1,820mm high	No	1		
20	Tube type panel, size 705 x 1,820mm high	No	1		
21	Tube type panel, size 1,615 x 1,820mm high	No	2		
22	Tube type panel, size 2,040 x 1,820mm high	No	3		
23	Tube type panel, size 2,660 x 1,820mm high	No	18		
	Demolishing and removing				
24	Mass brickwork	m³	7		
25	One brick boundary or yard walls 1m high	m	40		
26	One brick boundary or yard walls 2,93m high with pilasters at 3m centres	m	6		
	Hacking up/off and removing granolithic, screeds, plaster, etc. from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc.				
27	External plaster from walls, columns and beams	m²	335		
28	4mm Waterproofing membrane from roofs	m²	7		
	SITE CLEARANCE				
	Site clearance				
29	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth	m²	1 300		
	Clean down by hand with an approved cleaning agent and wash down				
30	Existing facebrick walls	m²	225		
	Clean down by hand with stiff fibre brush with high pressure low volume water jet				
31	Existing external facebrick walls	m²	195		
	BULK EXCAVATIONS ETC				
	Excavation in earth for platforms				
32	Not exceeding 2m deep	m³	53		
	Extra over bulk excavations in earth for excavation in				
33	Soft rock	m³	5		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
34	Hard rock	m³	3		
	Extra over bulk excavations in earth for breaking up and removing				
35	Brickwork	m³	1		
36	Reinforced concrete	m³	1		
	Extra over all excavations for carting away				
37	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m³	52		
	Risk of collapse of excavations				
38	Sides of bulk excavations not exceeding 1,5m deep	m²	34		
	Keeping excavations free of water				
39	Keeping excavations free of water other than subterranean water	Item			
	BULK FILLING ETC				
	G5 filling supplied by the contractor, compacted to 95% Mod AASHTO density				
40	Over site to form platforms	m³	52		
	Compaction of surfaces				
41	Compaction of ground surface under floors etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m²	39		
	Prescribed density tests on filling				
42	Modified AASHTO Density test	No	7		
	EXCAVATION, FILLING, ETC OTHER THAN BULK				
	Open face excavation in earth over sloping site				
43	Open face excavation to reduce levels	m³	333		
	Excavation in earth not exceeding 2m deep				
44	Trenches	m³	62		
45	Holes	m³	1		
	Extra over trench and hole excavations in earth for excavation in				
46	Soft rock	m³	6.29		
47	Hard rock	m³	3.14		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Extra over all excavations for carting away				
48	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m³	31		
	Risk of collapse of excavations				
49	Sides of trench and hole excavations not exceeding 1,5m deep	m²	183		
	Keeping excavations free of water				
50	Keeping excavations free of all water other than subterranean water	Item			
	FILLING ETC OTHER THAN BULK				
	Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density				
51	Backfilling to trenches, holes, etc	m³	31		
	Coarse river sand filling supplied by the contractor				
52	Under floors etc.	m³	1		
	Compaction of surfaces				
53	Compaction of ground surface under floors etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m²	50		
	SOIL POISONING				
	Soil insecticide in accordance with SANS 5859				
54	Under floors etc. including forming and poisoning shallow furrows against foundation walls etc., filling in furrows and ramming	m²	18		
55	To bottoms and sides of trenches etc.	m²	245		
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	15MPa/19mm concrete				
56	Surface blinding under footings and bases	m³	4		
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25MPa/19mm concrete				
57	Strip footings	m³	17		
58	Bases	m³	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	TEST CUBES				
	Test cubes				
59	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	3		
	REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)				
	Mild steel reinforcement to structural concrete work				
60	8mm Diameter bars	Tonnes	1.82		
	High tensile steel reinforcement to structural concrete work				
61	12mm Diameter bars	Tonnes	1.88		
	Fabric reinforcement				
62	Type 245 fabric reinforcement in concrete surface beds etc.	m^2	18		
	PRECAST CONCRETE COPINGS ETC				
	Precast concrete finished smooth on exposed surfaces including bedding, jointing and pointing				
63	Precast concrete dripstone 230 A coping (Type old world)	m	3		
	BRICKWORK IN FOUNDATIONS (PROVISIONAL)				
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar				
64	Piers	m^3	3		
65	One brick walls	m^2	69		
	BRICKWORK IN SUPERSTRUCTURE				
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar				
66	Piers	m^3	8		
	Brick-on-edge header course copings, sills, etc of NFX bricks (14 Mpa Nominal compressive strength) in class II mortar to be plastered (plaster elsewhere)				
67	500 x 400mm Copings on tops of 340 x 340mm brick piers, to be platered (plaster elsewhere)	No	18		
68	700 x 500mm Copings on tops of 340 x 450mm brick piers, to be platered (plaster elsewhere)	No	4		
69	220mm Copings on top of one brick walls, to be plastered (Plaster elsewhere)	m	6		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	BRICKWORK SUNDRIES				
	Joint forming material in movement joints				
70	20mm Bitumen impregnated fibre board built in vertically between brick skins	m²	37		
71	80 x 3mm steel plate fixed with 6mm rawl bolts on one side vertically between two brick skins	m	5		
	2,5mm Brickwork reinforcement				
72	150mm Wide reinforcement built in horizontally	m	254		
	FACE BRICKWORK				
	Face brick with cost price of R5,000.00 (Five thousand Rands) net per thousand (Cost price to include for delivery to site but to exclude VAT) pointed with recessed horizontal and vertical joints as work proceeds.				
73	Extra over brickwork for face brickwork in foundations (Provisional)	m²	49		
74	Extra over brickwork for face brickwork	m²	73		
75	One brick walls in English bond pointed on both sides	m²	46		
	Brick-on-edge header course copings, sills, etc of a cost price R5,000.00 (Five thousand Rands) net per thousand (Cost price to include for delivery to site but to exclude VAT), pointed with recessed joints on all exposed faces as work proceeds.				
76	220mm Copings on top of one brick walls	m	86		
	WATERPROOFING TO ROOFS, BASEMENTS, ETC				
	4mm "Derbigum SP" or similar approved waterproofing covered with type 40 bituminous fibreglass felt				
77	On flat roofs	m²	7		
	PROTECTIVE ROOFING PAINT				
	Two coats bituminous aluminium paint				
78	On waterproofing to roofs	m²	7		
	SEALING STRIPS, JOINT SEALANTS, ETC				
	"abe" Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc.				
79	12 x 12mm In vertical expansion joints including raking out expansion joint filler as necessary	m	212		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	ALUMINIUM MINOR WORK				
	Anodised aluminium cappings with sealed joints fixed to brickwork or concrete				
80	50 x 50 x 3mm Angle section corner protectors to horizontal corners, bolted to concrete through timber spacers with SS countersunk screws at max 500mm c/c	m	10		
	GALVANISED STEEL GATES, SCREENS, ETC				
	Palisade fencing				
81	Palisade fence 2,445mm high comprising of 2,25m high 40 x 40 x 3mm angle iron mitred spear head profile pales at 135mm centres (12 per 1,86m section) in nominal panel size 1,860m wide, with centre anti-sag pale 2,25m high, pales welded to and including 40 x 40 x 4mm angle section top and bottom rails, bolted to and including 76 x 3,5mm SHS hot dip galvanised posts at 1,860mm centres (SABS 121, ISO 1461 1999 specification) after welding of fish tail brackets to posts to receive rails, with top of post capped and seam welded and ground smooth prior to galvanizing and 8mm drainage hole drilled 650mm from bottom of post, with M12 x 40mm (4No per 1,86m section) galvanised cup square bolt and high tensile anti-vandal shear nuts, rails fixed to post with and including 2No. 50 x 40 x 6mm plate brackets, posts welded to 120 x 120 x 8mm MS base plate rawl bolted to foundation (elsewhere)	m	28		
82	Palisade fence 2,445mm high comprising of 2,25m high 40 x 40 x 3mm angle iron mitred spear head profile pales at 135mm centres (10 per 1,58m section) in nominal panel size 1,575m wide, with centre anti-sag pale 2,25m high, pales welded to and including 40 x 40 x 4mm angle section top and bottom rails, bolted to and including 76 x 3,5mm SHS hot dip galvanised posts at 1,575mm centres (SABS 121, ISO 1461 1999 specification) after welding of fish tail brackets to posts to receive rails, with top of post capped and seam welded and ground smooth prior to galvanizing and 8mm drainage hole drilled 650mm from bottom of post, with M12 x 40mm (4No per 1,58m section) galvanised cup square bolt and high tensile anti-vandal shear nuts, rails fixed to post with and including 2No. 50 x 40 x 6mm plate brackets, posts welded to 120 x 120 x 8mm MS base plate rawl bolted to foundation (elsewhere)	m	6		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
83	Palisade fence double gate size 2,924mm wide x 2,300mm high comprising of 2,25m high 40 x 40 x 3mm angle iron mitred spear head profile pales at 135mm centres (10 per 1,345m leaf) in nominal panel size 1,345m wide, pales welded to and including 50 x 40 x 4mm HS frame, 2No. 30 x 20 x 3mm GS HS bracing tube welded to frame, complete with 4No. 16 x 90mm diameter bullet hinges welded to 76 x 3,5mm SHS posts (elsewhere), 4No. 50 x 50 x 6mm GS flat bars weled to gate frame with 15mm hole including padlock	No	1		
	Welded steel angle palisade panels to brick work				
84	450 x 1,820mm Palisade panel of 50 x 50 x 3mm GMS angles at 150mm c/c, welded vertically to 60 x 60 x 8mm GMS angle iron bearer top and bottom	No	1		
85	700 x 1,820mm Palisade panel of 50 x 50 x 3mm GMS angles at 150mm c/c, welded vertically to 60 x 60 x 8mm GMS angle iron bearer top and bottom	No	1		
86	720 x 1,820mm Palisade panel of 50 x 50 x 3mm GMS angles at 150mm c/c, welded vertically to 60 x 60 x 8mm GMS angle iron bearer top and bottom	No	1		
87	1,154 x 1,820mm Palisade panel of 50 x 50 x 3mm GMS angles at 150mm c/c, welded vertically to 60 x 60 x 8mm GMS angle iron bearer top and bottom	No	1		
88	1,370 x 1,820mm Palisade panel of 50 x 50 x 3mm GMS angles at 150mm c/c, welded vertically to 60 x 60 x 8mm GMS angle iron bearer top and bottom	No	1		
89	1,640 x 1,820mm Palisade panel of 50 x 50 x 3mm GMS angles at 150mm c/c, welded vertically to 60 x 60 x 8mm GMS angle iron bearer top and bottom	No	2		
90	2,460 x 1,820mm Palisade panel of 50 x 50 x 3mm GMS angles at 150mm c/c, welded vertically to 60 x 60 x 8mm GMS angle iron bearer top and bottom	No	5		
91	2,660 x 1,820mm Palisade panel of 50 x 50 x 3mm GMS angles at 150mm c/c, welded vertically to 60 x 60 x 8mm GMS angle iron bearer top and bottom	No	224		
92	2,760 x 1,820mm Palisade panel of 50 x 50 x 3mm GMS angles at 150mm c/c, welded vertically to 60 x 60 x 8mm GMS angle iron bearer top and bottom	No	2		
93	2,792 x 1,820mm Palisade panel of 50 x 50 x 3mm GMS angles at 150mm c/c, welded vertically to 60 x 60 x 8mm GMS angle iron bearer top and bottom	No	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
94	3,525 x 1,820mm Palisade panel of 50 x 50 x 3mm GMS angles at 150mm c/c, welded vertically to 60 x 60 x 8mm GMS angle iron bearer top and bottom	No	1		
95	60 x 60 x 8mm GMS angle iron bracket welded to tublar bearer and bolted to pier lugs (Elsewhere)	No	960		
96	60 x 60 x 8mm GMS angle iron lugs, 500mm long built into brickwork	No	16		
	Welded steel tube palisade panels to brick work				
97	300 x 1,820mm Palisade panel of 19mm diameter x 1.6mm GMS tubes at 120mm c/c (ends of tubes sealed with welded 2mm thick plates), welded vertically to 50.8mm diameter x 3mm GMS bearer top and bottom (ends of tubes to be sealed with welded 2mm thick plates)	No	1		
98	500 x 1,820mm Palisade panel of 19mm diameter x 1.6mm GMS tubes at 120mm c/c (ends of tubes sealed with welded 2mm thick plates), welded vertically to 50.8mm diameter x 3mm GMS bearer top and bottom (ends of tubes to be sealed with welded 2mm thick plates)	No	2		
99	533 x 1,820mm Palisade panel of 19mm diameter x 1.6mm GMS tubes at 120mm c/c (ends of tubes sealed with welded 2mm thick plates), welded vertically to 50.8mm diameter x 3mm GMS bearer top and bottom (ends of tubes to be sealed with welded 2mm thick plates)	No	1		
100	705 x 1,820mm Palisade panel of 19mm diameter x 1.6mm GMS tubes at 120mm c/c (ends of tubes sealed with welded 2mm thick plates), welded vertically to 50.8mm diameter x 3mm GMS bearer top and bottom (ends of tubes to be sealed with welded 2mm thick plates)	No	1		
101	1,615 x 1,820mm Palisade panel of 19mm diameter x 1.6mm GMS tubes at 120mm c/c (ends of tubes sealed with welded 2mm thick plates), welded vertically to 50.8mm diameter x 3mm GMS bearer top and bottom (ends of tubes to be sealed with welded 2mm thick plates)	No	2		
102	2,040 x 1,820mm Palisade panel of 19mm diameter x 1.6mm GMS tubes at 120mm c/c (ends of tubes sealed with welded 2mm thick plates), welded vertically to 50.8mm diameter x 3mm GMS bearer top and bottom (ends of tubes to be sealed with welded 2mm thick plates)	No	3		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
103	2,660 x 1,820mm Palisade panel of 19mm diameter x 1.6mm GMS tubes at 120mm c/c (ends of tubes sealed with welded 2mm thick plates), welded vertically to 50.8mm diameter x 3mm GMS bearer top and bottom (ends of tubes to be sealed with welded 2mm thick plates)	No	18		
	Gates				
104	Sinle gate 1,160 x 2,224mm high, each leaf of 60 x 40 x 2mm hollow section frame, filled in with M.S. gripweld fusion welded with continuous flat backing code: D60 fitted with three of 15mm diameter S.S. bullet hinges welded to 40 x 20 x 2mm hollow section outer frame bolted to wall, and including expansion bolts, and a pair of 30mm diameter G.S. tube with 100 x 8mm flat bolted to concrete concrete complete with 80 x 80 x 6mm angles bolted to concrete (refer to architect's drawing no. W501)	No	1		
	EXTERNAL PLASTER				
	Cement plaster wood floated, on brickwork				
105	On sloping top, edge and projecting soffits of copings on one brick walls	m²	239		
106	On sloping top, edge and projecting soffits of copings on piers	m²	104		
107	On walls	m²	2		
	PAINTWORK ON EXTERNAL FLOATED PLASTER SURFACES				
	One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use				
108	Walls	m²	34		
109	Soffits of slabs	m²	7		
110	Copings	m²	336		
	ON METAL SURFACES				
	Two coats superior quality universal enamel paint, on work in sound condition				
111	Gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area).	m²	2 384		
	Carried to Collection			**R**	

BILL NO. 9

SECURITY FENCING

COLLECTION

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		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 10				
	EXISTING CARPORTS				
	PREAMBLES				
	For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.				
	DEMOLITIONS				
	Demolishing and removing				
1	Concrete columns	m^3	1		
	REMOVAL OF EXISTING WORK				
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc				
	Taking out/off and removing sundry metalwork				
	REMOVAL OF EXISTING WORK				
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.				
2	Corrugated sheet steel roof covering and timber purlins	m^2	31		
3	Steel lipped purlins from rafters, including brackets	m	38		
4	Steel barge board girth 400mm circular in elevation	m	56		
5	Steel gutters size 150 x 150mm	m	137		
6	Steel rainwater pipes exceeding 50mm and not exceeding 100mm diameter	m	41		
7	Inspect existing corrugated roofing sheets exceeding 100m2, fix firmly to steel purlins and make water-tight	m^2	817		
	Hacking up/off and removing granolithic, screeds, plaster, etc. from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc.				
8	External plaster from walls, columns and beams	m^2	46		
	MAKING GOOD OF FINISHES, ETC				
	Clean down by hand with stiff fibre brush with high pressure low volume water jet				
9	Existing external facebrick walls	m^2	82		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Clean down by hand with an approved cleaning agent and wash down				
10	Existing facebrick walls	m²	82		
	EXCAVATION ETC				
	Excavation in earth not exceeding 2m deep				
11	Holes	m³	9		
	Extra over trench and hole excavations in earth for excavation in				
12	Soft rock	m³	0.59		
13	Hard rock	m³	0.30		
	Extra over all excavations for carting away				
14	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m³	3		
	Risk of collapse of excavations				
15	Sides of trench and hole excavations not exceeding 1,5m deep	m²	29		
	Keeping excavations free of water				
16	Keeping excavations free of all water other than subterranean water	Item			
	FILLING ETC OTHER THAN BULK				
	Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density				
17	Backfilling to trenches, holes, etc.	m³	6		
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	15MPa/19mm concrete				
18	Surface blinding under footings and bases	m³	1		
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25MPa/19mm concrete				
19	Bases	m³	3		
	REINFORCED CONCRETE CAST ON/IN FORMWORK				
	25MPa/19mm concrete				
20	Columns	m³	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	TEST CUBES				
	Test cubes				
21	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	2		
	CONCRETE SUNDRIES				
	25MPa non-shrink grout				
22	Bedding approximately 20mm thick under 250mm diameter base plate including chamfered edges all round	No	4		
	SMOOTH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)				
	Smooth formwork to circular columns				
23	300mm Diameter column 2,54m high	No	2		
24	300mm Diameter column 3,09m high	No	4		
	REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)				
	High tensile steel reinforcement to structural concrete work				
25	10mm Diameter bars	Tonnes	0.03		
26	12mm Diameter bars	Tonnes	0.12		
27	16mm Diameter bars	Tonnes	0.53		
	PROFILED METAL SHEETING AND ACCESSORIES				
	0,6mm Z275 spelter galvanised corrugated sheet steel and accessories, with silicone polyester baked enamel paint finish on one side, fixed to steel purlins or rails				
28	Roof covering circular along the fall to 2,0m radius	m²	25		
29	Roof covering circular along the fall to 6,0m radius	m²	43		
30	Gable trims 225mm girth	m	13		
31	Gable trims 250mm girth	m	4		
32	Gable trims 120mm girth	m	12		
33	Head wall flashings 260mm girth	m	4		
	SUNDRIES				
	In accordance with "Union" catalogue				
34	Ref 8730AS door stop, plugged	No	2		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	GALVANISED STEEL PURLINS, GIRTS, BRACING, ETC				
	Purlins and girts, bolted to steel				
35	75 x 50 x 20 x 3mm Thick cold-formed lipped channel purlins	Tonnes	0.13		
36	125 x 75 x 20 x 3,5mm Thick cold-formed lipped channel purlins	Tonnes	0.31		
37	50 x 50 x 4 Angle bracket 100 mm long fixed to cold-formed lipped channel purlins (elsewhere)	Tonnes	0.09		
38	150 x 90 x 10mm Angle bracket 150 mm long welded to rafter (elsewhere)	Tonnes	0.04		
	Welded bracing, anti-sag rails, etc with angle connection plates, bolted to steel				
39	Round solid section bracing	Tonnes	0.19		
	GALVANISED STEEL COLUMNS AND BEAMS				
	Welded beams in single lengths with flat bearer and connection plates, bolted to steel				
40	152mm Diameter hollow section beam of 5mm thick sides circular along fall to 5,0m radius	Tonnes	0.36		
	BOLTS, FASTENERS, ETC				
	Bolts and fasteners				
41	High tensile bolts (class 8.8)	Kg	4.08		
42	20mm Diameter chemical anchor	No	16		
	PAINTING				
	Touch-up primer, one coat undercoat to 100-125 micron dry film thickness and one finishing coat to 50-70 micron dry film thickness				
43	On galvanised steel columns, beams, etc.	m²	585		
	SUNDRY ALUMINIUM WORK (CPAP WORK GROUP NO. 140)				
	Natural anodised aluminium cappings with sealed joints fixed to brickwork or concrete				
44	Type 125 x 75 x 20 x 2,5mm Fascia circular along fall to 5,075mm internal radius	m	56		
	EXTERNAL PLASTER				
	Cement plaster wood floated, on brickwork				
45	On narrow widths	m²	46		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Cement plaster wood floated, on concrete				
46	On circular columns	m²	112		
	RAINWATER DISPOSAL				
	1,0mm Galvanised sheet steel gutters and rainwater pipes				
47	100 x 80mm Roof gutters with beaded front edge	m	14		
48	Extra over gutter for stopped end	No	12		
49	Extra over gutter for outlet for 80mm pipe	No	2		
50	80mm Diameter rainwater pipes	m	5		
51	Extra over rainwater pipe for shoe.	No	2		
52	Extra over rainwater pipe for eaves or plinth offset.	No	2		
53	150 x 150mm Roof gutters with beaded front edge	m	142		
54	Extra over gutter for outlet for 100mm pipe	No	12		
55	100mm Diameter rainwater pipes	m	26		
56	Extra over rainwater pipe for shoe	No	11		
57	Extra over rainwater pipe for eaves or plinth offset	No	12		
	TAPS, VALVES, ETC				
	Cobra Watertech				
58	20mm 108-20RB bib-tap	No	1		
	ON EXTERNAL FLOATED PLASTER SURFACES				
	One coat alkali resistant primer and two coats extremely durable UV-resistant waterbased mica reinforced fine textured acrylic paint				
59	Walls	m²	46		
	ON SMOOTH CONCRETE SURFACES				
	One coat alkali resistant primer and two coats PVA emulsion paint for interior use, including stopping blow holes				
60	Walls and columns	m²	108		
	ON METAL SURFACES				
	One coat water based primer and two coats premium quality polyurethane enamel paint, on galvanised steel				
61	Eaves gutters	m²	111		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
62	Rainwater downpipes	m²	17		
	Carried to Collection			R	

BILL NO. 10

EXISTING CARPORTS

COLLECTION

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		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 11				
	PHOTOVOLTAIC ENTRANCE GATE				
	PREAMBLES				
	For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.				
	REMOVAL OF EXISTING WORK				
	Breaking down and removing brickwork etc				
1	One brick walls	m²	6		
	Breaking up carefully and setting aside for re-use existing precast concrete paving and reinstate in similar position				
2	80mm Paving to parking areas etc. to falls	m²	36		
3	Extra over for straight edge blocks	m	9		
	EXCAVATION ETC				
	Excavation in earth not exceeding 2m deep				
4	Trenches	m³	12		
	Extra over trench and hole excavations in earth for excavation in				
5	Soft rock	m³	0.63		
6	Hard rock	m³	0.32		
	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	3		
	Risk of collapse of excavations				
8	Sides of trench and hole excavations not exceeding 1,5m deep	m²	17		
	Keeping excavations free of water				
9	Keeping excavations free of all water other than subterranean water	Item			
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	FILLING ETC OTHER THAN BULK				
	Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density				
10	Backfilling to trenches, holes, etc	m³	3		
	SOIL POISONING				
	Soil insecticide in accordance with SANS 5859				
11	To bottoms and sides of trenches etc.	m²	23		
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	15MPa/19mm concrete				
12	Surface blinding under footings and bases	m³	0.32		
	REINFORCED CONCRETE CAST ON/IN FORMWORK				
	30MPa/19mm concrete				
13	Slabs including beams and inverted beams	m³	0.85		
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25MPa/19mm concrete				
14	Strip footings	m³	2		
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a wood float				
15	Surface beds, slabs, etc.	m²	5		
	TEST CUBES				
	Test cubes				
16	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1		
	SMOOTH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)				
	Smooth formwork to sides				
17	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	6		
18	Edges, risers, ends and reveals not exceeding 300mm high or wide circular to not exceeding 1m radius	m	3		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Smooth formwork to soffits				
19	Slabs propped up exceeding 1,5m and not exceeding 3m high	m²	5		
	Boxing in smooth formwork to form				
20	15 x 15mm Horizontal twice splayed chases or grooves to bottom edges of slabs	m	3		
21	15 x 15mm Chamfers along top or bottom edges, circular to not exceeding 1m radius	m	3		
	REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)				
	Mild steel reinforcement to structural concrete work				
22	8mm Diameter bars	Tonnes	0.04		
	High tensile steel reinforcement to structural concrete work				
23	12mm Diameter bars	Tonnes	0.15		
	BRICKWORK IN FOUNDATIONS (PROVISIONAL)				
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar				
24	One brick walls	m²	8		
	BRICKWORK SUNDRIES				
	2,5mm Brickwork reinforcement				
25	150mm Wide reinforcement built in horizontally	m	25		
	FACE BRICKWORK				
	Face brick with cost price of R5,000.00 (Five thousand Rands) net per thousand (Cost price to include for delivery to site but to exclude VAT) pointed with recessed horizontal and vertical joints as work proceeds.				
26	Extra over brickwork for face brickwork in foundations (Provisional)	m²	4		
27	Extra over brickwork for face brickwork	m²	22		
28	One brick walls in English bond pointed on both sides	m²	22		
29	One brick walls in English bond pointed on both sides circular on plan not exceeding 2m radius	m²	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Brick-on-edge header course copings, sills, etc of a cost price R5,000.00 (Five thousand Rands) net per thousand (Cost price to include for delivery to site but to exclude VAT), pointed with recessed joints on all exposed faces as work proceeds.				
30	220mm Copings on top of one brick walls	m	10		
31	220mm Copings on top of one brick walls circular on plan not exceeding 2m radius	m	3		
	WATERPROOFING TO ROOFS ETC				
	Prime with one coat bitumen primer and one layer 4mm fully bonded waterproof membrane comprising two bitumen layers reinforced with woven spunbonded polyester fabric and coated with polyethelene film for heat bonding, laid with 100mm side and 150mm end laps				
32	On flat roofs	m²	5		
33	On turn-ups and turn-downs exceeding 300mm girth	m²	1		
34	Sealing edges to brickwork or concrete	m	2		
	1,2mm Galvanised sheet steel flashings				
35	Cover flashings 150mm girth, including sealing top edge with mastic in and including groove in brickwork	m	5		
	Two coats bituminous aluminium paint				
36	On waterproofing to roofs	m²	5		
	GALVANISED STEEL GATES, SCREENS, ETC				
	Gates, screens etc				
37	2,040 x 1,820mm steel palisade panel of 50 x 50 x 3mm GMS angles at 150mm c/c, welded vertically to 60 x 60 x 8mm GMS angle iron bearer top and bottom including two 100 x 100 x 4mm hollow section posts welded on 160 x 160 x 8mm base plate bolted on brickwork	No	1		
38	Electrically operated pedestrian sliding gate for 2,200 x 2,295mm high opening, including electrical connection and commissioning (electrical isolator elsewhere) (Refer to architects drawing no. W106)	No	1		
39	Electrically operated vehicle sliding gate for 7,200mm wide opening, including electrical connection and commissioning (electrical isolator elsewhere) (Refer to architects drawing no. W106)	No	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Natural anodised alunimium fascia				
40	50 x 50 x 3mm Angle section corner protectors to horizintal corners, bolted to concrete through timber spacers with SS countersunk screws at 450mm c/c	m	3		
	EXTERNAL PLASTER				
	Cement plaster wood floated, on brickwork				
41	On walls	m²	3		
	Cement plaster wood floated, on concrete				
42	On ceilings	m²	5		
	ON NEW EXTERNAL FLOATED PLASTER SURFACES				
	One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use				
43	Walls	m²	8		
	ON NEW METAL SURFACES				
	One coat alkyd based zinc phosphate primer and two coats premium quality polyurethane enamel paint, on steel				
44	Gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m²	48		
	Carried to Collection			**R**	

BILL NO. 11

PHOTOVOLTAIC ENTRANCE GATE

COLLECTION

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		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 12				
	ADDITIONAL CARPORTS				
	PREAMBLES				
	For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.				
	EXCAVATION ETC				
	Excavation in earth not exceeding 2m deep				
1	Trenches	m³	8		
2	Holes	m³	10		
	Extra over trench and hole excavations in earth for excavation in				
3	Soft rock	m³	2		
4	Hard rock	m³	0.90		
	Extra over all excavations for carting away				
5	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m³	9		
	Risk of collapse of excavations				
6	Sides of trench and hole excavations not exceeding 1,5m deep	m²	58		
	Keeping excavations free of water				
7	Keeping excavations free of all water other than subterranean water	Item			
	FILLING ETC OTHER THAN BULK				
	Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density				
8	Backfilling to trenches, holes, etc.	m³	9		
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	15MPa/19mm concrete				
9	Surface blinding under footings and bases	m³	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	REINFORCED CONCRETE CAST ON/IN FORMWORK				
	25MPa/19mm concrete				
10	Columns	m³	2		
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25MPa/19mm concrete				
11	Strip footings	m³	3		
12	Bases	m³	4		
	TEST CUBES				
	Test cubes				
13	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	4		
	CONCRETE SUNDRIES				
	25MPa non-shrink grout				
14	Bedding approximately 20mm thick under 250mm diameter base plate including chamfered edges all round	No	12		
	SMOOTH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)				
	Smooth formwork to circular columns				
15	300mm Diameter column 2,64m high	No	12		
	REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)				
	High tensile steel reinforcement to structural concrete work				
16	10mm Diameter bars	Tonnes	0.03		
17	12mm Diameter bars	Tonnes	0.72		
	BRICKWORK IN FOUNDATIONS (PROVISIONAL)				
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar				
18	Piers	m³	0.18		
19	One brick walls	m²	5		
20	One and a half brick walls	m²	1		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	BRICKWORK IN SUPERSTRUCTURE				
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar				
21	Piers	m^3	1		
22	One brick walls	m^2	29		
23	One and a half brick walls	m^2	7		
	BRICKWORK SUNDRIES				
	2,5mm Galvanised brick reinforcement				
24	175mm Wide reinforcement built in horizontally	m	126		
	Prestressed fabricated concrete lintels including necessary temporary supports				
25	110 x 75mm Lintels in lengths not exceeding 3m	m	7		
	Turning pieces to lintels etc.				
26	110mm Wide turning pieces	m	6		
	FACE BRICKWORK				
	Face face bricks with a cost price of R5,000.00 (five thousand Rands) net per thousand (cost price to include for delivery to site but to exclude VAT), pointed with recessed horizontal and flush vertical joints as the work proceeds				
27	Extra over brickwork for face brickwork in foundations (Provisional)	m^2	5		
28	Extra over brickwork for face brickwork	m^2	79		
	WATERPROOFING TO ROOFS, BASEMENTS, ETC				
	One layer 4mm special polyester fully bonded waterproof membrane comprising a matrix modified with polypropylene dual reinforced with non-woven polyester cloth and glass fibre tissue, laid with 75mm side and 100mm end laps				
29	Bandage cover flashing strips 500mm girth at turn-ups, including sealing top edge with mastic in and including groove in brickwork	m	16		
	PROFILED METAL SHEETING AND ACCESSORIES				
	0,6mm Z275 spelter galvanised corrugated sheet steel and accessories, with silicone polyester baked enamel paint finish on one side, fixed to steel purlins or rails				
30	Roof covering circular along the fall to 5,20m radius	m^2	217		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	GALVANISED STEEL COLUMNS AND BEAMS				
	Welded beams in single lengths with flat bearer and connection plates, bolted to steel				
31	152mm Diameter hollow section beam of 5mm thick sides circular along fall to 5,0m radius	Tonnes	1.03		
	GALVANISED STEEL PURLINS, GIRTS, BRACING, ETC				
	Purlins and girts, bolted to steel				
32	Angle bearers circular along fall to a radius of 5,075mm	Tonnes	0.08		
33	125 x 75 x 20 x 3,5mm Thick cold-formed lipped channel purlins	Tonnes	1.90		
	BOLTS, FASTENERS, ETC				
	Bolts and fasteners				
34	20mm Diameter chemical anchor	No	64		
	PAINTING				
	Touch-up primer, one coat undercoat to 100-125 micron dry film thickness and one finishing coat to 50-70 micron dry film thickness				
35	On galvanised steel columns, beams, etc.	m²	190		
	SUNDRY ALUMINIUM WORK (CPAP WORK GROUP NO. 140)				
	Natural anodised aluminium cappings with sealed joints fixed to brickwork or concrete				
36	Type 125 x 75 x 20 x 2,5mm Fascia circular along fall to 5,075mm internal radius	m	24		
	EXTERNAL PLASTER				
	Cement plaster wood floated, on brickwork				
37	On narrow widths	m²	10		
	RAINWATER DISPOSAL				
	1,0mm Galvanised sheet steel gutters and rainwater pipes				
38	150 x 150mm Roof gutters with beaded front edge	m	72		
39	100mm Diameter rainwater pipes	m	22		
40	Extra over gutter for stopped end	No	8		
41	Extra over gutter for outlet for 100mm pipe	No	8		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
42	Extra over rainwater pipe for shoe	No	8		
43	Extra over rainwater pipe for eaves or plinth offset	No	8		
	ON EXTERNAL FLOATED PLASTER SURFACES				
	One coat alkali resistant primer and two coats extremely durable UV-resistant waterbased mica reinforced fine textured acrylic paint				
44	Walls	m²	5		
	ON METAL SURFACES				
	One coat water based primer and two coats premium quality polyurethane enamel paint, on galvanised steel				
45	Eaves gutters	m²	32		
46	Rainwater downpipes	m²	7		
	Carried to Collection			**R**	

BILL NO. 12

ADDITIONAL CARPORTS

COLLECTION

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		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 13				
	EXISTING LINK PASSAGES				
	PREAMBLES				
	For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.				
	REMOVAL OF EXISTING WORK				
	Breaking up and removing unreinforced concrete				
1	350mm Wide x 75mm thick copings	m	65		
	Breaking up and removing reinforced concrete, including cutting off and removing reinforcement				
2	100mm Thick aprons	m²	121		
	Breaking down and removing brickwork etc				
3	Half brick walls	m²	105		
	Taking out and removing doors, windows, etc from brickwork to be demolished				
4	Aluminium double door and frame exceeding 2,5m and not exceeding 5m	No	4		
5	Glazed aluminium window not exceeding 2,5m	No	32		
6	Glazed steel window exceeding 2,5m and not exceeding 5m	No	16		
7	Aluminium louvre 220 x 840m high	No	40		
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc				
8	Gypsum plasterboard ceilings, including timber brandering, cornices, etc	m²	126		
9	Steel flashing and counter flashing girth 360mm	m	48		
	Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc				
10	35mm Screed from floors	m²	300		
11	External plaster from walls, columns and beams	m²	10		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Hacking up/off and removing ceramic tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish, etc				
12	Tiles to floors	m²	300		
13	Tile skirtings 200mm high	m	147		
14	Stone cladding to walls	m²	64		
	Hacking up/off and removing granolithic, screeds, plaster, etc. from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc.				
15	4mm Waterproofing membrane from roofs	m²	106		
	Sundries				
16	5mm Wide x 40mm deep saw cut grooves in top of surfaces of concrete surface bed	m	11		
17	3mm Wide x 40mm deep saw cut grooves in top of surfaces of concrete surface bed	m	4		
	PREPARATORY WORK TO EXISTING SURFACES				
	Preparatory work				
18	Skimmng existing surface of concrete treshholds to smooth and neat finish	m²	1		
	EXCAVATION ETC				
	Excavation in earth not exceeding 2m deep				
19	Holes	m³	2		
	Extra over trench and hole excavations in earth for excavation in				
20	Soft rock	m³	1		
21	Hard rock	m³	1		
	Extra over all excavations for carting away				
22	Surplus material from excavations and/or stock piles on site, to a dumping site to be located by the contractor	m³	1		
	Risk of collapse of excavations				
23	Sides of trench and hole excavations not exceeding 1,5m deep	m²	7		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Keeping excavations free of water				
24	Keeping excavations free of all water other than subterranean water	Item			
	FILLING ETC OTHER THAN BULK				
	Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density				
25	Backfilling to trenches, holes, etc.	m³	2		
	SOIL POISONING				
	Weedkiller mixed in the proportion of 100 ml weedkiller to 100 l water and applied at a rate of 10 l/m²				
26	Under paving etc	m²	2		
	REINFORCED CONCRETE CAST ON/IN FORMWORK				
	25MPa/19mm concrete				
27	Columns in foundations (Provisional)	m³	3		
28	Columns	m³	1		
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25MPa/19mm concrete				
29	Bases	m³	1		
	TEST CUBES				
	Test cubes				
30	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	1		
	PERMANENT FORMWORK (CPAP WORK GROUP NO. 111)				
	9,5mm Fibre cement building column				
31	300mm Diameter column, 2,5m high	No	1		
32	250mm Diameter half cut column, 2,110m high	No	4		
	MOVEMENT JOINTS ETC				
	Expansion joints with 25mm softboard closed cell expanded polyethylene between vertical concrete and brick surfaces				
33	Not exceeding 300mm high between brick or concrete surfaces	m	58		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	REINFORCEMENT (PROVISIONAL)				
	Mild steel reinforcement to structural concrete work				
34	8mm Diameter bars	Tonnes	0.05		
	High tensile steel reinforcement to structural concrete work				
35	12mm Diameter bars	Tonnes	0.18		
	Sundry reinforcement				
36	Drill mortice for and including 16mm diameter x 300mm long high tensile steel dowel, with one end epoxied with "Epidermix 372" or similar approved epoxy into one side of existing brick wall, column, etc., and other end cast into side of new concrete	No	28.00		
	PRECAST CONCRETE COPINGS ETC				
	Precast concrete finished smooth on exposed surfaces including bedding, jointing and pointing				
37	320 x 80mm Thick overall copings twice weathered on top to 60mm thick along both edges, with drip groove in bottom along both edges (Type Old World Concretes Residency 320) or similar approved	m	65		
38	165 x 90mm Thick overall window sills with 150mm wide weathered rebate in top and drip groove in bottom (Type Watcrete Code: E)	m	82		
39	53 x 150mm PC Concrete Threshold	m	8		
	BRICKWORK IN SUPERSTRUCTURE				
	Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar				
40	Half brick walls against existing surfaces	m²	3		
41	One brick walls	m²	100		
	2,5mm Galvanised brick reinforcement				
42	75mm Wide reinforcement built in horizontally	m	9		
43	150mm Wide reinforcement built in horizontally	m	291		
	DAMPPROOFING OF WALLS AND FLOORS				
	One layer 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B)				
44	In walls	m²	19		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Two coats 'SIKA' or similar approved bitumen emulsion waterproof coating				
45	On concrete walls and columns in foundations (Provisional)	m²	17		
	WATERPROOFING TO ROOFS, BASEMENTS, ETC				
	4mm "Derbigum SP" or similar approved waterproofing covered with type 40 bituminous fibreglass felt				
46	On flat roofs	m²	82		
47	On turn-ups and turn-downs exceeding 300mm girth	m²	28		
48	Sealing edges to brickwork or concrete including trowelled mastic bead	m	95		
49	Additional membrane 300mm girth at internal and external angles	No	24		
50	Collar and sealing around pipe not exceeding 100mm internal diameter	No	24		
	1.2mm Galvanised sheet steel flashings				
51	Counter flashings	m	140		
52	Cover flashings 150mm girth, including sealing top edge with mastic in and including groove in brickwork	m	42		
	Protective paving				
53	610 x 610 x 50mm Thick PC slab on PVC spacers	m²	82		
	PROTECTIVE ROOFING PAINT				
	Two coats bituminous aluminium paint				
54	On waterproofing to roofs	m²	106		
	SEALING STRIPS, JOINT SEALANTS, ETC				
	Silicone sealing compound including backing cord, bond breaker, primer, etc.				
55	10 x 10mm Around alumunium windows including raking out existing silicon joint filler as necessary	m	298		
	PROFILED METAL SHEETING AND ACCESSORIES				
	1,2mm Z275 spelter galvanised corrugated sheet steel and accessories, with silicone polyester baked enamel paint finish on one side, fixed to timber purlins				
56	Side wall flashings 462mm girth	m	28		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
57	Cover flashings 185mm girth	m	28		
58	Side wall flashings 462mm girth circular along fall to 2,0m radius	m	20		
59	Cover flashings 185mm girth circular along fall to 2,0m radius	m	20		
	CEILING TIMBERS, BEADS, INSULATION, ETC				
	Non-combustible fibreglass insulation of a density of not less than 12kg/m3 bonded with an inert thermo-setting with single aluminium foil on the underside				
60	50mm Insulation in blanket form lapped not less than 50mm along all edges and laid on top of fibre cement ceilings (elsewhere) between steel purlins etc	m²	126		
	NAILED-UP CEILINGS				
	9mm Fibre-cement plain ceiling boards with 8 x 10mm aluminium square edge trim type: Kirk ASSQE100 strips over joints				
61	Sloping ceilings screwed to steel purlins at 450mm centres in one direction only	m²	126		
	FLOOR COVERINGS				
	2,5mm Type Eclipse Pur fully flexible vinyl sheeting with welded joints				
62	On floors	m²	215		
63	Turn-ups over coves and up against walls not exceeding 500mm girth	m	164		
	SKIRTINGS, NOSINGS, ETC				
	Type "Poly Flor" skirtings, nosings, etc.				
64	Code: CS 48 vinyl edging, 35mm profile with 15mm turned down flap	m	164		
	Type "FloorworX" skirtings, nosings, etc.				
65	Code: MCF54 vinyl quarter rounds	m	164		
	SUNDRIES				
	Door mats manufactured by MATCO DM ALUMINIUM SLIMLINE or similar				
66	1,500 x 600 x 12mm Thick door mat laid loose in mat surround	No	2		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	ALUMINIUM MINOR WORK				
	Natural anodised aluminium				
67	40 x 40 x 4mm Angle section corner protectors in 1,000mm lengths to vertical corners, anchored to wall with SS countersunk screws at max 350mm c/c	m	16		
	ALUMINIUM WINDOWS, DOORS, ETC (CPAP WORK GROUP NO. 140)				
	Powder coated tilt and turn window units as per FT4000 system complete with subframes, ironmongery, glass, sealing, etc. and fixing to brickwork or concrete				
68	Purpose made window, 880 x 1,100mm high (drawing no. W501)	No	4		
69	Purpose made window, 1,200 x 1,100mm high (drawing no. W501)	No	4		
70	Purpose made window, 1,300 x 1,100mm high (drawing no. W501)	No	4		
71	Purpose made window, 1,660 x 1,100mm high (drawing no. W501)	No	4		
72	Purpose made window, 1,800 x 1,100mm high (drawing no. W501)	No	16		
73	Purpose made window, 2,085 x 1,100mm high (drawing no. W501)	No	16		
74	Purpose made double door, 1,600 x 2,100mm high (drawing no. W503)	No	2		
75	Purpose made double door, 1,800 x 2,360mm high (drawing no. W503)	No	2		
	Servicing existing windows, doors etc				
76	Carefully examine hinges, handles and stays to aluminium windows, supply and install screw cover caps, oil and ease same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 900 x 900mm high	No	6		
	POWDER COATED HORIZONTAL ALUMINIUM LOUVRE UNITS (CPAP WORK GROUP NO. 140)				
	Fixed louvre units fixed to brickwork, concrete or steel				
77	Purpose made louvre unit for 220 x 840mm high opening	No	40		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	SUNDRY STAINLESS STEELWORK				
	The following in stainless steel hand rails				
78	38 x 3mm Diameter hollow section top and bottom handrails welded to flanges (elsewhere) and bolted to sides of concrete columns as per architect's drawing no. W112	m	203		
79	38 x 3mmDiameter hollow section vertical post 1,2m long with one end welded to top hand rail, middle welded to bottom rail and other end welded to and including 4mm thick x 64mm diameter flange plate twice holed for bolts (elsewhere) as per architect's drawing no. W401	No	16		
80	Extra over 35 x 3mm diameter hollow section bumper rail for L-intersection	No	16		
81	Extra over 35 x 3mm diameter hollow section bumper rail for T-intersection	No	16		
82	3 mm x 64 mm Diameter flange plate twice holed for bolts (elsewhere) and welded to side of bumper rail (elsewhere)	No	112		
83	10 mm Diameter x 75 mm long expansion bolt, including mortice in brickwork or concrete.	No	448		
	SUNDRY ALUMINIUM WORK (CPAP WORK GROUP NO. 140)				
	Natural anodised draught protection fitting comprising of aluminium carrier with EPDM wipe seal fixed to bottom edge of door leaf				
84	Home Quip Aluminium Door Seal with Brush Strip - Silver (1000mm) or similar approved	No	8		
	ALUMINIUM WINDOWS, DOORS, ETC. (CPAP WORK GROUP NO. 140)				
	Powder coated door units as per FT4000 system complete with subframes, ironmongery, glass, sealing, etc. and fixing to brickwork or concrete				
85	Purpose made double door, 1,600 x 2,190mm high (drawing no. W502)	No	1		
86	Purpose made double door, 1,800 x 2,360mm high (drawing no. W502)	No	1		
	SCREEDS				
	Screeds wood floated, on concrete				
87	35mm Thick on floors and landings	m²	101		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
88	Average 35mm thick on roofs with upper surface to falls and currents	m²	85		
	Screeds steel trowelled, on concrete				
89	35mm Thick on floors and landings	m²	215		
	INTERNAL PLASTER				
	Cement plaster rendering coat with gypsum skim plaster finishing coat, on brickwork				
90	On walls	m²	101		
	Cement plaster rendering coat with gypsum skim plaster finishing coat, on concrete				
91	On projecting and isolated columns	m²	28		
	EXTERNAL PLASTER				
	Cement plaster wood floated, on brickwork				
92	On walls	m²	171		
93	On narrow widths not exceeding 300mm wide	m²	28		
	Cement plaster wood floated, on concrete				
94	On projecting and isolated circular columns	m²	12		
	SUNDRIES				
	Brass dividing strips				
95	30 x 5 x 3mm L-section dividing strips to frame mat recess	m	5		
	FLOOR TILING				
	350 x 350 x 6mm Johnson tile, type: Kilimanjaro matt ceramic floor tiles fixed with adhesive to screed (screed elsewhere) and flush pointed with tinted waterproof grout				
96	On floors and landings	m²	101		
97	Skirting 200mm high of cut tiles	m	8		
	CORNER PROTECTORS, DIVIDING STRIPS, ETC				
	Edge strips, etc.:				
98	20 x 12mm Stainless dividing strips between differing wall finishes, type Kirk or similar approved	m	17		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	RAINWATER DISPOSAL				
	1,2mm Galvanised sheet steel gutters and rainwater pipes				
99	100 x 100mm Roof gutters with beaded front edge	m	195		
100	Extra over gutter for stopped end	No	32		
101	Extra over gutter for angle	No	4		
102	Extra over gutter for outlet for 180mm pipe	No	38		
103	80mm Diameter rainwater pipes	m	91		
104	Extra over rainwater pipe for shoe	No	38		
105	Fix firmly into position existing 100 x 100mm eave gutter with 4mm bracket at 750mm c/c	No	260		
106	Fix firmly into position existing 80mm diameter rainwater down pipe with 4mm bracket at 750mm c/c	No	114		
	1,2mm Galvanised steel pipes with screwed and socketed joints				
107	76mm diameter x 3mm Weep pipe 550mm long welded to to a pair of 150mm diameter x 5mm galvanised steel flange, with splay-cut end, built through brickwork (refer to drawing no. W401)	No	24		
	GLAZING TO ALUMINIUM WITH SCREWED-ON BEADS (BEADS ELSEWHERE)				
	Sundries				
108	Permanently mark existing glass panels with glass code	No	108		
	PAINTWORK				
	Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SANS 1091				
	ON INTERNAL FLOATED PLASTER SURFACES				
	One coat primer and two coats PVA emulsion paint for interior use				
109	Walls	m²	495		
	ON EXTERNAL FLOATED PLASTER SURFACES				
	Two coats "Plascon" fibre seal, one coat "Plascon" PTX 1400 and two coats "Plascon" professional low sheen				
110	Copings	m²	10		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
111	Walls	m²	278		
	ON SMOOTH CONCRETE SURFACES				
	One coat enamel paint for exterior use, including stopping blow holes				
112	Copings	m²	38		
113	Window sills	m²	21		
114	Columns	m²	179		
	One epoxy floor paint for interior and exterior use, including stopping blow holes				
115	Thresholds	m²	1		
	ON INTERNAL GYPSUM PLASTER SURFACES				
	One coat superior quality acrylic emulsion paint for interior and exterior use, on work in sound condition				
116	Ceilings and cornices	m²	106		
	ON FIBRE-CEMENT BOARD SURFACES				
	One coat alkali resistant primer and two coats enamel paint for interior and exterior use				
117	Sills not exceeding 300mm girth	m	84		
	One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use				
118	Ceilings and cornices, including priming metal cover strips and nailheads	m²	298		
	ON METAL SURFACES				
	One coat water based primer and two coats premium quality polyurethane enamel paint, on galvanised steel				
119	Gates, grilles, burglar screens, balustrades, etc. (both sides measured over the full flat area)	m²	210		
120	Eaves gutters	m²	58		
121	Flashings and counter flashings	m²	9		
122	Rainwater downpipes	m²	23		
	Touch-up primer, one coat undercoat to 100-125 micron dry film thickness and one finishing coat to 50-70 micron dry film thickness				
123	On galvanised steel columns, beams, etc.	m²	292		
	Carried to Collection			**R**	

BILL NO. 13

EXISTING LINK PASSAGES

COLLECTION

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		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 14				
	NEW LINK PASSAGE				
	PREAMBLES				
	For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.				
	EXCAVATION ETC				
	Open face excavation in earth over sloping site				
1	Open face excavation	m³	14		
	Excavation in earth not exceeding 2m deep				
2	Trenches	m³	3		
3	Holes	m³	7		
	Extra over trench and hole excavations in earth for excavation in				
4	Soft rock	m³	1		
5	Hard rock	m³	1		
	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	5		
	Risk of collapse of excavations				
7	Sides of trench and hole excavations not exceeding 1,5m deep	m²	74		
	Keeping excavations free of water				
8	Keeping excavations free of all water other than subterranean water.	Item			
	FILLING ETC OTHER THAN BULK				
	Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density				
9	Under floors, steps, pavings, etc.	m³	18		
10	Backfilling to trenches, holes, etc.	m³	5		
	G5 filling supplied by the contractor, compacted to 95% Mod AASHTO density				
11	Under floors, steps, pavings, etc.	m³	18		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Coarse river sand filling supplied by the contractor				
12	Under floors etc.	m³	6		
	Compaction of surfaces				
13	Compaction of ground surface under floors etc. including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m²	118		
	Prescribed density tests on filling				
14	Modified AASHTO Density test	No	4		
	SOIL POISONING				
	Soil insecticide in accordance with SANS 5859				
15	Under floors etc. including forming and poisoning shallow furrows against foundation walls etc., filling in furrows and ramming	m²	118		
16	To bottoms and sides of trenches etc.	m²	92		
	UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	15MPa/19mm concrete				
17	Surface blinding under footings and bases	m³	0.43		
	REINFORCED CONCRETE CAST ON/IN FORMWORK				
	30MPa/19mm concrete				
18	Columns in foundations (Provisional)	m³	2		
19	Columns	m³	14		
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	30MPa/19mm concrete				
20	Bases	m³	2		
21	Surface beds cast in panels on waterproofing	m³	68		
	TEST CUBES				
	Test cubes				
22	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	2		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	CONCRETE SUNDRIES				
	Finishing top surfaces of concrete smooth with a wood float				
23	Surface beds, slabs, etc.	m²	58		
	Finishing top surfaces of concrete smooth with a steel trowel				
24	Surface beds, slabs, etc.	m²	1		
	25MPa non-shrink grout				
25	Bedding approximately 20mm thick under 250 x 250mm base plate including chamfered edges all round	No	2		
	SMOOTH FORMWORK (DEGREE OF ACCURACY II) (CPAP WORK GROUP NO. 111)				
	Smooth formwork to sides				
26	Rectangular columns in foundations (Provisional)	m²	16		
27	Rectangular columns	m²	16		
28	Irregular shaped columns	m²	5		
	Smooth formwork to circular and partly circular columns				
29	Semi-circular side of column 250mm diameter x 2,200mm high (Rectangular sides elsewhere)	No	20		
30	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	51		
	Boxing in smooth formwork to form				
31	15 x 15mm Vertical chamfers at corners	m	240		
	PERMANENT FORMWORK (CPAP WORK GROUP NO. 111)				
	Permanent formwork formed of "Everite" fibre cement column:				
32	300mm Diameter, 9mm wall thickness column, 2,860mm high	No	2		
	MOVEMENT JOINTS ETC				
	Expansion joints with 25mm softboard closed cell expanded polyethylene between vertical concrete and brick surfaces				
33	Not exceeding 300mm high to edges of surface beds	m	8		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Vertical construction joints through concrete including thick cement slurry to one face				
34	Surface beds not exceeding 300mmm thick	m	8		
	REINFORCEMENT (PROVISIONAL) (CPAP WORK GROUP NO. 114)				
	Mild steel reinforcement to structural concrete work				
35	8mm Diameter bars	Tonnes	0.22		
	High tensile steel reinforcement to structural concrete work				
36	10mm Diameter bars	Tonnes	0.86		
37	12mm Diameter bars	Tonnes	1.08		
	Fabric reinforcement				
38	Type 245 fabric reinforcement in concrete surface beds etc.	m²	58		
	PRECAST CONCRETE COPINGS ETC				
39	75 x 300mm rectangular kerb	m	84		
	DAMPPROOFING OF WALLS AND FLOORS				
	One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape				
40	Under surface beds	m²	98		
	SEALING STRIPS, JOINT SEALANTS, ETC				
	'abe Thioflex 600 or similar approved' SABS 110-1973 two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc.				
41	10 x 10mm In expansion joints in floors including raking out expansion joint filler as necessary	m	8		
	PROFILED METAL SHEETING AND ACCESSORIES				
	0,6mm Z275 spelter galvanised corrugated steel sheets with Chromadeck finish of approved standard colour on one side and standard grey backing finish on reverse side, fixed to timber steel purlins or rails				
42	Roof covering circular along the fall to 2,0m radius	m²	82		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	1,2mm Z275 spelter galvanised steel sheet accessories to preceding roof covering with Chromadeck finish of approved standard colour on one side and standard grey backing finish on reverse side				
43	Side wall flashings 462mm girth circular along fall to 2,0m radius	m	3		
44	Cover flashings 185mm girth	m	3		
	0,6mm Z275 spelter galvanised ribbed steel sheets in single lengths with Chromadeck finish of approved standard colour on one side and standard grey backing finish on reverse side, fixed to steel purlins or rails				
45	Roof covering with pitches not exceeding 25 degrees	m²	10		
46	Head wall flashings 462mm girth	m	3		
47	Side wall flashings 462mm girth	m	8		
48	Cover flashings 185mm girth	m	3		
49	Gable trims 360mm girth	m	8		
	GALVANISED STEEL TRUSSES				
	Welded roof trusses of round hollow section rafters, tie beams, rails, struts, braces, cleats, etc and flat bearer, gusset and connection plates, bolted to steel				
50	Monopitched trusses 3,76 x 0,81m high extreme (In No 2)	Tonnes	0.11		
51	Double pitched trusses 2,76 x 1,54m high extreme (In No 12)	Tonnes	0.61		
	GALVANISED STEEL PURLINS, GIRTS, BRACING, ETC				
	Purlins and girts, bolted to steel				
52	75 x 50 x 20 x 2,5mm Thick cold-formed lipped channel purlins	Tonnes	0.01		
53	100 x 50 x 20 x 2,5mm Thick cold-formed lipped channel purlins	Tonnes	0.54		
54	125 x 50 x 20 x 2,5mm Thick cold-formed lipped channel purlins	Tonnes	0.01		
	BOLTS, FASTENERS, ETC				
	Bolts				
55	High tensile bolts (class 8.8)	Kg	2.00		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	Anchors				
56	16mm Diameter threaded anchor bolt 375mm long welded to 60 x 60 x 10mm plate washer embedded in top of concrete	No	96		
57	20mm Diameter threaded anchor bolt 440mm long embedded in top of concrete	No	8		
	PAINTING				
	Touch-up primer, one coat undercoat to 100-125 micron dry film thickness and one finishing coat to 50-70 micron dry film thickness				
58	On galvanised steel columns, beams, etc.	m²	88		
	SCREEDS				
	Cement plaster screeds wood floated, on concrete				
59	35mm Thick on floors and landings	m²	58		
	FLOOR TILING				
	350 x 350 x 6mm Johnson tile, type: Kilimanjaro matt ceramic floor tiles fixed with adhesive to screed (screed elsewhere) and flush pointed with tinted waterproof grout				
60	On floors and landings	m²	59		
61	Skirting 100mm high of cut tiles	m	2		
	SUNDRIES				
	Corner protectors, stair nosings, expansion joint strips, etc.				
62	M•Trim Stainless steel 6 x 15mm high aluminium movement joint (Code: SMJ150.08) with rubber inlay	m	8		
	RAINWATER DISPOSAL				
	1,6mm Galvanised sheet steel gutters and rainwater pipes				
63	100 x 100mm Roof gutters with beaded front edge	m	48		
64	Extra over gutter for stopped end	No	4		
65	Extra over gutter for outlet for 80mm pipe	No	10		
	1,0mm Galvanised sheet steel gutters and rainwater pipes				
66	80mm Diameter rainwater pipes	m	20		
67	Extra over rainwater pipe for shoe	No	10		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
68	Extra over rainwater pipe for eaves or plinth offset	No	10		
	ON NEW SMOOTH CONCRETE SURFACES				
	One coat bonding liquid, one coat primer and two coats superior quality acrylic emulsion paint for interior and exterior use, including stopping blow holes				
69	Walls and columns	m²	21		
	ON NEW FIBRE-CEMENT BOARD SURFACES				
	One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use				
70	Columns	m²	4		
	ON NEW METAL SURFACES				
	One coat water based primer and two coats premium quality polyurethane enamel paint, on galvanised steel				
71	Members of lattice columns and beams	m²	88		
72	Eaves gutters	m²	37		
73	Rainwater downpipes not exceeding 300mm girth	m	20		
	Carried to Collection			**R**	

BILL NO. 14

NEW LINK PASSAGE

COLLECTION

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		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 15				
	PRESCRIBED TEMPORARY WORKS				
	PREAMBLES				
	For preambles see model Preambles for trades and Supplementary Preambles as specified in the trades.				
	TEMPORARY FENCING TO CORDON OFF WORKS BETWEEN VARIOUS SECTIONS (CPAP Work Group No. 134)				
	Temporary barricades, screens, roofs, etc including removal				
1	Dust screen 3,0m high between concrete floor and ceiling, of suitable timber framing with 375 micron polyethylene sheeting stapled on on one side , including corners, ends, etc	m	10		
2	1,80m High profiled steel panel fence fixed to and including 85mm diameter steel posts at 5,0m centres cast in suitable sized concrete bases, including excavations, formwork, backfilling, cart away etc., installed complete.	m	287		
3	900mm x 1800mm High Pedestrian gate, including gate posts, excavations, formwork, backfilling, cart away etc., installed complete.	No	1		
4	6,000mm x 1,800mm High Vehicle gate, including gate posts, excavations, formwork, backfilling, cart away etc., installed complete.	No	2		
5	Safety signage	No	20		
	SITE CLEARANCE				
	Site clearance				
6	Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees irrespective of girth, Tenderer to visit site and establish extent of rubbbish, debris, etc to be removed)	m^2	18 544		
	Carried To Section Summary			**R**	

		Unit	Quantity	Rate	Amount
	SECTION NO. 3				
	EXTERNAL WORKS				
	BILL NO. 16				
	DEMOLITIONS				
	SUPPLEMENTARY PREAMBLES				
	View site				
	Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained				
	Explosives				
	No explosives whatsoever may be used for demolition purposes unless otherwise stated				
	General				
	Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent				
	Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site				
	DEMOLITIONS				
	Taking down and removing				
1	Jojo tank with a capacity of 5,000 with steel tank stand, including foundations, 7,5m high overall Note: The following items are to remain the property of the employer and are to be carefully taken out, temporarily stored, and handed over to the employer: 1. Jojo tank, 2. Tank stand	No	2		
	Demolishing and removing				
2	Conservancy tank 5,5 x 3,5m wide not exceeding 2m deep, comprising reinforced concrete surface bed, one brick walls, and reinforced concrete slab, including backfilling and compaction	No	2		
3	Excavation in earth not exceeding 2m deep to remove foundations (Provisional)	m³	90		
4	Extra over for removal of brickwork (Provisional)	m³	16		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
5	Extra over for removal of reinforced concrete (Provisional)	m³	9		
	FILLING ETC OTHER THAN BULK				
	Earth filling obtained from the excavations and/or prescribed stock piles on site, compacted to 95% Mod AASHTO density				
6	Backfilling to trenches, holes, etc.	m³	90		
	Carried to Collection			**R**	

		Amount
BILL NO. 16		
DEMOLITIONS		
COLLECTION		
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SECTION NO. 3

EXTERNAL WORKS

SECTION SUMMARY

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1	SOIL DRAINAGE	376	
2	ROADWORKS, PARKING AREAS AND PAVING	384	
3	STORMWATER SUMP	391	
4	SEWER TREATMENT PLANT	395	
5	WATER SUPPLY	400	
6	TELECOMMUNICATION TOWER FOUNDATION	404	
7	PHOTOVOLTAIC STRUCTURE	408	
8	STORMWATER DRAINAGE	413	
9	SECURITY FENCING	424	
10	EXISTING CARPORTS	431	
11	PHOTOVOLTAIC ENTRANCE GATE	437	
12	ADDITIONAL CARPORTS	443	
13	EXISTING LINK PASSAGES	455	
14	NEW LINK PASSAGE	463	
15	PRESCRIBED TEMPORARY WORKS	464	
16	DEMOLITIONS	467	

Carried to Final Summary **R**

Section No. 3
SECTION SUMMARY

SECTION NO. 4

EXPANDED PUBLIC WORKS PROGRAMME (EPWP)

	Unit	Quantity	Rate	Amount

SECTION NO. 4

EXPANDED PUBLIC WORKS PROGRAMME (EPWP)

BILL NO. 1

TRAINING OF YOUTH WORKERS

PREAMBLES

Tenderers are advised to study the Additional Specification SL: Employment and Training of Labour on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service, as bound elsewhere in the Bills of Quantities, and then price this Bill accordingly.

Training shall be provided for the following trades:

1. Bricklaying and Plastering
2. Carpentry
3. Tiling
4. Plumbing
5. Electrical
6. Paintwork

EPWP is outside the local participation goals, the goals must still be adhered to.

Geneal

Specification of tools shall be as follows:

Electricians:

· Toolbox 480mm Big Jim

· Small Padlock

· 5m Tape measure

· Screwdriver set 6 piece Electrical

· Chalk line

· Tester auto voltage · Fragram crimping tool

· Pliers/Side cutter set 160mm

· Carpenter pencil x2

· 1.1 kg Club Hammer

· Masonry Chisel 250 x 25mm

Bricklayers:

· Toolbox 480mm Big Jim

· Webco spirit level D100-450

· Trowel brick 300mm

Carried to Collection			**R**	

	Unit	Quantity	Rate	Amount
· Trowel plaster				
· White wash brush				
· Masonry Chisel 250 x 25mm				
· Hammer claw all steel 500g				
· Brick Bolster				
· Small Padlock				
· 5m Tape measure				
· Fragram Builders line model 0.7mm				
· Carpenter pencil x2				
· Gauging Trowel				
· 1.1 kg Club Hammer				
Carpenters:				
· Toolbox 480mm Big Jim				
· 5m Tape measure				
· Hammer claw all steel 500g				
· Screwdriver set 6 piece				
· Webco combination square				
· Small Padlock				
· Webco wood chissel 19mm				
· Webco pliers combination 200mm				
· Saw back 300mm				
· Carpenters pencil red x2				
· Nail and tool waist pouch				
Tilers:				
· Toolbox 480mm Big Jim				
· 5m Tape measure				
· Trowel tile floor				
· Float wooden				
· Spirit level 450mm				
· White wash brush				
· Scrapers 50mm				
· Scrapers 80mm				
· Scrapers 30mm				
· Spackle set				
· Rubber mallet 500g				
Carried to Collection			**R**	

	Unit	Quantity	Rate	Amount
· Knife trimming fixed blade				
· Combination square				
· Tile cutter (medium)				
· Tile nipper 200mm				
· Small Padlock				
· Carpenter pencil x2				
· Webco chalk line 2pce				
Plumbers:				
· Toolbox 480mm Big Jim				
· 5m Tape measure				
· Hammer Club 1.1 kg wooden handle				
· Pliers 300mm water pump				
· Hacksaw 225mm				
· Tube and pipe cutter 26mm				
· Chisel 250 x 25mm				
· Screwdriver set Lasher 6 piece				
· Small Padlock				
· Webco spirit level D100-450				
· Carpenter pencil x2				
Painters:				
· Toolbox 480mm Big Jim				
· Scrapers 50mm				
· Scrapers 80mm				
· Scrapers 30mm				
· Spackle set				
· Hammer claw all steel 500g				
· webco chalk line 2pce				
· Sanding blocks rubber				
· Painter brush 12mm				
· Painter brush 25mm				
· Painter brush 38mm				
· Painter brush 50mm				
· Fragram Knife trimmer fixed blade				
· Small Padlock				
· 5m Tape measure				
Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
	· Carpenters pencil red x2				
	· Paint roller classic refill 225mm				
	· Paint roller handle steel complete				
	· Steel Brush				
	· Paint roller complete 100mm				
	TRAINING OF YOUTH WORKER (TARGET: 20 FOR A PERIOD OF 12 MONTHS)				
	Stipend will only be paid to students who attend the full programme. If the student does not attend all days, the attendance registers will be used for a pro rata payment in accordance with attendance.				
	Orientation, Life skills development and technical training				
1	Orientation and life skills development training for youth workers for an average of 5 days per youth worker	No	20		
2	Technical skills training for youth workers for an average of 80 days per youth worker	No	20		
	Stipend				
3	Stipend per youth worker at R 3,700.00 per month for a period of 3 months	Item			
	Provision of small tools for youth workers				
4	Provide all youth workers with prescribed tools for their respective trades , for an amount not exceeding R 1,500.00 (One thousand five hundred rand) per learner. Specification for the mentioned tools to be as per the preambles. These tools will become the property of the youth workers after the completion of the programme	No	20		
	Experimental programme for youth workers				
	After training the students are the required to work on site with the contractor for a period of 9 months.				
5	Stipend per youth worker at R 3,700.00 per month for a period of 9 months	Item			
	Provision of compulsory medical tests				
6	Compulsory medical tests (for 20 students)	Item			
	Personal protective equipment (PPE)				
7	Safety boots	Pairs	20		
8	Hard hat	No	20		
	Carried to Collection			**R**	

		Unit	Quantity	Rate	Amount
9	Work suit with reflector	No	20		
10	Hand gloves	Pairs	20		
11	Goggles	No	20		
	Carried to Collection			**R**	

BILL NO. 1

TRAINING OF YOUTH WORKERS

COLLECTION

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		Unit	Quantity	Rate	Amount
	SECTION NO. 4				
	EXPANDED PUBLIC WORKS PROGRAMME (EPWP)				
	BILL NO. 2				
	INTERNSHIP PROGRAMME				
	PREAMBLES				
	Tenderers are advised to study the Additional Specification SL: Employment and Training of Labour on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service, as bound elsewhere in the Bills of Quantities, and then price this Bill accordingly.				
	INTERNSHIP PROGRAMME (FOR A PERIOD OF 12 MONTHS)				
	The programme targets 5 students or graduates in the Bojanala district. Stipend will only be paid to students who attend the full programme. If the student does not attend all days, the attendance registers will be used for a pro rata payment in accordance with attendance.				
	Training for students/ graduates with a qualification in the built enviroment for the duration of 12 months.				
	The 5 students/ graduates with a qualification in the built environment will be distributed between the professional team and the contractor.				
	Stipend				
1	Stipend per youth worker at R 3,700.00 per month for a period of 12 months	Item			
	Provision of compulsory medical tests				
2	Compulsory medical tests (for 5 students)	Item			
	Personal protective equipment (PPE)				
3	Safety boots	Pairs	5		
4	Work suit with reflector	No	5		
5	Hand gloves	Pairs	5		
6	Hard hat	No	5		
7	Goggles	No	1		
	Carried To Section Summary			**R**	

SECTION NO. 4

EXPANDED PUBLIC WORKS PROGRAMME (EPWP)

SECTION SUMMARY

Bill No.		Page	Amount
1	TRAINING OF YOUTH WORKERS	475	
2	INTERNSHIP PROGRAMME	476	

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Section No. 4
SECTION SUMMARY

SECTION NO. 5

PROVISIONAL SUMS

			Amount
	SECTION NO. 5		
	PROVISIONAL SUMS		
	SUPPLEMENTARY PREAMBLES		
	General		
	Work for which budgetary allowances are provided will be measured and valued in accordance with clause 32 of the Principal Building Agreement and deducted in whole or in part if not required without any compensation for loss or profit on the said allowances		
	Prime cost amounts and provisional sums are net. Prime cost amounts include for delivery to site of all articles concerned Provisional sums are for material and equipment supplied and installed complete by firms of specialists		
	Profit		
	Where stated, the contractor may allow for profit if required		
	General attendance on nominated/selected subcontractors		
	The item 'Attendance' which follows each provisional sum for nominated/selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/selected subcontractors, the following:		
	1 The services as set out in clause B9.1 of the Preliminaries 2 Making good in all trades and cleaning down and removal of rubbish on completion		
	BUDGETARY ALLOWANCES		
	Community Liason Officer (CLO)		
1	Provide the amount of R 190,000.00 (One hundred and ninety thousand Rands @ R10,000.00 per month) for the employment of a Community Liason Officer (CLO)	Item	190 000 00
	Project Steering Committee		
2	Provide the sum of R 135,000.00 (One hundred and thirty-five thousand Rands) for Project Steering Committee (R750.00 per member per sitting)	Item	135 000 00
	PROVISIONAL SUMS FOR NOMINATED/SELECTED SUBCONTRACT WORKS		
	Acoustic insulation to generator building		
3	Provide the sum of R 90,000.00 (Ninety thousand Rands) for acoustic insulation to generator building	Item	90 000 00
4	Profit	Item	
5	Attendance	Item	
	Carried To Section Summary	**R**	

			Amount
	Water tanks refurbishment		
6	Provide the sum of R 1,125,000.00 (One million, one hundred and twenty-five thousand Rands) for water tanks refurbishment	Item	1 125 000 00
7	Profit	Item	
8	Attendance	Item	
	Water purification plant		
9	Provide the sum of R 2,000,000.00 (Two million Rands) for water purification plant	Item	2 000 000 00
10	Profit	Item	
11	Attendance	Item	
	Sewer treatment equipment repairs		
12	Provide the sum of R 290,000.00 (Two hundred and ninety thousand Rands) for sewer treatment equipment repairs	Item	290 000 00
13	Profit	Item	
14	Attendance	Item	
	Landscaping		
15	Provide the sum of R 2,732,000.00 (Two million, seven hundred and thirty-two thousand Rands) for landscaping including irrigation	Item	2 732 000 00
16	Profit	Item	
17	Attendance	Item	
	ELECTRICAL, ELECTRONIC AND MECHANICAL INSTALLATIONS		
	General electrical installation		
18	Provide the sum of R 6,235,300.00 (Six million, two hundred and thirty-five thousand, three hundred Rands for general electrical installation	Item	6 235 300 00
19	Profit	Item	
20	Attendance	Item	
	Electronics installation		
21	Provide the sum of R 11,499,683.00 (Eleven million, four hundred and ninety-nine thousand, six hundred and eight-three Rands) for electronics installation	Item	11 499 683 00
22	Profit	Item	
23	Attendance	Item	
	Carried To Section Summary	**R**	

				Amount
	Photovoltaic installation			
24	Provide the sum of R 10,557,637.00 (Ten million, five hundred and fifty-seven thousand, six hundred and thirty-seven Rands) for photovoltaic installation	Item		10 557 637 00
25	Profit	Item		
26	Attendance	Item		
	General mechanical installation			
27	Provide the sum of R 12,448,644.00 (Twelve million, four hundred and forty-eight thousand, six hundred and forty-four Rands) for general mechanical installation	Item		12 448 644 00
28	Profit	Item		
29	Attendance	Item		
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SECTION NO. 5

PROVISIONAL SUMS

SECTION SUMMARY

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FINAL SUMMARY

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1	PRELIMINARIES	175	
2	PROVISIONAL BILLS OF QUANTITIES	369	
3	EXTERNAL WORKS	468	
4	EXPANDED PUBLIC WORKS PROGRAMME (EPWP)	477	
5	PROVISIONAL SUMS	482	

ADD: CONTINGENCIES

Allow 10% of Sub-total for contingencies, to be used prior witten approval from the Department of Health and deducted in whole or in part if not required.

ADD: CPAP ALLOWANCE

Allow 7% of (Sub-total + Contingencies) for CPAP (Contract Price Adjustment Provisions) as Item 38.5.3 of the Schedule in the Preliminaries Bill No.1, to be used in terms of Clause 28.11 of the Principal Building Agreement.

ADD: SKILLS DEVELOPMENT

Minimum Contract Skills Development Goal (CSDG) sum = (0.5%) x Subtotal of tender amount

Carried to Next **R**

FINAL SUMMARY

Brought from Previous	R	
SubTotal excluding Value Added Tax		
ADD VAT @ 15%:		
Carried to Tender	R	

FINAL SUMMARY

C3 SCOPE OF WORKS

C3.1 Scope of Work

1) DESCRIPTION OF THE WORKS

1.1 Employer's objectives

The scope of works is Alterations, Additions, and Completion of Mathibestad CHC.

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

1.2.1 The construction of **three (3) new buildings**

1) Generator Building
2) Staff Residence Block B
3) Invertor Station

1.2.2 The renovations, alterations and completion of **twenty-one (21) existing buildings**

1) Crisis Control
2) CTOP
3) Dental
4) Emergency
5) Main Reception & Administration
6) Maternity Ward
7) Medical Ward
8) Theatre
9) Out Patients
10) Pharmacy
11) Service Building
12) Staff Residence Block A
13) Guard House
14) Radiology
15) MMC
16) Garden Store & Cylinder
17) Medical Waste & Refuse
18) Water Reticulation Pump Room
19) Fire Reticulation Pump Room
20) Kitchen
21) Gas Cylinder Storage

1.2.3 Demolition of temporary water supply, and soil drainage

1.2.4 Upgrade and new water supply, soil drainage and stormwater management

1.2.5 Reinstating and rectification of existing paving to roads and parking areas

1.2.6 Alterations and additions to internal link passages

1.2.7 Alterations and additions of security boundary walls

1.2.8 Alterations and additions to covered Carports

1.2.9 New Photovoltaic structure

1.2.10 New Telecommunication mast base & enclose

1.2.11 Landscaping

1.2.12 Electrical, Electronics, Photovoltaic, and Mechanical installations

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 MATHIBESTAD CHC:

The project is located at Mathibestad, Moretele Local Municipality, Bojanala Platinum District, North West Province. Site Coordinates: latitude 25° 16’ 05.7” S, longitude 28° 09’ 15.30” 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:

Drawing number	Title
Architectural	Refer to Drawing Register accompanying these Bills of Quantities
Civil	Refer to Drawing Register accompanying these Bills of Quantities
Structural	Refer to Drawing Register accompanying these Bills of Quantities
Electrical	N/A
Mechanical	N/A

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 panel or panel of 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.

5.3 Annexures

ANNEXURE A

ARCHITECTURAL DRAWINGS

ANNEXURE B

CIVIL AND STRUCTURAL DRAWINGS

ANNEXURE C

ELECTRICAL AND MECHANICAL DRAWINGS

C4 SITE INFORMATION

2) DESCRIPTION OF THE WORKS

1.1 THE SITE

The site is accessible from Makapanstad Road, Mathibestad, Moretele Local Municipality, Bojanala Platinum District, North West Province. The central coordinates of the site is latitude 25° 16’ 05.7” S, longitude 28° 09’ 15.30” E with an elevation from mean sea level of about 1040 m.

1.2 WORK AREA

The working area is the area within the boundaries

1.3 ACCESS

The contractor to arrange temporary access to the site.

1.4 GENERAL - Restrictions on site

Administration area, Out Patients, Pharmacy, Staff Residence Block A, and Carports Block C and D will be in use, and occupied.

Therefore, the Contractor will not be permitted to occupy Administration area, Out Patients, Pharmacy, Staff Residence Block A, and Carports Block C and D, until section 1 has been completed. Refer to Architect’s drawing No. S109 for hoarding layout.

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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.

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 SCOPE COMPLITION OF MATHIBESTAD CHC FOR THE DEPARTMENT OF HEALTH, 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

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

Drawings

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.