Province of the
EASTERN CAPE
EDUCATION

RFP277/2023: FIRE DAMAGED GIRLS HOSTEL AT MAKAULA SENIOR SECONDARY SCHOOL ON BEHALF OF THE EASTERN CAPE DEPARTMENT OF EDUCATION (EC DoE)

BILL OF QUANTITIES :OPTION ONE (Unpriced)

PREPARED FOR:	PREPARED BY:
DBSA DEVELOPMENT BANK OF SOUTHERN AFRICA *Building Africa's Prosperity*	LIWANI CONSULTING built environment professionals
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Item No		Quantity	Rate	Amount

BILL NO. 1

PRELIMINARIES

MEANING OF TERMS "TENDER / TENDERER"

Any reference to the words "Tender" or "Tenderer" herein and / or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder".

PRELIMINARIES

The JBCC Preliminaries Code 2103, May 2005 edition for use with the JBCC Principal Building Agreement Edition 4.1 Code 2101, March 2005 is taken to be incorporated herein. The tenderer is deemed to have referred to these documents for the full intent and meaning of each clause. These clauses are referred to by number and heading only. Where standard clauses or options are not applicable to the contract such modifications or corrections as are necessary are given under each relevant clause. Where an item is not relevant to this specific contract such item is marked. "N/A" signifying "Not Applicable".

PRICING OF PRELIMINARIES

Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item

Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities.

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SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT

DEFINITIONS

A1 DEFINITIONS AND INTERPRETATION

Clause 1.0

Clause 1.0 is amended by the addition of the following clauses:

1.5.7 References to any party to this agreement include its successors or permitted assigns;

1.5.8 References to the contractor include the obligations of its personnel;

1.5.9 References to “month” shall be to a calendar month;

1.5.10 References to any amount shall mean that amount exclusive of VAT, unless the amount expressly includes VAT;

1.5.11 References containing terms such as “best endeavours" when used in connection with an obligation either party, means taking in good faith and with due diligence all reasonable steps to achieve the objective and fulfil the obligation at the earliest possible time, including doing all that a reasonable and prudent owner or provider of design and construction services in comparable circumstances would do.

1.5.12 If a definition imposes substantive rights and obligations on a party, such rights and obligations shall be given effect to and shall be enforceable, notwithstanding they are contained in a definition;

1.5.13 Where any word is defined within the context of any particular clause in this agreement, that word, unless is clear from the clause in question that word has limited application only to the relevant clause, shall bear the meaning ascribed to it for all purposes in terms of this agreement, notwithstanding that word has not been defined in clause 1.1;

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1.5.14 Words defined in this agreement shall bear the same meanings in any annexes or schedules to this agreement unless the annexes or schedules contain their own definitions of such words;

1.5.15 Where any number of days is prescribed, those shall be reckoned exclusively of the first and inclusively the last day unless the last day falls on a day that is not working day, in which event the last day shall be the next succeeding working day;

1.5.16 Words and abbreviations that have well known technical or trade meanings are used in the agreement in accordance with such recognized meanings;

1.5.17 The rule of construction that if general words or terms are used in association with specific words or terms that are a species of a particular genus or class, the meaning of the general words or terms shall be restricted that same class shall not apply, and whenever the word "including" is used followed by specific examples, such examples shall not be interpreted so as to limit the meaning of any word or term to the same genus or class as the examples given;

1.5.18 The rule of construction that the agreement shall be interpreted against or to the disadvantage of the party responsible for the drafting or preparation of this agreement shall not apply.

1.10 The copyright in all **contract documents**, **contract drawings** and records (irrespective of who prepared any of the aforesaid) related in any manner to the **works** shall vest in the **employer** and the **contractor** shall not furnish any information in connection with the **works** to any person or organization without the prior written approval of the **employer** to this effect other than subcontractors appointed for purposes of this **agreement**

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	1.11 Any provision in this agreement that is or may become illegal, invalid or unenforceable in any jurisdiction shall be ineffective to the extent of such prohibition or un enforceability in such jurisdiction and shall be treated as severed from the balance of this agreement in such jurisdiction, without invalidating the remaining provisions this agreement in such jurisdiction or affecting it in any other jurisdiction Fixed:_____ Value related:_____ Time related:_____				
	OBJECTIVE AND PREPARATION				
1	**A2 OFFER, ACCEPTANCE AND PERFORMANCE** Clause 2.0 Fixed:_____ Value related:_____ Time related:_____	Item			
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2	**A3 DOCUMENTS** Clause 3.0 Clause 3.5 is amended by replacing it with the following: No clause Clause 3.7 is amended by replacing **the second sentence starting in line 2** with the following: The **contractor** shall keep a copy of all drawings, schedules, unpriced **bills of quantities/lump sum document, contract instructions,** minutes of site and other meetings, health and safety files as specified in the scope of work, risk register, claims and variation order register, labour records and subcontractors contracts on the **site** to which the **employer, principal agent** and **agents** shall have access at all times. The **employer** has the right to call for such further information from the **contractor** it deems necessary in the event it carries out any investigation or audit into potential fraud, corruption, fronting, health and safety incidents or verifying information the **contractor** has to supply to the **employer** in terms of this agreement. The Contractor shall ensure a similar right for the Employer with its subcontractors Clause 3.10 is amended by replacing "**principal agent"** with "**employer"** in the first line. Fixed:_____ Value related:_____ Time related:_____		Item		
3	**A4 DESIGN RESPONSIBILITY** Clause 4.0 Fixed:_____ Value related:_____ Time related:_____		Item		
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4	**A5 EMPLOYER'S AGENTS** Clause 5.0 Fixed:_____ Value related:_____ Time related:_____	Item			
5	**A6 SITE REPRESENTATIVE** Clause 6.0 Fixed:_____ Value related:_____ Time related:_____	Item			
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6	**A7 COMPLIANCE WITH REGULATIONS** Clause 7.0 Note: The provisions herein include *inter alia*, compliance with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993), and in particular with Construction Regulation 7(1) (a) requiring the compilation of a health and safety plan, as well as Regulation 8(5) requiring the appointment of a Construction Health and Safety Officer. Clause 7.0 is amended by the addition of the following: 7.3 The Occupational Health and Safety Act No. 85 of 1993 and the Construction Regulations 2014 will in all respects be applicable to this contract. All obligations in respect of health and safety requirements of the Contractor are set out in the Scope of Work **Contractor's liability as mandatory** 7.3.1 Notwithstanding any actions which the **employer** may take, the **contractor** accepts sole liability for due compliance with the relevant duties, obligations, prohibitions, arrangements and procedures imposed by the Occupational Health and Safety Act, 1993 (Act 85 of 1993), and all its regulations, including the Construction Regulations, 2014, for which the **contractor** is liable as mandatory. By entering into this **agreement** it shall be deemed that the parties have agreed in writing to the above provisions in terms of Section 37 (2) of the Act and will enter into the mandatory agreement as set out in the Scope of Work. This clause will be sufficient to establish the mandatory obligations of the **contractor** in the event the parties fail to execute the aforesaid mandatory agreement." Fixed:_____ Value related:_____ Time related:_____	Item		
7	**A8 WORKS RISK** Clause 8.0 Fixed:_____ Value related:_____ Time related:_____	Item		
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8	**A9 INDEMNITIES** Clause 9.0 Fixed:_____ Value related:_____ Time related:_____	Item		
9	**A10 WORKS INSURANCES** Clause 10.0 Fixed:_____ Value related:_____ Time related:_____			
10	**A11 LIABILITY INSURANCES** Clause 11.0 Fixed:_____ Value related:_____ Time related:_____	Item		
11	**A12 EFFECTING INSURANCES** Clause 12.0 Fixed:_____ Value related:_____ Time related:_____	Item		
12	**A13.0** ***No clause***	N/A		
13	**A14 SECURITY** Clause 14.0 Clauses 14.1 is amended by replacing it with the following: The **employer** shall have the right to choose the **security** to be provided in terms of 14.3 or 14.4 as stated in the **schedule**. The **contractor** shall provide the **security** required or chosen by the **employer** in the **schedule** substantially in the format prescribed in the tender documents that the **contractor** submitted a tender offer. The required **security** shall be provided in the time period prescribed by the **employer** in the conditional letter of acceptance of the **contractor's** tender offer. Clauses 14.3 is amended by replacing the last line of			
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sub-clause 14.3.1 “twelve point five (12.5%)” with “ten (10%)”.

Clause 14.4 is amended by replacing the last line of sub-clause 14.4.1 replace “seven point five (7.5%)” with “ten (10%)”.

Clause 14.7 is amended by the addition of the following:

The construction guarantee provided by the contractor shall remain valid for the term of the **agreement** . In case of extensions, the security must also be extended or replaced by another construction guarantee of the same value, with an effective term equal to the term of extension. If the contractor fails to keep a valid security for the duration of the agreement, the principal agent shall deduct an amount of 10% from each interim payment certificate and withhold the amount until the contractor provides a valid construction guarantee. Once the contractor provides the valid construction guarantee, the principal agent will then release the amount held from each payment certificate in the next payment certificate.

Clause 14.7.1 is amended by replacing the second and third line amend “two point five (2.5%)” to read “five (5%)

Clause 14.0 is amended by the addition of the following:

14.9 A payment reduction of five (5%) of the value of each **payment certificate** up to a maximum of five (5%) of the **contract sum** will be applied until **practical completion.** At **practical completion** the amount withheld will be reduced to two point five (2.5%), which amount will reduce to nil (0%) when the **final account** is issued. The employer reserves the right to use retention money to correct defects where contractor fails to correct, fails or refuses to pay service provides or its subcontractors.

Fixed:_____ Value related:_____ Time related:_____

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	EXECUTION			
14	**A15 PREPARATION FOR AND EXECUTION OF THE WORKS** Clause 15.0 Clause 15.1.1 is amended by replacing it with **"principal agent"** with **"employer"**: Fixed:_____ Value related:_____ Time related:_____			
15	**A16 ACCESS TO THE WORKS** Clause 16.0 Fixed:_____ Value related:_____ Time related:_____	Item		
16	**A17 CONTRACT INSTRUCTIONS** Clause 17.0 Fixed:_____ Value related:_____ Time related:_____	Item		
17	**A18 SETTING OUT OF THE WORKS** Clause 18.0 Fixed:_____ Value related:_____ Time related:_____	Item		
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18	**A19 ASSIGNMENT** Clause 19.0 Clauses 19 is amended by replacing them with the following: 19.1 The contractor does not cede, delegate or assign any of its rights or obligations to any person. 19.2 Notwithstanding the above, the employer may, on written notice to the contractor, cede and delegate, handover, its rights and obligations under this contract a Related Party or a Client of the employer. On cession Client becomes the employer and takes full responsibility. For the purpose hereof the above clause: 19.2.1 a “Related Party” means any entity that directly or indirectly, through one or more intermediaries, controls or controlled by, or is under common control with the employer and includes any other “Organ of State” as defined in section 239 of the Constitution of the Repub of South Africa, 1996 and any entity or Organ of State for whom the Employer carries out the works or acts as an implementing agent, (“control” means the beneficial ownership of the majority in number of the issued equity any entity (or the whole or majority of the entity’s assets), and/or the right or ability to direct or otherwise control the entity or the votes attaching to the majority of the entity’s equity and “controlled” or “under common control” shall have a similar meaning); and Client means the owner, funder and or sponsor of the project and or programme managed in terms of the MOA between the Client and DBSA. Fixed:_____ Value related:_____ Time related:_____	Item		
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19	A20 NOMINATED SUB-CONTRACTORS Clause 20.0 Fixed:_____ Value related:_____ Time related:_____	Item		
20	**A21 SELECTED SUBCONTRACTORS** Clause 21.0 Clause 21 is amended by replacing sub-clause 21.1.2 to 21.1.4 and 21.2 to 21.6 with the following: The contractor and principal agent shall appoint a selected subcontractor in accordance with the provisions of the Scope of Work Fixed:_____ Value related:_____ Time related:_____	Item		
21	**A22 EMPLOYER'S DIRECT CONTRACTORS** Clause 22.0 Fixed:_____ Value related:_____ Time related:_____	Item		
22	**A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS** Clause 23.0 Clause 23 is amended by adding sub-clause 23.3 - 23.6: 23.3 The **contractor** may not subcontract the whole of the work without the written instruction or approval of the **employer**. In such event the **employer** may require the **contractor** to cede the contract to the subcontractor. 23.4 The subcontractors appointed by the **contractor** to comply with the developmental and transformation requirements from the **employer** in terms of applicable legislation, including but not limited to the Preferential Procurement Policy Framework Act, 5 of 2000, and regulation thereto, will be domestic subcontractors for			
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	purposes of this **agreement**, and sub-clauses 23.1 and 23.2 will apply accordingly. 23.5 The contractor shall submit the agreement for each subcontract to the Principal Agent and employer may redact all commercially sensitive information. 23.6 Contractors' failure to pay Subcontractors If the contractor fails to make payment of any amount due and payable to a subcontractor ("the Subcontractor debt") and the Principal Agent considers that the subcontractor debt has an adverse impact(s) on the progress of the works or the obligations of the contractor under the agreement, the Principal Agent may request evidence of payment to the subcontractor. In the absence of such evidence, the employer may (at its own discretion) pay the subcontractor debt directly to the subcontractor concerned. Such payment is, for all purposes under the agreement, regarded as a payment made on behalf of the contractor and at the request of and with the approval and consent of the contractor, as a payment towards the contract sum. As such, payment to the contractor shall be less the payment to the subcontractor. All adverse effects as a result of or arising from the subcontractor debt does not entitle the contractor to any cost or time. Fixed:_____ Value related:_____ Time related:_____	Item			
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	COMPLETION				
23	**A24 PRACTICAL COMPLETION** Clause 24.0 Fixed:_____ Value related:_____ Time related:_____	Item			
24	**A25 WORK'S COMPLETION** Clause 25.0 Fixed:_____ Value related:_____ Time related:_____	Item			
25	**A26 FINAL COMPLETION** Clause 26.0 Fixed:_____ Value related:_____ Time related:_____	Item			
26	**A27 LATENT DEFECTS LIABILITY PERIOD** Clause 27.0 Fixed:_____ Value related:_____ Time related:_____	Item			
27	**A28 SECTIONAL COMPLETION** Clause 28.0 Fixed:_____ Value related:_____ Time related:_____	Item			
28	**A29 REVISION OF DATE FOR PRACTICAL COMPLETION** Clause 29.0 Fixed:_____ Value related:_____ Time related:_____	Item			
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29	**A30 PENALTY FOR NON-COMPLETION** Clause 30.0 Clause 30.1 is amended replacing reference to “36.3” at end of sentence with “36.0” Where the **contractor** fails to bring the **works** or **sections** thereof to **practical completion** on the date or dates stated in the schedule or revision thereof in terms of 29.0, the contractor shall be liable to the **employer** for the **penalty** per **calender day** for non completion of the **works** or each **section** thereof at the rate stated in the **schedule**. The **principal agent** shall calculate the **penalty** due from the date or revised date in terms of 29.0 up to and including the actual date of **practical completion** of the **works** or **section** thereof or cancellation in terms of 36.0. Fixed:_____ Value related:_____ Time related:_____	Item			
	PAYMENT				
30	**A31 INTERIM PAYMENT TO THE CONTRACTOR** Clause 31.0 Clause 31.9 is amended by substitution of the words "seven (7) **calendar days"** in the first line by the words "thirty (30) **calendar days”** Clause 31.12 is amended by removing the words subject to the **employer** giving the **contractor** a **tax** invoice for the amount due Fixed:_____ Value related:_____ Time related:_____				
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31	**A32 ADJUSTMENT TO THE CONTRACT VALUE** Clause 32.0 Fixed:_____ Value related:_____ Time related:_____	Item			
32	**A33 RECOVERY OF EXPENSE AND LOSS** Clause 33.0 Fixed:_____ Value related:_____ Time related:_____	Item			
33	**A34 FINAL ACCOUNT AND FINAL PAYMENT** Clause 34.0 Clause 34.13 is amended by removing subject to the **employer** giving the **contractor** a **tax** invoice for the amount due. Fixed:_____ Value related:_____ Time related:_____	Item			
34	**A35 PAYMENT TO OTHER PARTIES** Clause 35.0 Fixed:_____ Value related:_____ Time related:_____	Item			
	CANCELLATION **A36 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT** Clause 36.0 Fixed:_____ Value related:_____ Time related:_____				
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35	**A37 CANCELLATION BY EMPLOYER – LOSS AND DAMAGE** Clause 37.0 Fixed:_____ Value related:_____ Time related:_____				
36	**A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT** Clause 38.0 Fixed:_____ Value related:_____ Time related:_____				
37	**A39 CANCELLATION - CESSATION OF THE WORKS** Clause 39.0 Clause 39.2 is amended by replacing the third sentence with the following: The **employer** shall pay the **contractor** all amounts due in terms of the contract for work completed at the date of termination or cancellation in terms of this clause 39.2, including retention money after deducting any amounts due to the **employer.** The **employer** will also return any guarantees still valid to the **contractor** after such cancellation. Clause 39.2.1 and 39.2.3 are amended by replacing with the following: No Clause Fixed:_____ Value related:_____ Time related:_____	Item			
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38	**A40 DISPUTE SETTLEMENT** Clause 40.0 Clause 40 is amended by retaining clause 40 in respect of dispute settlement to be retained in its original form not applying the state clause amendments. Fixed:_____ Value related:_____ Time related:_____	Item		
	SUBSTITUTE PROVISIONS			
39	**A41 STATE CLAUSES** Clause 41.0 Clause 41.1.3 is amended by replacing the definition for **CONSTRUCTION PERIOD** with the following: **CONSTRUCTION PERIOD** means a duration of 3 months commencing from the period the contractor takes possession of the sites to the date the certificate of practical completion is issued**.** Clause 41.1 is amended by the addition of the following: Notwithstanding any clause to the contrary, on cancellation of this **agreement** either by the **employer** or the **contractor,** or for any reason whatsoever, the **contractor** shall **on** written instruction, discontinue with the **works** on a stated date and withdraw himself from the **site**. The contractor shall not be entitled to refuse to withdraw from the **works** on the grounds of any lien or right of retention or on the grounds of any other right whatsoever. Fixed:_____ Value related:_____ Time related:_____	Item		
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CONTRACT VARIABLES

40 **A42 PRE-TENDER INFORMATION**

Clause 42.0

Tenderers are referred to the document C1.2 Contract Data for variables pertaining to this contract

Fixed:_____ Value related:_____ Time related:_____ Item

THE SCHEDULE

SECTION B: JBCC PRELIMINARIES

B1.0 DEFINITIONS AND INTERPRETATION

41 ***B1.1 Definitions and interpretation***

See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section

Fixed:_____ Value related:_____ Time related:_____ Item

B2.0 DOCUMENTS

42 ***B2.1 Checking of documents***

Fixed:_____ Value related:_____ Time related:_____ Item

43 ***B2.2 Provisional bills of quantities***

Fixed:_____ Value related:_____ Time related:_____ Item

44 ***B2.3 Availability of construction documentation***

Fixed:_____ Value related:_____ Time related:_____ Item

45 ***B2.4 Interests of agents***

Fixed:_____ Value related:_____ Time related:_____ Item

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46	***B2.5 Priced documents***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
47	***B2.6 Tender submission***			
	Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance (C1.1)".			
	Fixed:_____ Value related:_____ Time related:_____	Item		
	B3.0 THE SITE			
48	***B3.1 Defined works area***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
49	***B3.2 Geotechnical investigation***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
50	***B3.3 Inspection of the site***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
51	***B3.4 Existing premises occupied***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
52	***B3.5 Previous work - dimensional accuracy***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
53	***B3.6 Previous work - defects***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
54	***B3.7 Services - known***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
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55	***B3.8 Services - unknown*** Fixed:_____ Value related:_____ Time related:_____	Item		
56	***B3.9 Protection of trees*** Fixed:_____ Value related:_____ Time related:_____	Item		
57	***B3.10 Articles of value*** Fixed:_____ Value related:_____ Time related:_____	Item		
58	***B3.11 Inspection of adjoining properties*** Fixed:_____ Value related:_____ Time related:_____	Item		
	B4.0 MANAGEMENT OF CONTRACT			
59	***B4.1 Management of the works*** Fixed: 3 437 05.04*10% = R 3 437 95 Value related 3 437 050.42*15% = R515 557.563 Time related:337 3 437 050.42*75% = 2 577 787.815	Item		
60	***B4.2 Programme for the works*** Fixed:_____ Value related:_____ Time related:_____	Item		
61	***B4.3 Progress meetings*** Fixed:_____ Value related:_____ Time related:_____	Item		
62	***B4.4 Technical meetings*** Fixed:_____ Value related:_____ Time related:_____	Item		
63	***B4.5 Labour and plant records*** Fixed:_____ Value related:_____ Time related:_____	Item		
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	B5.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS			
64	***B5.1 Samples of materials***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
65	***B5.2 Workmanship samples***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
66	***B5.3 Shop drawings***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
67	***B5.4 Compliance with manufacturers instruction***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
	B6.0 TEMPORARY WORKS AND PLANT			
68	***B6.1 Deposits and fees***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
69	***B6.2 Enclosure of the works***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
70	***B6.3 Advertising***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
71	***B6.4 Plant, equipment, sheds and offices***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
72	***B6.5 Main notice board***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
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73	***B6.6 Subcontractors' notice board*** Fixed:_____ Value related:_____ Time related:_____	Item		
	B7.0 TEMPORARY SERVICES			
74	***B7.1 Location*** Fixed:_____ Value related:_____ Time related:_____	Item		
75	***B7.2 Water*** Fixed:_____ Value related:_____ Time related:_____	Item		
76	***B7.3 Electricity*** Fixed:_____ Value related:_____ Time related:_____	Item		
77	***B7.4 Telecommunication facilities*** Fixed:_____ Value related:_____ Time related:_____	Item		
78	***B7.5 Ablution facilities*** Fixed:_____ Value related:_____ Time related:_____	Item		
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	B8.0 PRIME COST AMOUNTS			
79	***B8.1 Responsibility for prime cost amounts***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
	9.0 ATTENDANCE ON N/S SUBCONTRACTORS			
80	***B9.1 General attendance***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
81	***B9.2 Special attendance***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
82	***B9.3 Commissioning - fuel, water and electricity***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
	B10. FINANCIAL ASPECTS			
83	***B10.1 Statutory taxes, duties and levies***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
84	**B10.2 Payment for preliminaries**			
	Fixed:_____ Value related:_____ Time related:_____	Item		
85	***B10.3 Adjustment of preliminaries***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
86	***B10.4 Payment certificate cash flow***			
	Fixed:_____ Value related:_____ Time related:_____	Item		
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B11. GENERAL

87 ***B11.1 Protection of the works***

Fixed:_____ Value related:_____ Time related:_____ Item

88 ***B11.2 Protection / isolation of existing / sectionally occupied works***

Fixed:_____ Value related:_____ Time related:_____ Item

89 ***B11.3 Security of the works***

Fixed:_____ Value related:_____ Time related:_____ Item

90 ***B11.4 Notice before covering work***

Fixed:_____ Value related:_____ Time related:_____ Item

91 ***B11.5 Disturbance***

Fixed:_____ Value related:_____ Time related:_____ Item

92 ***B11.6 Environmental disturbance***

Fixed:_____ Value related:_____ Time related:_____ Item

93 ***B11.7 Works cleaning and clearing***

Fixed:_____ Value related:_____ Time related:_____ Item

94 ***B11.8 Vermin***

Fixed:_____ Value related:_____ Time related:_____ Item

95 ***B11.9 Overhand work***

Fixed:_____ Value related:_____ Time related:_____ Item

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96	***B11.10 Instruction manuals and guarantees*** Fixed:_____ Value related:_____ Time related:_____	Item		
97	***B11.11 As built information*** Fixed:_____ Value related:_____ Time related:_____	Item		
98	***B11.12 Tenant installations*** Fixed:_____ Value related:_____ Time related:_____	Item		
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B12. SCHEDULE OF VARIABLES

99 ***B12.1 Pre-tender information***

Fixed:_____ Value related:_____ Time related:_____ Item

This schedule contains all variables referred to in this document and is divided into pretender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries.

Spaces requiring information must be filled in, shown as "not applicable" or deleted and
not left blank. Where choices are offered, the non-applicable items are to be deleted.
Where insufficient space is provided the information should be annexed hereto and
cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicized in [ ] brackets

12.1 PRE TENDER INFORMATION
12.1.1 **Provisional Bills of Quantities**
[2.2] The quantities are provisional: *YES*

12.1.2 **Availability of construction documentation**
[2.3] *Construction of documentation is complete: NO*

12.1.3 ***Interest of agents***
[2.4] Details: See Contract Data Part C/1 of Tender

12.1.4 ***Defined works area***
[3.1] Details: As per Tender Data

12.1.5 ***Geotechnical investigation***
[3.2] Details: NONE

12.1.6 ***Existing premises occupied***
[3.4] Specific requirements: N/A

12.1.7 ***Previous work - dimensional accuracy***
[3.5] Details: To be checked on site by contractor prior to building operations.

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12.1.8 ***Previous work - defects***
[3.6} Details: To be checked on site by contractor prior to building operations.

12.1.9 **Services - known**
[3.7] Details: Should the contractor encounter any existing services such as underground cables, pipes or sewer during the execution of the works he shall notify the principal agent immediately and suspend all affected work in the immediate vicinity until instruction to proceed has been given by the principal agent.

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12.1.10 ***Protection of trees***
[3.9] Specific requirements: All trees on the site outside of the position of the proposed structure must be protected.

12.1.11 **Inspection of adjoining properties**
[3.11] Specific requirements: The contractor must inspect adjoining properties and immediately bring to the notice of the Principal Agent of any consequences that may arise from the building works.

12.1.12 **Enclosure of the works**
[6.2} Specific requirements: The contractor shall enclose the works as required by the Occupational Health and Safety Act.

12.1.13 **Offices**
[6.4.3] Specific requirements: The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chairs, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.

12.1.14 **Main notice board**
[6.5] Specific requirements:

The contractor shall provide, erect where directed, maintain and remove on completion of the works an DRPW compliant notice board as detailed by the Principal Agent.

The board shall be securely fixed to hoarding where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces.

Sub-contractor's individual boards will be allowed on the site subject to the written approval of the Representative/Agent.

12.1.15 ***Subcontractors' notice board***
[6.6] Specific requirements: *NO*

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12.1.16 ***Water***
[7.2} O*ption A (by contractor)*
(YES)

Option B (by employer - free of charge when available) (*NO)*

Option C (by employer - metered)
(*NO)*

12.1.17 ***Electricity***
[7.3] Option A (by contractor)
(*YES)*

Option B (by employer - free of charge when available) (NO*)*

Option C (by employer - metered)
(*NO)*

12.1.18 ***Telecommunications***
[7.4] Telephone
(*YES)*

Facsimile
(*NO)*

E-mail
(YES*)*

12.1.19 ***Ablution facilities***
[7.5} Option A (by contractor)
(YES)

Option B (by employer)
(NO)

12.1.20 ***Protection of existing/sectionally occupied works***
[11.2] Protection is required (Only when existing buildings) (YES)

12.1.21 ***Special attendance***

[9.2] ***Electrical sub-contractor*** (1) details: Site Meetings

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12.1.22 ***Protection of works***
[11.1] Specific requirements:

The contractor shall protect the works for the duration of the contract.

12.1.23 ***Disturbance***
[11.5] Specific requirements:

The **contractor** shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the **works** all necessary temporary dust screens all to the satisfaction of the **principal agent**

12.1.24 ***Environmental disturbance***

[11.6] Specific requirements: None

12.2 POST-TENDER INFORMATION

12.2.1 ***Payment of preliminaries***
[10.2] Option A (prorated)
(*YES)*

Option B (calculates)
(*NO)*

12.2.2 ***Adjustment of preliminaries***
[10.3] Option A (three categories)
(*YES)*

Option B (detailed breakdown)
(*NO)*

12.2.3 ***Additional agreed preliminaries items***
Details:**N/A**

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SCHEDULE OF SUPPLEMENTARY INFORMATION

NOTE:

The information listed below is in respect of certain clauses in the Preliminaries, requiring the supplementary information

Amount of insurance against injury to person or property in respect of any single occurrence **R**
Amount of insurance against removal of support to adjoining properties in respect of any single accurance **Not specifically prescribed**

Contract period - **10 (Ten) months**

The date for site handover :- TBA

Amount of penalty per day on which the completion of the works may be in arrears:

R3.50 per R100 of contract value per day (Excluding VAT)

Specification of Materials and Methods to be used - **PW 371, Edition 2.1 July 2014**

Edition of Standard System of measuring building work: Seventh Edition including the latest amendments

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

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SECTION C: SPECIFIC PRELIMINARIES

100 **C1 CONTRACT DRAWINGS**

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

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

Fixed: _____ Value related:_____
Time related:_____ Item

101 **C2 GENERAL PREAMBLES**

The document “Specification of Materials and Methods to be used (PW371)” is obtainable on request from the head office and all regional offices of the Department, and shall be read in conjunction with the **bills of quantities** and be referred to for the full descriptions of work to be done and materials to be used

Fixed: _____ Value related:_____
Time related:_____ Item

102 **C3 TRADE NAMES**

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

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

Fixed: _____ Value related:_____
Time related:_____ Item

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103	**C4 IMPORTED MATERIALS AND EQUIPMENT** Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment (DPW23EC) to be completed by tenderer) Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable) Fixed: _____ Value related:_____ Time related:_____	Item		
104	**C5 VIEWING THE SITE IN SECURITY AREAS** The **site** is situated in a security area and the tenderer must arrange with the Head Master or other responsible officer to obtain permission to enter the **site** for tendering purposes Fixed: _____ Value related:_____ Time related:_____	Item		
105	**C6 COMMENCEMENT OF WORKS IN SECURITY AREAS** As the **works** falls within a security area the **contractor** must give the unit commander or other responsible officer notice before commencement of the **works**. Should the **contractor** fail to make such arrangements, admission to the site may be refused and any additional costs will be for the **contractor's** account Fixed: _____ Value related:_____ Time related:_____	Item		
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106	**C7 ENTRANCE PERMITS TO SECURITY AREAS** As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer Fixed: _____ Value related:_____ Time related:_____	Item			
107	**C8 SECURITY CHECK OF PERSONNEL** The **principal agent** may require the **contractor** to have his personnel and workmen, or a certain number of them, security classified In the event of the **principal agent** requesting the removal of a person or persons from the **works** for security reasons, the **contractor** shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the **works** and the **site** and/or to any document or information relating to the **works** Fixed: _____ Value related:_____ Time related:_____	Item			
108	**C9 PROHIBITION ON TAKING OF PHOTOGRAPHS** In terms of article 119 of the defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959 Fixed: _____ Value related:_____ Time related:_____	Item			
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	C10 HIV/AIDS AWARENESS It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the **Bills of Quantities.** Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained. Also see Part C3.6 Social and Economic Deliverables F1 The **contractor** must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of Clause A 31 of "Section 1: Preliminaries (Section A)" or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.			
109	**C10.1 AWARENESS CHAMPION** Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item		
110	**C10.2 AWARENESS WORKSHOPS** Selection and appointment of a competent Service Provider approved by the **principal agent**, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item		
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111	**C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.** Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item		
112	**C10.4 ACCESS TO CONDOMS** Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item		
113	**C10.5 MONITORING** Monitoring HIV/AIDS awareness of workers, providing the **principal agent** with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the **construction period** and close out, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item		
	Carried to Collection		R	

114	**C11 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). It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities/lump sum document. The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A3.10 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment. Provision for pricing of the Occupational Health and Safety Act, Construction Regulations, Health and Safety Specification and Project Specific Plan is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained. Fixed:_____ Value related:_____ Time related:_____	Item		
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115	**C12. SOCIAL AND ECONOMIC DELIVERABLES IN CONSTRUCTION WORKS CONTRACTS** The contractor shall thoroughly study and comply with the requirements and specification data set out in the CIDB B.U.I.L.D Programme for Standard for Indirect Targeting for Enterprise Development through construction works and Standard for Skills Development through infrastructure projects. Fixed:_____ Value related:_____ Time related:_____	Item		
116	**C13 LOCAL BUILDING MATERIALS** Preference shall be given to the supply of materials produced or manufactured in the Eastern Cape province provided that: (a) Such materials comply in all respects with the specific requirements of the "Model Preambles For Trades". (b) The availability of such materials shall not adversely affect the desired progress of the specific works. (c) The use of such materials shall not constitute grounds for any claim for increased cost in respect thereof. Fixed:_____ Value related:_____ Time related:_____	Item		
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117	**C14 LOCAL EMPLOYMENT GENERATION** It is an explicit condition of this tender that the Contractors labour force must comprise of persons normally resident in the locality of the works (local labour) and hence must be employed on this contract. The contractor will not be allowed to import skilled personnel if the required skills exist within the local community. The contractor will however be allowed to make use of his own permanently employed machine operators and drivers. Provided, however, that should adequate and appropriate labour not be available within the locality, other labour may be employed subject to satisfactory proof that every reasonable endeavour has been made to employ labour from the immediate locality. The contractor shall identify the local community leaders with the purpose of negotiating with them regarding the utilisation of local labour in the construction process. The specific employment goals, which are to be met for this project, are as follows: (a) A minimum of 70% local labour employment Target Area 1: Umzimvubu Local Municipality Target Area 2: Alfred Nzo District (b) The Contractor, inclusive of subcontractors and service providers, is allowed to deploy a maximum of 30% seconded (local & non-local labour) on the Project. Fixed:_____ Value related:_____ Time related:_____	Item		
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	C15.1 SMME SPECIFICATIONS				
	The Tenderer is encouraged to target works that can be performed by local enterprises as prime contractors, sub-contractors or suppliers. This target must be based on the value of work to be performed. The Local Enterprise Participation goal must be calculated in relation to every entity involved in the project.				
	Management staff from other areas for the duration of the project will not qualify as local. Plant and equipment brought from other areas will not qualify as local.				
	Material and plant sourced from local suppliers or agencies will qualify as local. A supplier that has been established locally by a Tenderer solely for the purpose of servicing the project will not qualify.				
	The contractor shall ensure full achievement of the deliverables through the construction period of this construction contract.				
118	**C15.2 SMME CONSTRUCTION MENTOR**				
	Provision for pricing for the employment, on a full-time basis for the duration of the contract, a SMME Construction Mentor. All costs associated with the execution of the SMME Construction Mentor duties, provision of office facilities and tools of trade are deemed to be priced hereunder. No additional claims in this regard shall be entertained. The above is in strict accordance with Section D 11.1 of the Specification for the Employment of SMME Sub Contractors (SES 006) and all costs should be included in this item.				
	Fixed:_____ Value related:_____ Time related:_____	Item			
	WAIVER OF LIEN				
119	The tenderers are notified that he/she shall sign "Waiver of Lien" together with the JBCC Principal Building Agreement Edition 4.1 Code 2101 March 2005.	Item			
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Bill No.1 : ALTERATIONS

TRADE PREAMBLES

Trade Preambles:

For Trade Preambles refer to 'Model Preambles for Trades' (2008 edition) for the full descriptions of material to be used and work to be done in this Bill.

SUPPLEMENTARY PREAMBLES

Proprietary items or materials:

Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.

National treasury designated sectors instructions:

Only locally produced or locally manufactured products and components for construction with a stipulated mimimum thresholds as set out in the National Treasury Designated Sectors must be complied with and the tenderers must complete returnable document 'Declatation Certificate For Local Production and content For Designated Sectors SBD 6.2' included in T2.2.14 included in Volume 2 of these tender/ contract documents documents.

Tenderers/ contractors are to ensure they are conversant the the National Treasury Designated Sector legislation and ensure their pricing complies with it. No claims in respect of the National Treasury Designated Sectors legislation will be entertained.

View Site:

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

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Explosives:

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

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.

Doors, fanlights, 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 easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately.

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

Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc. and making good floor and wall finishes to match existing

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

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

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Section No. 2
RENOVATIONS & REFURBISHMENTS
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ALTERATIONS

	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.).				
	TEMPORARY BARRIERS, SCREENS, ETC				
	Temporary barriers, screens, etc. including removal:				
1	Hoarding 2400mm high formed of 2200mm long 100mm diameter gum poles embedded 400mm into ground and 2 500mm centres with timber purlins horizontal at 600mm centres to form a frame nailed upon gum poles with 70% shade net including excavating, backfilling, compacting, etc., complete including maintenance, reuse and removal thereof on completion.	m	65		
2	Extra over for 5600mm x 1800mm Double swing galvanised mesh gate fitted and screwed to post	No	1		
	REMOVAL OF EXISTING WORK (CPAP Work Group No 102)				
	Breaking down and removing brickwork etc:				
3	140mm block walls.	m2	19		
	Taking out and removing doors, windows, gates, etc., including thresholds, sills, etc., and including setting up and building in aluminium window frame and making good plaster on both sides and plastering reveals (new aluminium frame and making good paint work elsewhere):				
4	Steel window and frame of irregular shape 1200mm x 1800 mm high overall from one brickwall.[Ref Drawing No.GH A1003 of Architectural Drawings]	No	8		
5	Steel window and frame of irregular shape 1800mm x 1800 mm high overall from one brickwall.[Ref Drawing No. GH A1003 of Architectural Drawings]	No	2		
6	Steel window and frame 1200mm x 1800 mm high overall from one brickwall.[Ref Drawing No. GH A1003 of Architectural Drawings]	No	1		
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RENOVATIONS & REFURBISHMENTS
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7	Steel window and frame 600mm x 600 mm high overall from one brickwall.[Ref Drawing No. GH A1003 of Architectural Drawings]	No	5		
8	Steel window and frame 600mm x 1200 mm high overall from one brickwall.[Ref Drawing No. GH A1003 of Architectural Drawings]	No	1		
	Taking out and removing doors, frames, gates, etc., including thresholds, sills, etc., and including setting up and building in new timber door frame and making good facings to match existing both sides and into reveals:				
9	Timber single door and timber frame 813 mm x 2125mm high overall [reference, D01]	No	3		
10	Timber single door and timber frame 813 mm x 2125mm high overall [reference, D02]	No	1		
11	Timber single door and timber frame 819 mm x 2125mm high overall [reference, D03]	No	5		
12	Timber single door and timber frame 913 mm x 2125mm high overall [reference, D04]	No	1		
13	Timber double door and timber frame 1800 mm x 2125mm high overall [reference, D10]	No	1		
14	Security grill gate 1800 x 2125mm high overall from one brickwall [reference, G01]	No	1		
15	150mm Satin chrome cabin hook	No	1		
16	Existing Open door Closers	No	1		
17	Existing Floor Mounted door stop	No	9		
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	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.:				
18	IBR sheet steel and translucent roof covering from steel purlins including all bullnose,flashings,Hips , Gutters and all other rainwater goods etc.	m2	263		
19	Ceilings suspension grid, hangers, etc.	m2	186		
20	**Fibre-cement ceiling boards including cornices, brandering, etc**	m2	41		
	Taking out and removing sundry joinery work, fittings, etc and making good plaster where disturbed. (Making good paint elsewhere:				
21	Existing timber skirtings.	m	124		
	Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc. and preparing screeds for new floor coverings including skimming with 'Pavelite':				
22	Vinyl sheet floor covering with welded joints.	m2	145		
	Taking out/off and removing sundry metalwork:				
23	Remove existing broken cast iron manhole covers	No	4		
	Hacking up/off and removing granolithic, screeds, plaster, etc. from concrete or brickwork and preparing surfaces for new screed, steel float,plaster, tile finishes, etc.:				
24	Internal plaster from walls and columns.	m2	409		
25	Raised shower floor screed including mosaic tiles.	m3	6		
26	30mm Screed from raised shower floors, including mosaic tiles.	m2	12		
27	40mm Screed on floors	m2	186		
28	External plaster from walls, columns and beams.	m2	136		
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	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.:				
29	200mm x 200mm Ceramic Tiles to walls.	m2	55		
30	300 x 300mm Ceramic tiles to floors	m2	61		
	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):				
31	Vitreous china wall mounted WC pan with flush valve, including short lengths of piping, taps, traps, etc.	No	5		
32	Existing toilet paper dispenser	No	5		
33	Stainless steel wash hand basin, including short lengths of piping, taps, traps, etc.	No	4		
34	Existing shower set comprising of shower rose,etc	No	5		
35	Existing sink with all fittings	No	4		
36	Existing Soap dispenser with all fittings	No	4		
37	Existing bathroom hand dryer	No	1		
	Taking out/off and removing glass and mirrors:				
38	Mirror 600 x 900mm high from wall.	No	4		
	PREPARATORY WORK TO EXISTING SURFACES (CPAP Work Group No 102)				
	Preparatory work:				
	Inspect existing screed for dampness and cracks and make good defective areas by applying Pavelite self-levelling screed or approved equivalent compound (measured elsewhere), including preparation of surfaces and all necessary repairs, as directed by the Engineer				
39	On Floors	m2	145		
	Carried to Collection			R	

	NEW WORK CHIEFLY INSIDE EXISTING BUILDING(S)				
	BRICKWORK SUPERSTRUCTURE				
	Extending Block work in class II mortar with cores filled solid with mortar				
40	140mm Blockwalls	m2	31		
	BRICKWORK SUNDRIES				
41	Forming toothings and bonding new blockwork to existing	m2	31		
	2,5mm Brickwork reinforcement				
42	75mm wide brick reinforcement built in horizontally	m	50		
	PLASTERING				
	12mm Thick 4:1 One coat cement plaster steel trowelled on brickwork:				
43	On walls	m2	63		
	Carried to Collection			R	

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 1
ALTERATIONS

Section No. 2

RENOVATIONS & REFURBISHMENTS

Bill No. 1

ALTERATIONS

COLLECTION

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Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 1
ALTERATIONS

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Bill No.3 : MASONRY

TRADE PREAMBLES

Trade Preambles:

For Trade Preambles refer to 'Model Preambles for Trades' (2008 edition) for the full descriptions of material to be used and work to be done in this Bill.

SUPPLEMENTARY PREAMBLES

Proprietary items or materials:

Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.

National treasury designated sectors instructions:

Only locally produced or locally manufactured products and components for construction with a stipulated mimimum thresholds as set out in the National Treasury Designated Sectors must be complied with and the tenderers must complete returnable document 'Declatation Certificate For Local Production and content For Designated Sectors SBD 6.2' included in T2.2.14 included in Volume 2 of these tender/ contract documents documents.

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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.

Carried to Collection R

	Hollow walls etc: Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole. Walls in two skins described as 'bagged and sealed' shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats 'Brixeal' bitumen emulsion waterproofing coating. **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 SUPERSTRUCTURE (CPAP Work Group No 116)** **Brickwork of NFP bricks in class II mortar:**				
1	140mm block walls.	m2	19		
	BRICKWORK SUNDRIES (CPAP Work Group No 116) **Joint forming material in movement joints:**				
2	12mm Expansion joints with low density (33kg/m³), cross linked, closed cell, expanded polyethylene joint former, with tear off strip fitted to concrete surface with adhesive as per the manufacturer's recommendation and built in vertically between brickwalls.	m2	55		
	Brickwork reinforcement:				
3	75mm Wide reinforcement built in horizontally.	m	55		
	Carried to Collection			R	

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 2
MASONRY

	Galvanised hoop iron cramps, ties, etc:				
4	25 x 2,0mm Wall tie 450mm long with one end shot pinned to concrete or brickwork and other end built into brickwork at expansion joint including hole through expanded polyethylene joint former.	No	4		
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Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 2
MASONRY

Section No. 2

RENOVATIONS & REFURBISHMENTS

Bill No. 2

MASONRY

COLLECTION

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Bill No.4 : WATERPROOFING

Trade Preambles:

For Trade Preambles refer to 'Model Preambles for Trades' (2008 edition) for the full descriptions of material to be used and work to be done in this Bill.

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Proprietary items or materials:

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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.

Carried to Collection R

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 3
WATERPROOFING

	DAMPPROOFING OF WALLS AND FLOORS (CPAP Work Group No 120):				
	One layer of 375 micron Consol Plastics Brikgrip DPC embossed damp proof course:				
1	In walls.	m2	19		
	JOINT SEALANTS ETC. (CPAP Work Group No 120)				
	Clear silicone sealant applied in accordance with the manufacturers instructions:				
2	In joints between ceramic or stainless steel sanitaryware and ceramic tiles.	m	26		
3	10mm Bead in joint between existing concrete and existing fulbore outlet including raking out junction etc. as necesarry.	m	13		
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Section No. 2

RENOVATIONS & REFURBISHMENTS

Bill No. 3

WATERPROOFING

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BILL NO. 6

ROOF COVERINGS, ETC.

ALL TRADES BILL PROVISIONAL

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.

SUPPLEMENTARY PREAMBLES

Proprietary products in descriptions:

Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.

Fixing:

Fixing shall be done according to SABS 1200HB with minimum 225mm end laps.

Guarantee:

The contractor will be required to provide a written guarantee, stating that :1. The roof sheeting is of the specified thickness.2. The client is indemnified against any defects, including colour deterioration for a minimum period of 15 years.

Pricing:

Prices for roof covering and cladding are to include for all necessary drive screws, hook bolts, sheet bolts, nuts, washers, etc., for drilling holes for screws and bolts including removing all swarf from the sheeting and all right angle cutting and waste (Measured net).

The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document.

Carried to Collection R

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 4
ROOF COVERING

	PROFILE METAL SHEETING AND ACCESSORIES				
	0.58mm thick 406mm cover Klip-Lok 406 profile Chromadek Ultim Z275 spelter ISQ550 Azure Blue finish topcoat and Pebble Grey backing coat roof sheeting, fixed to steel purlins at 1824mm centres and eaves and end-span purlins at 1632mm centres using KL 65 clips fixed with 10No.11 x 45mm long self-drilling wafer head PH2 screws, type 17 drill point fasteners (fastener lengths may vary depending on the insulation used or requirements), all following the manufacturers specifications by a GRS approved contractor.[				
1	Roof covering with pitch not exceeding 25 degrees.	m2	263		
2	Ridge capping 600mm girth	m	19		
3	Valley flashing 550mm girth, three times bent along girth and notched on site to suit roof profile.	m	10		
4	Narrow and broad flute closers 140mm girth	m	74		
5	0.8mm thick Z275 galvanised sheet steel gable trim 462mm girth	m	31		
	ROOF INSULATION				
	"Isoboard' with brown paper and polyethylene laminae faced one side extruded poytyrene foam core rigid board insulation:				
6	40mm insulation boards in 60mm width with tongue and groove joints laid over purlins(at approximately 1300mm centres) and fixed concurrent with roof covering including hole through boards, etc	m2	263		
7	Eaves closure	m	56		
8	Headwall flashing 616mm girth	m	58		
	Carried to Collection			R	

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 4
ROOF COVERING

Section No. 2

RENOVATIONS & REFURBISHMENTS

Bill No. 4

ROOF COVERING

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Item No		Quantity	Rate	Amount

Bill No.6 : CARPENTRY AND JOINERY

TRADE PREAMBLES

Trade Preambles:

For Trade Preambles refer to 'Model Preambles for Trades' (2008 edition) for the full descriptions of material to be used and work to be done in this Bill.

SUPPLEMENTARY PREAMBLES

Proprietary items or materials:

Proprietary items or materials where specified are to be of the brand specified - or other equal approved - by the Principal Agent.

National treasury designated sectors instructions:

Only locally produced or locally manufactured products and components for construction with a stipulated mimimum thresholds as set out in the National Treasury Designated Sectors must be complied with and the tenderers must complete returnable document 'Declatation Certificate For Local Production and content For Designated Sectors SBD 6.2' included in T2.2.14 included in Volume 2 of these tender/ contract documents documents.

Tenderers/ contractors are to ensure they are conversant the the National Treasury Designated Sector legislation and ensure their pricing complies with it. No claims in respect of the National Treasury Designated Sectors legislation will be entertained.

Particle board:

Particle board shall comply with the following specifications: a) SABS 1300 Particle board: exterior and flooring type b) SABS 1301 Particle board: interior type.

Joinery:

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

Carried to Collection R

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 5
CARPENTRY AND JOINERY

	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes. Fixing: Items described as nailed shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete. Decorative laminate finish: Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish. **SKIRTINGS. (CPAP Work Group No 126)** **Wrought meranti:**				
1	19mm x 76mm Skirtings including 19mm quadrant bead, nailed to walls including all nails to be punched and filled	m	124		
	Carried to Collection			R	

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 5
CARPENTRY AND JOINERY

	SEMI-SOLID CORE FLUSH DOORS (CPAP Work Group No 126)				
	Single leaf solid core pine softwood 2hr fire rated door with standard tempered veneer with hardboard both sides and two concealed hung to timber frames:				
2	Timber single door and timber frame 813 mm x 2125mm high overall [reference, D01,]	No	3		
3	Timber single door and timber frame 813 mm x 2125mm high overall [reference, D02]	No	1		
4	Timber single door and timber frame 819 mm x 2125mm high overall [reference, D03]	No	5		
5	Timber single door and timber frame 913 mm x 2125mm high overall [reference, D04]	No	1		
	Wrought meranti framed special Doors				
6	44mm framed batten double door 1740mm x 2032mm door leaves. Door frame complete with 6 pairs 100mm butt hinges. door frame complete with 6 pairs 100mm butt hinges. rubber door buffers set in frame and fixing lugs.[reference, D10]	No	1		
	FRAMED FRAMES, MULLION, TRANSOMES, ETC				
	Wrot meranti frames rebated and 14 x 14mm chamfered outward exposed edge for stiles and top frame (no threshold) built into brickwork with iron tiles. 12 x 12mm quadrants all round both sides [Reference ,Architectural drawing for Doors and Windows schedule , A6001] **:**				
7	69 x 108mm Rebated frames to accommodate 813mm x 2032mm door leaf.Doorframe complete with 3 pairs 100mm butt hinges.	No	10		
	Carried to Collection			R	

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 5
CARPENTRY AND JOINERY

8	69 x 108mm Rebated frames to accommodate 2 X 813mm x 2032mm door leaf.Doorframe complete with 6 pairs 100mm butt hinges.	No	1		
	BEADS, ARCHITRAVES, ETC (CPAP Work Group No 126)				
	Wrought meranti:				
9	19mm Quadrant beads.	m	124		
	EAVES, VERGES, ETC.				
	Medium density plain fibre-cement fascia and barge boards:				
10	15mm x 225mm Fascia boards, fixed to timber sprockets nail fixed to rafters twice screwed with 12 x 40mm countersunk brass screws with PVC H-profile fascia joiner between boards and PVC H-profile fascia corner joiners at board ends, etc.	m	56		
11	15mm x 225mm x 6mm Barge boards, including galvanised steel H-profile joiners, etc.	m	30		
	Carried to Collection			R	

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 5
CARPENTRY AND JOINERY

Section No. 2

RENOVATIONS & REFURBISHMENTS

Bill No. 5

CARPENTRY AND JOINERY

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Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 5
CARPENTRY AND JOINERY

Item No		Quantity	Rate	Amount
	BILL NO. 9			
	CEILINGS, PARTITIONS AND ACCESS FLOORING			
	ALL TRADES BILL PROVISIONAL			
	The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document.			
	SUPPLEMENTARY PREAMBLES			
	Proprietary products in descriptions:			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	Descriptions:			
	Items described as nailed shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as plugged shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as bolted the bolts have been given.			
	SUSPENDED CEILINGS			
	1200 x 600mm x 12.5mm vinyl clad Suspended ceiling type 1 laid on fire rated S3 exposed demountable Butt-cut T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200mm with ceiling perimeter finished with Perimeter W-trim, plugged and screwed at 200mm centres, and all installed to manufacturer's instructions.			
1	Ceiling suspended not exceeding 1m. below timber/steel purlins m2	186		
	Carried to Collection		R	

	NAILED UP AND SCREW UP CEILINGS				
	4mm "Everite Nutec" Fibre-cement ceiling boards with H type white PVC jointing strips manufactured in accordance with SANS 9001:2000 carrying SANS 803:2005 mark, fixed to 38 x 38mm battens at 450mm centers using 32 x 2,5mm serated ceiling nails at 150mm centres, minimum of 12mm from edge of board. All joints to be covered using H-profile steel jointing strips, all in accordance with the manufactuers recommendations. Prepare fibre cement to receive new paint (Paintwork Elsewhere measured):				
2	Ceilings including 38 x 38mm sawn softwood brandering at 600mm centres with cross brandering at 600mm centres and at joints, ends of sheets and at light fittings, etc.	m2	41		
3	Extra over ceiling for 700mm x 700mm hinged trap door of wrought softwood rebated framing with one sawn softwood cross brander covered with ceiling board and fitted flush in opening, including necessary trimmers all around	No	1		
4	Square edged eaves closure board including 38mm x 38mm sawn softwood brandering at 450mm centres with cross brandering at 450mm centres and at joints, ends of sheets and at light fittings, etc.	m2	186		
	Sawn softwood:				
5	38 x 38mm Branders plugged	m	20		
	CORNICES				
	Gypsum plasterboard cornices:				
6	76mm x 50mm Cornice.	m	60		
	Shadow-line cornices to suspended ceilings				
7	Pelican systems PSI econo shadow line pre-painted cornices pugged	m	124		
	Carried to Collection			R	

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 6
CEILINGS PARTITION AND ACCESS FLOORING

	CEILING TIMBERS, BEADS, INSULATION, ETC				
	135mm Non-combustible lightweight fibreglass insulation blanket. All to be fixed in accordance with manufacturers specification:				
8	Ceiling insulation between timber brandering and tie beams	m2	226		
	Carried to Collection			R	

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 6
CEILINGS PARTITION AND ACCESS FLOORING

Section No. 2

RENOVATIONS & REFURBISHMENTS

Bill No. 6

CEILINGS PARTITION AND ACCESS FLOORING

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Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 6
CEILINGS PARTITION AND ACCESS FLOORING

Item No		Quantity	Rate	Amount

Bill No.7 : FLOOR COVERINGS

TRADE PREAMBLES

Trade Preambles:

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SUPPLEMENTARY PREAMBLES

Proprietary items or materials:

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Carried to Collection R

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 7
FLOOR COVERINGS

	VINYL FLOOR COVERINGS, WALL LININGS, ETC (CPAP Work Group No 130)				
	2mm thick x 2 m wide homogeneous(PUR) fully flexible vinyl flooring, Polyurethane coated of a weight not greater than 3,55kg per m2 laid in conductive acrylic adhesive spread with a notched trowel on suitably prepared cement screed with a hygrometer reading showing a moisture content of less than 70%, with joints welded with a fully flexible welding rod to provide a smooth, hygienic sealed finish and rolled with 68kg articulated floor roller, all in accordance with manufacturer`s recommendations.				
1	On floors.	m2	145		
	POLISH, SEALER, ETC				
	Strip with 'FloorworX Stripper' or equal approved and scrubbed using a diluted solution of 'FloorworX Rinse' or equal approved and seal with three coats 'FloorworX' or equal approved Silk Matt or Gloss Sealer all applied iin strict accordance with the manufacturers instructions:				
2	on vinyl flooring	m2	145		
	SUNDRIES				
	Apply Pavelite self-levelling screed or approved equivalent compound to existing floor surfaces to make good areas affected by dampness and cracks, including preparation, application and finishing complete.				
3	On floors	m2	145		
	Carried to Collection			R	

Section No. 2

RENOVATIONS & REFURBISHMENTS

Bill No. 7

FLOOR COVERINGS

COLLECTION

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RENOVATIONS & REFURBISHMENTS
Bill No. 7
FLOOR COVERINGS

Item No		Quantity	Rate	Amount

Bill No.8 : IRONMONGERY

TRADE PREAMBLES

Trade Preambles:

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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 : AS Anodised silver : AB Anodised bronze : AG Anodised gold : ABL Anodised black : PB Polished brass : PL Polished and lacquered : PT Epoxy coated.

Carried to Collection R

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 8
IRONMONGERY

	HINGES, BOLTS, ETC.				
	Manufactured by "Dormakaba" or similar approved:				
1	100mm Butt hinges.	Pairs	9.0		
2	102x75x3mm,Stainlees Two ball bearing butt hinge. Fire rated 120kg Carrying capacity per pair (Code - DBB-SS-009)	Pairs	5.0		
3	Dormakaba or similar approved manual flush bolts and dust proof strike	No	1		
	LOCKS				
	Dormakaba or similar approved:				
4	Stainless steel cylinder sash lock, case dimensions (mm) 102H x 78D, forend dimensions (mm) 155H x 22W, backset 57mm, at 61mm centres (Code: D035S SS).	No	9		
5	66mm Five pin Euro-profile double cylinder grand master keyed.	No	10		
6	43mm Five pin Euro-profile SINGLE cylinder grand master keyed.	No	1		
7	Dormakaba bathroom deadlock case dimensions(mm) 38h x 76d. Forend dimensions(mm) 78h x 22.5W, backset 55MM	No	5		
8	Dormakaba cylinder sash lock, case dimensions(mm) 116.5H X 78D forend dimensions(mm) 168H x 22W backset 57mm centres 61mm	No	3		
9	Dormakaba 63mm - 31.5 + 31.5mm Europrofile nickel plated E-SP 5 pin double cylinder master keyed	No	6		
	Carried to Collection			R	

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 8
IRONMONGERY

	HANDLES				
	Satin Chrome or similar approved:				
10	Halcast 150mm SC on brass surface fix pull handle fitted with one way type screws (code:109SC)	No	5		
11	Dormakaba lever handle on plate with cylinder cutout (Code: CB30 Cyl S.C)	Sets	6.0		
12	Stainless steel pull handle with no cylinder cutout	Sets	1.0		
13	'Dormakaba DPH301 C BT' Stainless steel straight pull handle BT	No	5		
14	325mm x 25mm straight tubular pull handle flange fixing	No	1		
	HINGES, FLOOR SPRING HINGES, BOLTS, PANIC BOLTS, ETC. (CPAP Work Group No 132)				
	Hinges, floor spring hinges, bolts, panic bolts, etc:				
15	"Dormakaba -DBB-SS-009' 102 x 75 x 3mm Stainless steel ball bearing butt hinges with stainless steel fixing screws.	Pairs	7.0		
	CATCHES, CABIN HOOKS, ETC (CPAP Work Group No 132)				
	Catches, cabin hooks, etc:				
16	'Halstead 166-150SC' 150mm Satin chrome cabin hook and eye including 70 x 70 x 20mm chamfered hardwood block twice oiled and plugged.	No	1		
	EN-SUITE LOCKS. (CPAP Work Group No 132)				
	En-Suite Locks:				
17	'Dorma DO37D -SS' euro-profile cylinder dead lock with striking plate fixed to steel.	No	1		
18	'Dormakaba DO37D-SS' Stainless steel euro profile cylinder deadlock with striking plate fixed to timber.	No	1		
	Carried to Collection			R	

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 8
IRONMONGERY

19	'Dormakaba DMWC-SS-008' Bathroom/WC dead lock with striking plate fixed to timber.	No	5		
20	'DormakaBa DO36S-SS' Stainless steel euro profile cylinder sash lock with striking plate fixed to timber.	No	3		
21	'Dormakaba DWC-005' Bathroom/WC stainless steel indicator (red and white) and turnknob with striking plate fixed to timber.	Sets	5.0		
	HANDLES, ETC. (CPAP Work Group No 132)				
	Handles, etc:				
22	Dormakaba DPH301 325x25mm straight tubular pull handle flange fixing	No	1		
23	'Dormakaba DPH209 BT' 200 x 22mm Stainless steel straight tubular pull handle BT.	No	1		
	PUSH PLATES AND KICKING PLATES (CPAP Work Group No 132)				
	Grade 304 stainless steel plates countersunk screwed along edges at not exceeding 200mm centres:				
24	'Dormakaba DKP-430-BL' 150 x 300 x 1.2mm thick stainless steel kick plate with 6 no countersunk holes fixed to doors with 8 x 30mm stainless steel screws.	No	5		
25	Dormakaba DKP-430-BL' 150 x 300 x 1.2mm thick stainless steel kick plate. stanless steel kickplate to be glue fixed.	No	4		
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Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 8
IRONMONGERY

	DOOR CLOSERS (CPAP Work Group No 132)				
	Door closers:				
26	'Dormakaba non hold open with double action door closer	No	1		
27	'Dormakaba TS83 PA + Parallel Arm Bracket EN 3-6' Parallel arm non hold open door closer with adjustable strength hydraulic speed control, push side fixing (Parallel Arm included), EN3 850-950, EN4 950-1100, EN5 110-1250, EN6 1250-1400,. Door closer tested to EN 1154. Approved to AS1905 Part 1 Fire resitant doors. Certified manufacturer to ISO 9001.	No	1		
28	Dormakaba or similar approved non - hold open cam action slide action door closer	No	1		
29	Dormakaba EN 3 Cam action door closer with standard NON-HOLD OPEN slide channel arm. EN1154, certified to ISO 9001. Hydraulic speed control. Standard pull-side door leaf fixing. Transom push-side fixing. EN3 suitable for door width 850-950mm. Fire rated: CERTI FIRE approved (CF 119) for door types of ITT 120, MM/IMM 240. (Hold open not recommended for use on fire rated doors)	No	1		
	LETTERS, NAMEPLATES, ETC. (CPAP Work Group No 132)				
	Letters, name plates, etc:				
30	'Dorma DSS-130M' 150 x 150mm Stainless steel male indicator plate.	No	1		
31	'Dormakaba DSS-131F' 150 x 150mm Stainless steel female indicator plate.	No	1		
32	'Dormakaba or similar approved 150 x 150mm Stainless steel disabled person sign or indicator plate.	No	3		
	Carried to Collection			R	

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 8
IRONMONGERY

	BATHROOM FITTINGS. (CPAP Work Group No 132)				
	VersiTrack or similar approved				
33	50m Stainless steel curtain rail & rod to specialist fixed to wall, finished with curtains to be minimum 30 minute fire rated.	No	11		
	SUNDRIES. (CPAP Work Group No 132)				
	Manufactured by "Dormakaba" or similar approved:				
34	Stainless steel floor mounted door stop plugged to floor (Code: DDS-SS-017).	No	9		
35	Concealed fixing doorstop (Code DJW)	No	5		
36	Halcast 401SC doorstop and holder	No	3		
37	Dormakaba or similar approved 200mm wide x 1.2 mm stainless steel push plate	No	2		
38	'Dormakaba DHC-SS-031B' Stainless steel hat and coat hook.	No	5		
	STEEL FURNITURE (CPAP Work Group No 132)				
	Epoxy coated steel:				
39	Steel Single over single bunk bed size 1900 x 910mm comprising on 25mm diameter x 1,6mm thick tublar steel head frame, foot frame and legs, welded to 40 x 40 x 2,5mm thick angle iron frame with maximum 60mmx60mm mesh mattress support welded to frame with 4x 40 x 40 x 3mm thick base plate welded to bed frame including 150mm thick medium density foam student mattress covered in poly-cotton warp knit. Maximum carry weight to be 120kg. Bed assembly and stability to be done as per manufacturer's recommendations.	No	50		
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Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 8
IRONMONGERY

Section No. 2

RENOVATIONS & REFURBISHMENTS

Bill No. 8

IRONMONGERY

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Bill No.9 : METALWORK

TRADE PREAMBLES

Trade Preambles:

For Trade Preambles refer to 'Model Preambles for Trades' (2008 edition) for the full descriptions of material to be used and work to be done in this Bill.

SUPPLEMENTARY PREAMBLES

Proprietary items or materials:

Proprietary items or materials where specified are to be of the brand specified - or other equal approved - by the Principal Agent.

National treasury designated sectors instructions:

Only locally produced or locally manufactured products and components for construction with a stipulated mimimum thresholds as set out in the National Treasury Designated Sectors must be complied with and the tenderers must complete returnable document 'Declatation Certificate For Local Production and content For Designated Sectors SBD 6.2' included in T2.2.14 included in Volume 2 of these tender/ contract documents documents.

Tenderers/ contractors are to ensure they are conversant the the National Treasury Designated Sector legislation and ensure their pricing complies with it. No claims in respect of the National Treasury Designated Sectors legislation will be entertained.

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.

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Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 9
METALWORK

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

Aluminium doors, windows, etc.

Doors and windows shall comply with AAAMSA design criteria Glazing shall comply with SAGGA regulations. Glass shall be laminated performance glass as shown on the window schedules/drawings appended to these bills of quantities as described in the headings to window descriptions. 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 issued separately with 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

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Section No. 2
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Bill No. 9
METALWORK

	GALVANISED PRESSED STEEL DOOR FRAMES				
	1,6mm Double rebated frames suitable for 140mm walls with two pairs brass butt hinges per door leaf:				
1	Frame for door 813mm x 2032mm high.	No	9		
2	Frame for double door 1950mm x 2100mm high.	No	1		
	ALUMINIUM WINDOWS				
	All windows and doors to be approved by the Architect prior to installation.				
	Note: Tenderers are referred to architect's drawings indicating the general window and door layout as annexed to these bills of quantities for tender purposes.				
	All aluminium units to comply with AAAMSA standards and to Architects approval:				
	Natural anodised purpose made aluminium windows, complete with subframes, ironmongery, glazing to comply with SABS 0400, sealing, including 30 x 12mm galvanised steel flat bar with 10mm diameter galvanised steel round bars infill at approximately 125mm centres fixed to frame during manufacture, over all opening sections and fixing to brickwork with M10 expansion bolts. All coating and burglar bars to be executed by manufacturer in accordance with SANS 1796, all as per Architect window schedule.				
3	Window and frame of irregular shape 1200mm x 1800 mm high overall from one brickwall.[Ref Drawing No.GH A1003 of Architectural Drawings]	No	8		
4	Window and frame of irregular shape 1800mm x 1800 mm high overall from one brickwall.[Ref Drawing No. GH A1003 of Architectural Drawings]	No	2		
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METALWORK

5	Window and frame 1200mm x 1800 mm high overall from one brickwall.[Ref Drawing No. GH A1003 of Architectural Drawings]	No	1		
6	Window and frame 1200mm x 1200 mm high overall from one brickwall.[Ref Drawing No. GH A1003 of Architectural Drawings]	No	2		
7	Window and frame 600mm x 600 mm high overall from one brickwall.[Ref Drawing No. GH A1003 of Architectural Drawings]	No	4		
8	Window and frame 600mm x 1200 mm high overall from one brickwall.[Ref Drawing No. GH A1003 of Architectural Drawings]	No	1		
	GALVANISED STEEL BURGLAR BARS				
	Purpose made wall mounted trellidor burglar bars or similar approved burglar bars constructed from 30mm x 12 mm flat bars with 10mm round bars in full approximately 125mm centres, fixed to wall with M10 expansion bolts to cover door space to specialist.				
9	1800 mm x 2125mm high burglar overall [reference, D10]	No	1		
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METALWORK

Section No. 2

RENOVATIONS & REFURBISHMENTS

Bill No. 9

METALWORK

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RENOVATIONS & REFURBISHMENTS
Bill No. 9
METALWORK

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BILL NO. 10

STRUCTURAL STEELWORK

PREAMBLES

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.

SUPPLEMENTARY PREAMBLES

Descriptions of bolts shall be deemed to include nuts and washers.

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

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

NOTE: All steel will be painted unless otherwise stated.

Reference to drawings and details:

Where drawings and/ or details have been referred to Tenderers should price for complete detail and specification on such details and/ or drawing. No claims relating to the omissions on the part of tenders will be entertained.

Descriptions of bolts, anchors, etc.:

Unless otherwise described, descriptions of items shall be deemed to include for fixing to brickwork or concrete.

Carried to Collection R

	Where item are described as "bolted", the bolts are measured elsewhere. 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.				
	STEEL PURLINS, GIRTS, BRACING, ETC				
	Purlins and girts, bolted to steel				
1	200 x 100 x 20 x 2.5mm Thick cold- formed lipped channel purlins on single lengths exceeding 44mm and not exceeding 45 mm long, including holes and bolting to 125 x 75 x 8Lg cleats with 4m12 bolts	t	1.09		
2	75 x 50 x 20 x 2mm Thick cold-formed lipped channel purlins on single lengths exceeding 44mm and not exceeding 45 mm long, including holes and bolting to 50 x 50 x 5Lg cleats with 2m12 bolts	t	0.11		
	Welded bracing, anti-sag rails, etc with flat connection plates, bolted to steel				
3	305 x 102 x 25kg/m I section with 100mm deep tapered sprocket, a welded cleat and thick end plate bolted	t	2.98		
4	50 x 50 x 5L sag angle bolted against purlins with 2m12 bolts	t	0.56		
	BOLTS, FASTENERS, ETC				
5	16mm Diameter chemical anchor	No	32		
6	4 x m12 bolts	No	32		
7	2 x m12 bolts	No	32		
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Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 10
STRUCTURAL STEELWORKS

	PAINTING				
	One coat Epiwash Strontium Chromate Primer (AW 255), two coats Plascothane 9000 Polyutherane Acrylic (PRU 9000) Base & PRH 9 curing agent				
8	On structural steel lattice columns, beams, trusses, etc	m2	111		
9	On steel purlins, girts, etc	m2	48		
	Intumescent paint:				
10	Apply FR120 intumescent paint to structural steel work.	m2	159		
	SUNDRIES				
11	190mm thick concrete block wall eaves closure to match existing	m2	23		
12	Remove existing 125 x 50 x 20 x 2mm cold- formed lipped channel railing fixed to bullnose	t	0.49		
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STRUCTURAL STEELWORKS

Section No. 2

RENOVATIONS & REFURBISHMENTS

Bill No. 10

STRUCTURAL STEELWORKS

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	BILL NO. 15				
	PLASTERING				
	The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document.				
	SCREEDS				
	3:1 Cement screed on concrete:				
1	40mm Thick screed on floors and landings.	m2	41		
	EXTERNAL PLASTER				
	12mm Thick 4:1 One coat cement plaster steel trowelled on brickwork:				
2	On walls (Provisional).	m2	136		
3	On narrow widths.	m2	14		
4	Brick piers.	m2	14		
	INTERNAL PLASTER				
	12mm Thick 4:1 One coat cement plaster steel trowelled on brickwork:				
5	On walls (Provisional).	m2	409		
6	On narrow widths,soffits.	m2	41		
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Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 11
PLASTERING

Item No		Quantity	Rate	Amount

Bill No.12 : PLUMBING AND DRAINAGE

TRADE PREAMBLES

Trade Preambles:

For Trade Preambles refer to 'Model Preambles for Trades' (2008 edition) for the full descriptions of material to be used and work to be done in this Bill

SUPPLEMENTARY PREAMBLES

Proprietary items or materials:

Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.

National treasury designated sectors instructions:

Only locally produced or locally manufactured products and components for construction with a stipulated mimimum thresholds as set out in the National Treasury Designated Sectors must be complied with and the tenderers must complete returnable document 'Declatation Certificate For Local Production and content For Designated Sectors SBD 6.2' included in T2.2.14 included in Volume 2 of these tender/ contract documents documents.

Tenderers/ contractors are to ensure they are conversant the the National Treasury Designated Sector legislation and ensure their pricing complies with it. No claims in respect of the National Treasury Designated Sectors legislation will be entertained.

'Polycop' polypropylene pipes:

Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with 'Fast-fuse' heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated.

Carried to Collection R

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 12
PLUMBING AND DRAINAGE

Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions.

All pipe diameters are nominal external.

'Polylink' polypropylene pipes:

Polypropylene pipes 63mm diameter and over shall be class 12 pipes jointed with cast iron 'Supraclamp' running joints.

Fusion welded bends, once or twice mitred as necessary, and tees shall be factory manufactured.

Fusion welded bends and tees shall include jointing to pipes with PVC rubber ring double X joint couplers.

Branch tees shall include flanged and bolted joints to 'Polycop' branch pipes in addition and for brass compression male iron to copper straight couplers.

Reducers shall include jointing to pipes with PVC rubber ring double Z joint couplers and reduces shall be of sufficient overall length to accommodate same.

All pipes shall be jointed and fixed strictly in accordance with the manufacturer's instructions.

All pipe diameters are nominal external.

Concrete pipes:

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

Vitrified clay pipes etc:

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

uPVC pipes and fittings.

Carried to Collection R

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 12
PLUMBING AND DRAINAGE

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.

uPVC pressure pipes and fittings:

Pipes for water supply shall be of the class stated.

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

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

Copper pipes:

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

Fixing of pipes

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

Lead pipes and traps:

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

Carried to Collection R

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 12
PLUMBING AND DRAINAGE

Reducing fittings:

Where fittings have reducing ends or branches they are described as 'reducing'. In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the Contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained.

Wire gratings:

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

Septic tanks:

Descriptions of septic tanks shall be deemed to include excavation, bedding and jointing, concrete base slabs, jointing to drains and backfilling, compaction, etc all in accordance with the manufacturer's instructions.

Exposed concrete surfaces:

Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster.

Excavations:

No claim for rock excavation will be entertained unless the Contractor has timeously notified the quantity surveyor thereof prior to backfilling.

'Soft rock' and 'hard rock' shall be as defined in 'Earthworks'.

Laying, backfilling, bedding, etc of pipes:

Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions.

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Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 12
PLUMBING AND DRAINAGE

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clause 3, 5.5, 5.6, 5.7 and 7 of SAB.

Flush pans:

Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary.

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

Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable.

Waste unions:

Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings.

Steel sectional water tanks:

Tanks shall comply with SABS CKS 114.

'Densyl' petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd:

Pipes to be taped shall be coated with the appropriate primer and the tape shall be applied with minimum 15mm lap per spiral unless otherwise described.

Couplings and fittings to pipes shall be taped in strict accordance with the manufacturer's instructions including all mastic, tape, 'Layflat' sheeting, securing of same, etc.

Prices for wrapping of pipes shall include for all work as described to couplings in the length.

SANITARY FITTINGS (CPAP Work Group No 148)

Carried to Collection R

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 12
PLUMBING AND DRAINAGE

	'Vaal Sanitaryware or similar approved:				
1	White vitreous china (wc) “Hibiscus Elite Vandal Proof ” low level cistern (code 7116LV), complete with front push button, lid, fitments and low level flush pipe.	No	5		
2	510 x 430mm White vitreous enamel whb bolted to wall two times including short lengths of piping, taps, traps, etc.	No	4		
	Viega Advantix or similar approved				
3	Stainless steel standard floor drain (Code: 4921.76) including 110mm diameter x 5mm thick Visign RS15 grating (Code: 4976.31) with 50mm horizontal waste outlet connected to waste pipe.	No	1		
	Frank or similar approved				
4	RODX674B or similar approved stainless steel toilet roll holder for 4 rolls for wall mounting, surface satin finished, material thickness 0.8 mm, with spindle system, cylinder lock with Franke standard key, including stainless steel screws and dowels.	No	5		
5	400 x 290 x 230mm deep Stainless steel sensor type paper roll dispenser (code: 359702), size 400 x 290 x 230mm deep with 200mm wide paper and security lock, plugged and screwed to the wall with stainless steel screws	No	1		
6	Heavy Duty Stainless steel Pedal Sanitary Bin (20ltr) with plastic removable bucket, size 490mmx420mmx170mm, manufactured from 0.7mm stainless steel 430 mirror finished interior and exterior.	No	5		
7	RODX605 or similar approved 0,8mm thick satin finished stainless steel waste bin (Code:2120097), size 355 x 168 x 460mm high with capacity of 23 litres and cylinder lock and standard Franke key, plugged and screwed to the wall with stainless steel screws	No	1		
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Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 12
PLUMBING AND DRAINAGE

8	BHM5P polished stainless steel single arm single arm soap rack (Code: 359943), size 110 x 114mm deep, plugged and screwed to the wall with stainless steel screws	No	5		
	Shower door				
9	Aqua D'Or Alpine Pivot Shower Door - Chrome (880 x 880 x 1850mm) to include all accessories, installed in accordance with the manufacturer's recommendations.	No	5		
	Nampak or similar approved				
10	120 x 210x112mm stainless steel liquid soap dispenser	No	4		
	WASTE UNIONS ETC (CPAP Work Group No 148)				
	'Cobra Watertech' or equal approved waste unions etc:				
11	40mm chrome plated shower waste (Code: 323CP) with 75mm diameter shower grating.	No	5		
	TAPS, VALVES, ETC (CPAP Work Group No 148)				
	Cobra or similar approved.				
12	CS-294CP one hole basin mixer with castfixed outlet.1/2 BSP female inlets. SANS 226 TYPE 2.	No	4		
	'Cobra Watertech' shower roses and accessories:				
13	Vandalproof shower head, singlefunction, chrome. Includes: 1/2" BSP male inlet, 10L/min maximum flow restrictor, self-cleaning spray nozzle, and minimum flow pressure 50 kPa	No	5		
	FIRE APPLIANCES ETC. (CPAP Work Group No 148)				
	'Chubb':				
14	4,5kg Dry powder chemical fire extinguisher.	No	1		
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RENOVATIONS & REFURBISHMENTS
Bill No. 12
PLUMBING AND DRAINAGE

15	4,5kg Carbon dioxide fire extinguisher.	No	1		
	RAINWATER DISPOSAL				
	0.6 mm Seamless aluminium prepainted gutter system:				
16	**150mm x 100mm x 0.6mm Ogee profile precoated aluminium seamless gutter, colour to mach roof sheeting including rivet an end caps internal sealed usng silicon mastic fixed internal hangers [refer Architectural Drawing no GHA-A1002}**	m	53		
17	Extra over eaves gutter for stopped end.	No	4		
18	Extra over eaves gutters for angle	No	4		
19	Extra over eaves gutter for outlet for 50 x 75mm diameter outlet.	No	4		
20	Jojo leaf eater advanced rain head	No	4		
21	100 x 75 x 0,6mm thick Pre-coated aluminium rectangular fluted downpipes,in colour to match gutter fixed to walls with pre-painted downpipe cleats using nail-in anchor fixings and allow for down pipe to punch through the parapet wall to direct water away fro building .	m	9		
22	Extra over rainwater pipe for bend.	No	8		
23	Extra over rainwater pipe for shoe.	No	4		
24	Extra over 50 x 75mm rainwater pipe for eaves or plinth offset 800mm projection.	No	4		
25	Ditto, but for eaves offset 600mm projection.	No	2		
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Section No. 2
RENOVATIONS & REFURBISHMENTS
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PLUMBING AND DRAINAGE

Section No. 2

RENOVATIONS & REFURBISHMENTS

Bill No. 12

PLUMBING AND DRAINAGE

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RENOVATIONS & REFURBISHMENTS
Bill No. 12
PLUMBING AND DRAINAGE

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Bill No.13 : GLAZING

TRADE PREAMBLES

PREAMBLES

The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.

SUPPLEMENTARY PREAMBLES

Proprietary items or materials:

Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.

Float glass

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

National treasury designated sectors instructions:

Only locally produced or locally manufactured products and components for construction with a stipulated mimimum thresholds as set out in the National Treasury Designated Sectors must be complied with and the tenderers must complete returnable document 'Declatation Certificate For Local Production and content For Designated Sectors SBD 6.2' included in T2.2.14 included in Volume 2 of these tender/ contract documents documents.

Tenderers/ contractors are to ensure they are conversant the the National Treasury Designated Sector legislation and ensure their pricing complies with it. No claims in respect of the National Treasury Designated Sectors legislation will be entertained.

Carried to Collection R

	TOPS, SHELVES, DOORS, MIRRORS, ETC.				
	8mm "Franke" mirrors or equally approved , concealed thief resistant fixings, plugged and screwed to the wall with stainless steel screws:				
1	600 x 900 x 4mm thick mirror at 1,010mm above ffl, to be fixed to wall by means of adhesive	No	4		
	Carried to Collection			R	

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 13
GLAZING

Section No. 2

RENOVATIONS & REFURBISHMENTS

Bill No. 13

GLAZING

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Bill No.14 : PAINTWORK

TRADE PREAMBLES

Trade Preambles:

For Trade Preambles refer to 'Model Preambles for Trades' (2008 edition) for the full descriptions of material to be used and work to be done in this Bill.

SUPPLEMENTARY PREAMBLES

Proprietary items or materials:

Proprietary items or materials where specified are to be of the brand specified - or other equal approved - by the Principal Agent.

National treasury designated sectors instructions:

Only locally produced or locally manufactured products and components for construction with a stipulated mimimum thresholds as set out in the National Treasury Designated Sectors must be complied with and the tenderers must complete returnable document 'Declatation Certificate For Local Production and content For Designated Sectors SBD 6.2' included in T2.2.14 included in Volume 2 of these tender/ contract documents documents.

Tenderers/ contractors are to ensure they are conversant the the National Treasury Designated Sector legislation and ensure their pricing complies with it. No claims in respect of the National Treasury Designated Sectors legislation will be entertained.

Supplementary preambles:

All work to be executed in strict accordance with the specifications of Plascon Paints (Pty) Ltd. The coating systems are as per Plascon's 'List of Decorative Paint Products' unless otherwise specified. Full specifications are available on request from Sophie Fourie Tel. (011) 301-4600 or from the various branch offices.

Carried to Collection R

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RENOVATIONS & REFURBISHMENTS
Bill No. 14
PAINTWORK

	Primers and first coats may be thinned in accordance with the paint specifications of Plascon Paints (Pty) Ltd to aid the absorption of the paint. All surfaces must be sound, clean and have a moisture content of less than 8% for walls generally and 3% for slabs/screeds etc. Where surfaces of plaster etc are sandy / friable, the first coat must be replaced with 'Plascon Merit' plaster primer thinned 10% with turpentine. **ON FLOATED PLASTER (CPAP Work Group No 152)** **Prepare surfaces and remove all loose material, surface contaminating using polycell sugar solution and apply one coat 'Plascon Professional Plaster Primer' and two coats 'Plascon Wall & All' paint:**				
1	On interior walls.	m2	409		
2	On narrow widths interior walls	m2	41		
3	On exterior walls.	m2	136		
4	On narrow widths exterior walls	m2	14		
	ON METAL (CPAP Work Group No 152) **Remove any loose and flaking residue by means of wire brushing, sand down, wash with 'Polycell Sugar Soap' or weak spirits of salts, rinse, spot priming with 'Plascon Namelcote Synthetic Metal Primer' and apply one coat 'Plascon Merit Universal Undercoat' and two coats 'Plascon Velvaglo Polyurethane Enamel' paint on existing Enamel based paint surfaces:**				
5	On members of existing steel roof trusses	m2	57		
6	On rails, bars, pipes, etc not exceeding 300 mm girth in poor condition.	m	82		
	Carried to Collection			R	

	Remove all paint and rust completely. Apply Rust Remover (RR 1) to rusted areas and scrub with hard bristle brush to remove rust. Rinse thoroughly with tap water. Repeat process if rust is not removed. Dry surface rapidly to prevent flash rust formation. In areas where rust cannot be removed completely, remove all loose rust by scraping and wire brushing, then apply Rusist Rust Converter (EMS 21) copiously, but only to areas where tightly adherent rust remains. Allow coating to turn black (minimum 4 hours) before overcoating. Remove Rust Converter with water where it has not reacted and turned black. Ensure surfaces are clean, dry and sound. Apply either Universal Undercoat (UC 1) or Professional Undercoat (PU 800) to bare and repaired areas. Allow 16 hours to dry; or apply Multisurface Primer (WUP 1) to bare and repaired areas. Allow 2 hours to dry. Finish with two coats of Satin Enamel paint with 16 hours drying time between coats, for a maintenance cycle of 3 years in a C1 - inland					
7	Existing Exterior Steel Doors and Frames with burglars bars **Remove surface contaminants using Polycell Sugar Soap solution - 500 g Polycell Sugar Soap Powder (501703) dissolved in 5 litres water, or Polycell Sugar Soap Liquid (5018010). For stubborn contaminants use hot water in the above mix and a bristle broom or scrubbing brush. Rinse with tap water to remove all traces of sugar soap and allow to dry. Ensure surfaces are clean, dry and sound. Moisture content not more than 8% measured on a Doser Hygrometer BD2 scale (or equivalent) before painting. Apply Plaster Primer (UC 56) or Professional Plaster Primer (PP 700) to bare and repaired areas. Allow 16 hours to dry. Finish with two coats of Super Acrylic with 1 hour drying time between coats, for a maintenance cycle of 5 years in a C1 - inland environment. Colour: As per Architect.**	m2	6			
8	Existing Wind Blocks	m2	29			
	Carried to Collection			R		

Section No. 2
RENOVATIONS & REFURBISHMENTS
Bill No. 14
PAINTWORK

	ON WOOD, WOOD BOARD (CPAP Work Group No 152)				
	One coat oil wood primer and Two coats superior quality clear gloss varnish :				
9	Backs of frames, linings, etc. not exceeding 300mm wide.	m	59		
	Stop, fill, sand down and prepare wood surfaces and apply two coats 'Plascon Oil Wood Primer' all round prior to installation, one coat 'Plascon Merit Universal Undercoat' and two coats' Plascon Velvaglo Velvet Ploy urethane Enamel' paint:				
10	On interior skirtings, rails, etc not exceeding 300 mm girth.	m	124		
	ON WOOD, WOOD BOARD (CPAP Work Group No 152)				
	One coat primer, one coat alkyd based universal undercoat and two coats gloss enamel interior quality				
11	Interior Doors	m2	31		
12	Door frames ,etc	m2	23		
	ON FIBRE-CEMENT BOARD SURFACES				
	One coat alkali resistant primer and two coats Polvin walls and ceiling (EPL 30)superior quality acrylic or equally approved paint for interior and exterior use				
13	Ceilings and cornices, including priming metal cover strips and nail heads.	m2	41		
14	Fascias, bargeboards, etc.	m2	24		
	Carried to Collection			R	

Section No. 2

RENOVATIONS & REFURBISHMENTS

Bill No. 14

PAINTWORK

COLLECTION

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Item No			Quantity	Rate	Amount
	BILL NO. 15				
	TILING				
	The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document.				
	WALL TILING				
	200 x 200mm White glazed ceramic wall tiles, fixed to wall plaster backing with TAL tile adhesive with joints continuous in both directions and grouted with TAL tile grout (Plaster elsewhere)				
1	On walls	m2	55		
2	On narrow widths	m2	5		
3	Tile window sills	m	6		
	FLOOR TILING				
	300 x 300mm Ceramic floor tiles (code:1UNICT112A300) fixed with adhesive to bedding (bedding elsewhere) and flush pointed with tinted waterproofing jointing compound.to Architect's approval				
4	On floors and landings	m2	61		
	Rustico Sand Blend or equally approved mesh backed full body ceramic mosaic tiles, size 48 x 48mm on sheet size 300 x 300mm (Code:FT 2295M) fixed mesh side down with suitable adhesive to bedding (Bedding elsewhere) and flush pointed with tinted waterproof jointing compound				
5	On raised shower floors	m2	12		
	Carried to Collection			R	

	SUNDRIES				
	Aluminium dividing strips, etc.:				
6	40mm Aluminium transition strip embedded into screed between vinyl sheeting ,grano and ceramic floor tiles.	m	6		
7	'M - Trim' or equally approved natural brass flat bar (Code:BFB - 403), Size 40 x 3mm	m	26		
8	Aluminium round edge transition trim on walls and windows, etc	m	12		
	Carried to Collection			R	

Section No. 2

RENOVATIONS & REFURBISHMENTS

Bill No. 15

TILING

COLLECTION

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Section No. 2

RENOVATIONS & REFURBISHMENTS

SECTION SUMMARY - RENOVATIONS & REFURBISHMENTS

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5	CARPENTRY AND JOINERY	67		
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11	PLASTERING	91		
12	PLUMBING AND DRAINAGE	100		
13	GLAZING	103		
14	PAINTWORK	108		
15	TILING	111		

Carried to Final Summary R

Section No. 2
RENOVATIONS & REFURBISHMENTS

Item No		Quantity	Rate	Amount
	BILL NO.1- PRELIMINARY & GENERAL			
	The following Preliminary and General items are in accordance with the Selected Sub-contract agreement JBCC July 2007 edition and will be the effective terms and conditions applicable to this contract			
1	Site establishment	Item		5000
2	Material Deliveries and storage	Item		35000
3	Travelling costs	Item		
4	Provision of barricades, danger tape, warning signs, First Aid Kits, Safety Equipment and appointment of Safety Officer	Item		5000
	Contractor to ensure that all related travel costs are covered in this BOQ			
	Any other related P&G Costs			
5	Telephone and data usage for the duration of the project	Item		9000
6	Maintainance of barricade, danger tapes, warning signs, First Aid kits, Safety equipements for the duration of the project.	Item		3300
7	Maintenance of safety file	Item		15000
8	Water and electricity	Item		15000
9	De-establishment of the office	Item		5000
10	Project management	Item		32329.92
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Section No. 3
ELECTRICAL INSTALLATION
Bill No. 1
Preliminaries and Generals

Item No			Quantity	Rate	Amount
	BILL NO. 2				
	ELECTRICAL INSTALLATION				
	SUPPLEMENTARY PREAMBLES				
	NOTE: Tenderes are advised to study the latest version of the *Guidelines for Electrical Installation requirements for new prototype schools*. The requirements of the Guidelines for Electrical Installation requirements for New Prototype Schools will however take precedence over Standard Quality Specification for General Electrical Installations (GP/E6/1 Revision 1) and Standard Quality Specification for General Electrical Material and Equipment (GP/E6/2 Revision 1).				
	The complete installation must comply SANS 0142 specifications and the Quality specification in this document. Therefore Tenders are advised to study the specification and drawings before the Bill is to be price.				
	Unless a specific percentage mark-up for Profit and Attendance is indicated in a rate column, the amount priced by the Contractor for Profit and Attendance shall be deemed to be included				
	DISTRIBUTION BOARDS				
	The supply and installation of the following surface mounted distribution boards in line with SABS standards.				
1	DB-GH - 150A TP MAIN DB (GIRLS HOSTEL)			SUM	
2	DB-GH1 - 63A TP GIRLS HOSTEL EAST WING - FED FROM DB-GH			SUM	
3	DB-GH1 - 63A TP GIRLS HOSTEL EAST WING - FED FROM DB-GH			SUM	
	Cable Terminations:				
	Note: Rates Include Armour Glands, Shrouds, Lugs and Connections and Include Drilling of Holes to dB's and Wire Ways:				
4	150 mm x 4-core PVC-SWA cable.	No			
	Carried to Collection			R	

5	120 mm x 4-core PVC-SWA cable.	No			
6	95 mm x 4-core PVC-SWA cable.	No	2		
7	50 mm x 4-core PVC-SWA cable.	No			
8	35 mm x 4-core PVC-SWA cable.	No			
9	25 mm x 4-core PVC-SWA cable.	No			
10	16 mm x 4-core PVC-SWA cable.	No	4		
11	10 mm x 4-core PVC-SWA cable.	No	2		
12	25 mm x 3-core PVC-SWA cable.	No	2		
13	16 mm x 3-core PVC-SWA cable.	No			
14	10 mm x 3-core PVC-SWA cable.	No			
	TRENCHING AND BACKFILLING				
	Trenching				
15	Trenching to lay cable in sleeve. The trench should be 600mm deep and 800mm wide.	m3	300		
16	Excavation on Soft rock	m3	185		
17	Excavation on Hard rock	m3	135		
	Backfilling				
18	Backfilling and compacting as initially found. Including disposal of unsuitable/surplus material.	m	300		
	Sleeves				
19	Kabelflex 110mm Black flexible PVC sleeve installed in trenches, including draw wire, slow bends and elbows. Excluding trenching	m	300		
20	Kabelflex 50mm Black flexible PVC sleeve installed in trenches, including draw wire, slow bends and elbows. Excluding trenching	m	300		
	Carried to Collection			R	

Section No. 3
ELECTRICAL INSTALLATION
Bill No. 2
ELECTRICAL WORKS

	Seal Cable Sleeves				
21	Seal off cable sleeves ends after the installation of cables with a non hardening product like Polyurethane. Supply	No	2		
22	Supply and install yellow electrical cable dange tape at 400mm below finished ground level in the trenches above.	m	300		
	LIGHT FITTINGS				
	Rates for supplying lighting fittings, type of lamps and wattage are described.				
23	Supply and install a 4400lm LED, Cool white, Linear Light fitting with diffuser. Brand: Enlite Code: EN-SFS1240/40 OR Equal and approved. TYPE B	No	89		
24	Supply and Install as above but with 20% maintained battery pack (Cool white). A separate non-switched live feed from out-going side of MCB to emergency	No	18		
25	Supply and install 15W Cool white polycarbonated round drum LED wall mounted bulkhead. Brand: Enlite Code: EN-BH15/40 TYPE BH1 OR equally approved.	No	21		
26	Supply and install 20W Cool white polycarbonated round drum LED wall mounted bulkhead IP65. Brand: Enlite Code: EN-BH120/40 TYPE BH2 OR equally	No	14		
27	Supply and install 15W Cool white polycarbonated round drum LED surface mounted bulkhead with 20% maintained battery pack (Cool white). A separate non-switched live feed from out-going side of MCB to emergency fitting is to be Installed. 24hr. Brand: Enlite Code: EN-BH15/40 TYPE BH3 OR equally approved.	No	8		
28	Supply and install 30W Helius Plus IP65 flood light mounted mounted at high level. Cat, No. EN-FL30B TPYE FL Finish - BLACK. Or equally approved.	No			
	APPLIANCES				
	Carried to Collection			R	

	Switched Sockets				
	Note: Crabtree Diamond Range, or Equal and Approved 16A 3-pin Single Phase Standard Switched Socket Outlet, including Installation and Connection of the Socket and Switch Assembly and Cover Plate, including Box.				
29	Duo flush mounted.	No	6		
30	Single Flush mounted in 100 x 100 box - Normal Earth Pin.	No	53		
31	Ceiling mounted - White 4x4 USB-A/SA/Euro switched socket outlet.	No			
32	White 4x4 USB-A/USB-C SA/Euro switched socket outlet	No			
	Crabtree, or Eal and Approved 16A 3-Pin Flat Earth Pin Type Single Phase Switched Socket Outlet, Including Installation and Connection of the Socket and Switch Assembly and Cover Plate, including Box				
33	Single flush Mounted WHITE - Flush mounted in power skirting including mounting plate.	No	13		
34	13A Two pin international unswitched socket outlet - BS Standard.	No			
	Plug Points Isolators and Switches				
35	Supply and Install New One (1) Lever One (1) Way light switch suitable for 100 x 100 PVC Box complete with cover plates.	No	31		
36	Supply and Install New Two (2) Lever One (1) Way light switch suitable for 100 x 100 PVC Box complete with cover plates.	No			
37	Supply and Install New day night switch for external lighting	No	2		
38	Supply and Install Data Point Cradle and Cover plate suitable for 100 x 100 mm PVC box. Flush Mounted	No	20		
	Carried to Collection			R	

Section No. 3
ELECTRICAL INSTALLATION
Bill No. 2
ELECTRICAL WORKS

39	Supply and Install New Telephone Point Cradle and Cover plate suitable for 100 x 100 mm PVC box. Flush Mounted	No			
40	Supply and Install Data Point Cradle and Cover plate suitable for mounting in power skirting.	No			
41	Supply and Install double pole isolator 20A Isolator	No			
42	Supply and Install double pole isolator 20A Isolator with weaterproof protection.	No			
43	Supply and Install tripple pole isolator 20A Isolator	No			
44	Supply and Install tripple pole isolator 20A Isolator with weatherproof protection.	No	3		
45	Supply and Install tripple pole isolator 30A Isolator	No			
46	Supply and Install tripple pole isolator 30A Isolator with weatherproof protection.	No	2		
	WIREWAYS				
	Cab Strut P803, 3-Compartment Power Skirting Hospital Grey Finish, Surface mounted on Perimeter Wall/partition, Including all Accessories, Front Covers, Chassis Punched Holes and Installation to Complete				
47	Power skirting, Surface Mounted (per metre)	m	14		
48	Power skirting, End caps.	No	2		
49	Power skirting, 90 degree complete bend-piece	No	6		
	Galvanised Steel Wiring Trunking Complete with all Accessories, Metal Cover plates, and as Indicated on Drawings, Suspended from Slab or Steel Structure, excluding Conduit Work and Wiring. Supports tolnclude all Galvanised Hanger brackets,10 mm Threaded Rod & Rawlbolts/ Clamps etc. Spacing Shall be in Accordance with SANS 10142:1 2003, as Amended.				
50	Galvanised Wire Trunking, P9000 (126 x 76 mm).	m	266		
51	Galvanised Wire Trunking, P8000 (76 x 76 mm).	m			
	Carried to Collection			R	

Section No. 3
ELECTRICAL INSTALLATION
Bill No. 2
ELECTRICAL WORKS

52	Galvanised Wire Trunking, P9000 Splayed Distribution Board entry.	No	6		
53	Galvanised Wire Trunking, P9000 Reducer to P8000	No			
	Bends:				
54	Galvanised Bends, P9000 (126 x 76 mm).	No	12		
55	Galvanised Bends, P8000 (76 x 76 mm).	No			
	T-Pieces:				
56	Galvanised T-Piece, P9000 (126 x 76 mm).	No	14		
57	Galvanised T-Piece, P8000 (76 x 76 mm).	No			
	4way Cross Over-Pieces				
58	Galvanised 4Way, P9000 (126 x 76 mm).	No	3		
59	Galvanised 4Way, P8000 (76 x 76 mm).	No			
	End Caps				
60	Galvanised End Caps, P9000 (126 x 76 mm).	No	8		
61	Galvanised End Caps, P8000 (76 x 76 mm).	No			
	Galvanised Welded Medium Duty Wire Mesh Basket Tra y Complete with all Splices and as Indicated on Drawings, Suspended from Slab or Steel Structure, Excluding Conduit Work and Wiring. Supports to Include all Galvanised Hanger Brackets, 10mm Threaded Rod, Rawlbolts/clamps, etc. Spacing Shall be in Accordance with SANS 10142:1 2003, as Amended.				
62	300 mm Galvanised Basket Tray. (Medium).	m			
63	300 mm Galvanised Basket Tray 4-way. (Medium).	No			
64	300 mm Galvanised Basket Tray T-Piece. (Medium)	No			
65	300 mm Galvanised Basket Tray Bend. (Medium)	No			
	Carried to Collection			R	

Section No. 3
ELECTRICAL INSTALLATION
Bill No. 2
ELECTRICAL WORKS

	Cables:				
	Note: Rates Include for Supply, Delivery and Complete Installation of the following Copper Cables laid in Trenches, Installed in Sleeves, Fixed on surface and Laid on trays.				
66	150 mm x 4-core PVC-SWA cable.	m			
67	120 mm x 4-core PVC-SWA cable.	m			
68	95 mm x 4-core PVC-SWA cable.	m	200		
69	70 mm x 4-core PVC-SWA cable.	m			
70	50 mm x 4-core PVC-SWA cable.	m			
71	35 mm x 4-core PVC-SWA cable.	m			
72	25 mm x 4-core PVC-SWA cable.	m	100		
73	16 mm x 4-core PVC-SWA cable.	m			
74	10 mm x 4-core PVC-SWA cable.	m			
75	25 mm x 3-core PVC-SWA cable.	m			
76	16 mm x 3-core PVC-SWA cable.	m			
77	10 mm x 3-core PVC-SWA cable.	m			
78	Supply and install 6 mm PVC insulated copper wire	m	60		
79	Supply and install 4 mm PVC insulated copper wire	m	30		
80	Supply and Install 2.5 mm PVC insulated copper wire.	m	2 050		
	Insulated Earth Wire, Drawn into Conduit, Wiring Channel or Power Skirting:				
81	2.5 mm Insulated Earth Wire.	m	1 025		
82	4 mm Insulated Earth Wire.	m	30		
83	10 mm Bare Copper Earth Wire.	m			
84	16 mm Bare Copper Earth Wire.	m	100		
	Carried to Collection			R	

Section No. 3
ELECTRICAL INSTALLATION
Bill No. 2
ELECTRICAL WORKS

85	25 mm Bare Copper Earth Wire.	m			
86	35 mm Bare Copper Earth Wire.	m			
87	50 mm Bare Copper Earth Wire.	m	200		
88	70 mm Bare Copper Earth Wire.	m			
89	95 mm Bare Copper Earth Wire.	m			
90	120 mm Bare Copper Earth Wire.	m			
91	Copper Earth Bar (10 way - Predrilled (250mm X 25 mm x 5 mm), mounted on Insulated Supports at 300 mm AFFL. 10 -13mm earth cable. Earth Resistance less than 10ohms.	No			
	PVC Conduit Installed in Drywall				
92	Install 20 mm PVC Conduit in Drywall.	m			
93	Install 25 mm PVC Conduit in Drywall.	m			
	PVC Conduit Chased in Brickwork, Including Chasing. (Making Good by Others)				
94	20 mm PVC Conduit including Chased in Bricks.	m	246		
95	25 mm PVC Conduit including Chased in Bricks.	m	120		
	PVC Conduit Chased in Brickwork, Including Chasing. (Making Good by Others)				
96	20 mm PVC Conduit including Chased in Bricks.	m			
97	25 mm PVC Conduit including Chased in Bricks.	m			
98	Commisioning and testing of the complete electrical installation according to the design criteria as shown on the drawings.			SUM	
99	Lable all DBs, Isolators, plugs and telephone points, network points.			SUM	
100	Submission of the COC upon completion of the project plus O and M manuals			SUM	
	Carried to Collection			R	

Section No. 3
ELECTRICAL INSTALLATION
Bill No. 2
ELECTRICAL WORKS

Section No. 3

ELECTRICAL INSTALLATION

Bill No. 2

ELECTRICAL WORKS

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Item No		Quantity	Rate	Amount
	BILL NO.3- PC AND PROVISIONAL SUMS			
	BUDGETARY ALLOWANCES - GENERAL			
	These provisional sums may be utilised in full or in part. No expenditure will be allowed without the authority of the Project Engineer in writing.			
1	Allow Twenty- Five Thousand Rands (R25 000,00) for ROUTE of a one way Public Address System for the schools communication system.		SUM	25000
2	Allow Twenty- Five Thousand Rands (R25 000.00) for the route for CCTV and Security system at the new Girls Hostel		SUM	25000
3	Profit and attendence to the electrical contractor		SUM	2500
4	Allow Five Thousand Rands (R5 000,00) for the production of As Built Drawing by contractor by hand with all dimensions and measurements.		SUM	5000
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Section No. 3
ELECTRICAL INSTALLATION
Bill No. 3
BUDGETARY ALLOWANCES

Section No. 3

ELECTRICAL INSTALLATION

SECTION SUMMARY - ELECTRICAL INSTALLATION

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Section No. 3
ELECTRICAL INSTALLATION

Item No			Quantity	Rate	Amount
	BILL NO. 1				
	PRELIMINARIES AND GENERALS				
	The subcontract to be entered into between the Principal Contractor and the nominated/selected sub-contractor shall conform to and incorporate the Main Contract				
	Preliminary and General Conditions of the Main Contract are not included in the Specification Document and shall be part of this Contract				
	The tenderer is referred to the above mentioned documents for the full intent and meaning of each clause thereof				
	If the tenderer wishes to place value to any of the clauses detailed in the Preliminaries he/she should do so hereunder.				
	PRELIMINARIES AND GENERAL CONDITIONS PERTAINING TO THIS CONTRACT				
1	Clearance of Rubbish		Item		
2	Retention Interest		Item		
3	Site Establishment & Clearance		Item		
4	Preparation of Operating and Maintenance Manuals		Item		
5	As-Built Drawings		Item		
6	12 Months Guarantee and Maintenance		Item		
7	Safety File	No			
8	Travelling to site		Item		
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9	Any additional items of Preliminary nature that the Tenderer may wish to add to comply with requirements of specification and/or Bill of Quantities	Item			
	Carried to Collection			R	

Section No. 4
MECHANICAL INSTALLATION
Bill No. 1
PRELIMINARIES AND GENERALS

Section No. 4

MECHANICAL INSTALLATION

Bill No. 1

PRELIMINARIES AND GENERALS

COLLECTION

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Item No			Quantity	Rate	Amount
	BILL NO. 2				
	MECHANICAL INSTALLATION				
	SUPPLEMENTARY PREAMBLES				
	Unless a specific percentage mark-up for Profit and Attendance is indicated in a rate column, the amount priced by the Contractor for Profit and Attendance shall be deemed to be included.				
	EQUIPMENT				
	FIRE INSTALLATIONS				
	Fire Systems				
1	30m Hose reels complete	No	1		
2	Dia 25mm galv pipe above ground	m	8		
3	Dia 25mm galv pipe, 90deg bends	No	5		
4	Dia 25mm gate valves	No	3		
5	Dia 50mm galv pipe above ground	No	20		
6	50mm x 50mm x 25mm tee	No	1		
7	4.5kg DPC Fire Extinguishers	No	2		
8	Fire Signage	No	3		
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Section No. 4
MECHANICAL INSTALLATION
Bill No. 2
FIRE, EQUIPMENT AND WET SERVICES

Section No. 4

MECHANICAL INSTALLATION

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Section No. 4
MECHANICAL INSTALLATION

Item No		Quantity	Rate	Amount
	BILL NO. 6			
	WATER HARVESTING TANKS			
	PREAMBLES			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.			
	Reference to drawings and details:			
	Where drawings and/ or details have been referred to in the description of items the Tenderers should price for complete detail and specification on such details and/ or drawing. No claims relating to the omissions on the part of tenders will be entertained.			
	SUPPLEMENTARY PREAMBLES			
	Supplementary Preambles from relevant trades/Bills in this tender document are applicable to items in this section			
	Extra over all excavations for loading, carting, and dumping surplus excavated material (no allowance made for increase in bulk) :			
	Rainwater tanks:			
1	5kl PVC water storage tank, with lockable lid, inlet, outlet, overflow, scour outlet, all necessary fittings, connectors, adaptors, seals and accessories and setting in position on concrete tankstand (elsewhere measured) and tying down with 8mm diameter galvanised round strand steel rope fastened and secured to side of tank stand with one end fixed to galvanized hook and eye bolt embedded into concrete. (Note: tanks to be filled with water before Practical Completion). **(New item)**	No 4		
	Carried to Collection		R	

	Galvanised steel wire rope, ties, etc:				
2	8mm Galvanised steel wire tie-down straps cast into concrete complete with anchor hooks, washers, nuts and all necessary fixing accessories	m	160		
	Cement plaster on brickwork:				
3	On walls.	m2	41		
	Carried to Collection			R	

Section No. 5
EXTERNAL WORKS
Bill No. 1
WATER HARVESTING TANKS & STANDS

Section No. 5

EXTERNAL WORKS

Bill No. 1

WATER HARVESTING TANKS & STANDS

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FINAL SUMMARY

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	TOTAL WORKS		R	
	TOTAL CONSTRUCTION COSTS (Excluding VAT)		R	
	VAT at the rate of 15%		R	
	Carried to Form of Tender		R	