

**CERTIFICATE OF AUTHORITY FOR SIGNATORY TO AGREEMENT IN TERMS OF OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT NO 85 OF 1993)**

The signatory for the company that is the Contractor in terms of the above-mentioned Contract and the Mandatory in terms of the above-mentioned Act shall confirm his or her authority thereto by attaching to this page a duly signed and dated copy of the relevant resolution of the Board of Directors.

**An example is given below:**

"By resolution of the Board of Directors passed at a meeting held on \_\_\_\_\_ 200.....,

Mr/Ms \_\_\_\_\_ whose signature

appears below, has been duly authorised to sign the AGREEMENT in terms of THE OCCUPATIONAL HEALTH AND SAFETY ACT, 1993 (ACT 85 of 1993) on behalf of \_\_\_\_\_

SIGNED ON BEHALF OF THE COMPANY : \_\_\_\_\_

IN HIS/HER CAPACITY AS : \_\_\_\_\_

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

SIGNATURE OF SIGNATORY : \_\_\_\_\_

WITNESS 1 .....

NAME 1 .....

(IN CAPITALS)

**FREE STATE DEPARTMENT OF HEALTH**

DEPARTMENT NAME: INFRASTRUCTURE MANAGEMENT

CONTRACT NO: DOH (FS) 04/2025/2026

**REFURBISHMENT AND UPGRADES OF EXISTING WARD 2, WARD 4 & WARD 6 AND BOILER HOUSE  
AT NATIONAL HOSPITAL IN BLOEMFONTEIN FOR FREE STATE DEPARTMENT OF HEALTH**

**PART C2 PRICING DATA**

C2.1 PRICING INSTRUCTIONS

C2.2 BILL OF QUANTITIES

## C2.1 PRICING INSTRUCTIONS

### 1. BILLS OF QUANTITIES

The **bills of quantities** forms part of and must be read and priced in conjunction with all the other documents forming part of the **contract documents**, the Standard Conditions of Tender, Conditions of Contract, Specifications, Drawings and all other relevant documentation.

### 2. VALUE ADDED TAX

The tender price must include for Value Added Tax (VAT). All rates, provisional sums, etc. in the **bills of quantities** must however be net (exclusive of VAT) with VAT calculated and added to the Total Value thereof in the Final Summary.

**FREE STATE DEPARTMENT OF HEALTH**

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FOR

**REFURBISHMENT AND UPGRADES OF EXISTING WARD 2, WARD 4 & WARD 6 AND BOILER HOUSE  
AT NATIONAL HOSPITAL IN BLOEMFONTEIN FOR FREE STATE DEPARTMENT OF HEALTH**

**PART C3 SCOPE OF WORKS**

**GENERAL**

**EXTENT OF THE WORKS**

**Refurbishment and upgrades of existing Ward 2, Ward 4 & Ward 6 and Boiler House at National  
Hospital in Bloemfontein for Free State Department of Health**

## DEPARTMENT OF HEALTH FREE STATE

DEPARTMENT NAME: INFRASTRUCTURE MANAGEMENT

CONTRACT NO: DOH (FS) 04/2025/2026  
FOR

REFURBISHMENT AND UPGRADES OF EXISTING WARD 2, WARD 4 & WARD 6 AND BOILER HOUSE  
AT NATIONAL HOSPITAL IN BLOEMFONTEIN FOR FREE STATE DEPARTMENT OF HEALTH

### PART C4 SITE INFORMATION

#### 1. Ground Conditions

The site is generally built up and looks relatively flat.

#### 2. Underground Services

There are existing underground services on site as this facility is in operation.

#### 3. Environmental Issues

Asbestos rubble on site

#### 4. Adjacent Buildings

There are adjacent buildings to the site but these should not affect construction work.

#### 5. Occupied Site

The Hospital Building is currently occupied and is operational.

**DEPARTMENT OF HEALTH FREE STATE**

DEPARTMENT NAME: INFRASTRUCTURE MANAGEMENT

CONTRACT NO: **DOH (FS) 04/2025/2026**

FOR

**REFURBISHMENT AND UPGRADES OF EXISTING WARD 2, WARD 4 & WARD 6 AND BOILER HOUSE  
AT NATIONAL HOSPITAL IN BLOEMFONTEIN FOR FREE STATE DEPARTMENT OF HEALTH**

**PART C5 DRAWINGS**

- Will be handed over at the compulsory site meeting





**Location List Print**

NH-REFURB-BOQ : National Hospital Refurb (2, 4, 6 &amp; Boiler) - BOQ

Date: 2025/11/11

Page: 1

<b>Location Code</b>	<b>Description</b>	<b>Multiplier</b>	<b>Measurable?</b>
	Total Project Area		
2	Ward 2	1	Yes
4	Ward 4	1	Yes
6	Ward 6	1	Yes
A	All	1	Yes
B	Boiler	1	Yes
E	External Works	1	Yes
O	OHS	1	Yes
P	Preliminaries	1	Yes
R	Asbestos Removal	1	Yes

\*\*\* End of Report\*\*\*

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Item No		Quantity	Amount
	<p><b><u>BILL NO. 1</u></b></p> <p><b><u>PRELIMINARIES NOTES</u></b></p> <p>i) The <b>agreement</b> is to be the JBCC Principal Building Agreement, Edition 6.2 - May 2018, and other contract documents that together form the contract between the employer and contractor</p> <p>ii) The <b>preliminaries</b> are to be the JBCC General Preliminaries Edition 6.2 - May 2018 prepared by the Joint Building Contracts Committee, shall be deemed to be incorporated herein</p> <p>iii) Tenderers are referred to the above mentioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary</p> <p>iv) Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading</p> <p>v) Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")</p> <p>vi) If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time</p> <p align="center">-----</p>		
	Carried Forward	R	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>		

**Proposed Refurbishment to  
 National District Hospital  
 Wards 2; 4; 6 & Boiler Plant Room**

		Brought Forward	R
<b><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></b>			
<b><u>Definitions (A1)</u></b>			
1	Definitions and interpretation (clause 1)F:..... V:..... T:..... P : 1.00		Item
<b><u>Objective and Preparation (A2)</u></b>			
2	Offer acceptance and performance (clause 2)F:..... V:..... T:..... P : 1.00		Item
<b><u>Preparation (A3-A14)</u></b>			
3	Documents (clause 3)F:..... V:..... T:..... P : 1.00		Item
4	Design responsibility (clause 4)F:..... V:..... T:..... P : 1.00		Item
5	Employer's agents (clause 5)F:..... V:..... T:..... P : 1.00		Item
6	Site representative (clause 6)F:..... V:..... T:..... P : 1.00		Item
7	Compliance with regulations (clause 7)F:..... V:..... T:..... P : 1.00		Item
8	Works risk (clause 8)F:..... V:..... T:..... P : 1.00		Item
9	Indemnities (clause 9)F:..... V:..... T:..... P : 1.00		Item
		Carried Forward	R
Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<b>Brought Forward</b>	R	
10	Works insurances (clause 10) F:..... V:..... T:..... P : 1.00	Item	
11	Liability insurances (clause 11)F:..... V:..... T:..... P : 1.00	Item	
12	Effecting insurance (clause 12)F:..... V:..... T:..... P : 1.00	Item	
13	State Provisions (clause 13) F:..... V:..... T:..... P : 1.00	Item	
14	Security (clause 14)F:..... V:..... T:..... P : 1.00	Item	
	<b><u>Execution (A15-A23)</u></b>		
15	Preparation for and execution of the works (clause 15) fixed F:..... V:..... T:..... P : 1.00	Item	
16	Access to the works (clause 16)F:..... V:..... T:..... P : 1.00	Item	
17	Contract instructions (clause 17)F:..... V:..... T:..... P : 1.00	Item	
18	Setting out of the works (clause 18)F:..... V:..... T:..... P : 1.00	Item	
19	Assignment (clause 19)F:..... V:..... T:..... P : 1.00	Item	
	<b>Carried Forward</b>	R	
	Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b>		

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<b>Brought Forward</b>	R	
20	Nominated subcontractors (clause 20)F:..... V:..... T:..... P : 1.00	Item	
21	Selected subcontractors (clause 21)F:..... V:..... T:..... P : 1.00	Item	
22	Employer's Direct Contractors (clause 22) F:..... V:..... T:..... P : 1.00	Item	
23	Contractor's Domestic Sub-Contractors (Clause 23) F:..... V:..... T:..... P : 1.00	Item	
	<b><u>Completion (A24-A30)</u></b>		
24	Practical completion (clause 24)F:..... V:..... T:..... P : 1.00	Item	
25	Works completion (clause 25)F:..... V:..... T:..... P : 1.00	Item	
26	Final completion (clause 26)F:..... V:..... T:..... P : 1.00	Item	
27	Latent defects liability period (clause 27)F:..... V:..... T:..... P : 1.00	Item	
28	Sectional completion (clause 28)F:..... V:..... T:..... P : 1.00	Item	
29	Revision of date of practical completion (clause 29)F:..... V:..... T:..... P : 1.00	Item	
	<b>Carried Forward</b>	R	
	Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b>		

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<b>Brought Forward</b>	<b>R</b>	
30	Penalty for non-completion (clause 30)F:..... V:..... T:..... P : 1.00	Item	
	<b>Payment (A31 - A35)</b>		
31	Interim payment to the contractor (clause 31)F:..... V:..... T:..... P : 1.00	Item	
32	Adjustment to the contract value (clause 32)F:..... V:..... T:..... P : 1.00	Item	
33	Recovery of expense and loss (clause 33)F:..... V:..... T:..... P : 1.00	Item	
34	Final account and final payment (clause 34)F:..... V:..... T:..... P : 1.00	Item	
35	Payment to other parties (clause 35) F:..... V:..... T:..... P : 1.00	Item	
	<b>Cancellation (A36-A39)</b>		
36	Cancellation by employer - contractor's default (clause 36)F:..... V:..... T:..... P : 1.00	Item	
37	Cancellation by employer - loss and damage (clause 37)F:..... V:..... T:..... P : 1.00	Item	
38	Cancellation by contractor - employer's default (clause 38)F:..... V:..... T:..... P : 1.00	Item	
	<b>Carried Forward</b>	<b>R</b>	
	Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b>		

**Proposed Refurbishment to  
 National District Hospital  
 Wards 2; 4; 6 & Boiler Plant Room**

	<b>Brought Forward</b>	R	
39	Cancellation - cessation of the works (clause 39)F:..... V:..... T:..... P : 1.00 <b>Dispute (A40)</b>	Item	
40	Dispute Settlement (clause 40) F:..... V:..... T:..... P : 1.00 <b>Contract variables (A41)</b> <b>THE SCHEDULE</b> Information necessary for completion of those clauses contained in the schedule which are necessary for tender purposes is given hereunder	Item	
41	Pre-tender information (clause 41) F:..... V:..... T:..... P : 1.00 <b>41.1 CONTRACTING AND OTHER PARTIES</b> 42.1.1 Employer: Department of Health Free State Postal Address: Bophelo House Cnr Harvey & Charlotte Maxeke Street Bloemfontein 9300 Telephone: Fax: e-mail: <a href="mailto:chisakudtcd@fshealth.gov.za">chisakudtcd@fshealth.gov.za</a> Domicilium: Bophelo House Cnr Harvey & Charlotte Maxeke Street Bloemfontein 9300	Item	
	<b>Carried Forward</b>	R	
	Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b>		

**Proposed Refurbishment to  
 National District Hospital  
 Wards 2; 4; 6 & Boiler Plant Room**

	<p align="right"><b>Brought Forward</b></p> <p>41.1.2                  Agents service: Principal Agent</p> <p>Agent (1) Quantum Built &amp; Environment Consultants (Pty) Ltd</p> <p>Address: 74 Stals Road,                  Wilgehof,                  Bloemfontein,</p> <p>8301                  Telephone: 051 430 8240                  Facsimile:                  Email: <a href="mailto:siyasanga@quantumbuilt.co.za">siyasanga@quantumbuilt.co.za</a></p> <p>41.1.3                  Agents service: Architect</p> <p>Agent (2) DGIT Architects</p> <p>Address: 230 Seven Oaks Avenue,                  Chartwell,                  Johannesburg, 2191,</p> <p>8301                  Telephone: 011 022 4042                  Facsimile:                  Email: <a href="mailto:charl@dgitbep.co.za">charl@dgitbep.co.za</a></p> <p>41.1.4                  Agents service: Quantity Surveyor</p> <p>Agent (3) Quantum Built &amp; Environment Consultants (Pty) Ltd</p> <p>Address: 74 Stals Road,                  Wilgehof,                  Bloemfontein,</p> <p>8301                  Telephone: 051 430 8240                  Facsimile:                  Email: <a href="mailto:siyasanga@quantumbuilt.co.za">siyasanga@quantumbuilt.co.za</a></p>	<p align="center">R</p>	
	<p align="right"><b>Carried Forward</b></p> <p>Section No. 1                  Bill No. 1                  Preliminaries  <b>TENDER BILLS OF QUANTITIES</b></p>	<p align="center">R</p>	

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<p align="right"><b>Brought Forward</b></p> <p>41.1.5 Agents service:           Structural Engineer</p> <p>Agent (4)                   Avat Consulting Engineers</p> <p>Postal Address: No.8 Protea Street                                   East End                                   Bloemfontein                                   9301</p> <p>Telephone:                 +27 51 430 1095</p> <p>Email:                      <u><a href="mailto:pule@kkmanagement.co.za">pule@kkmanagement.co.za</a></u></p> <p>41.1.5 Agents service:           Civil Engineer</p> <p>Agent (5)                   Avat Consulting Engineers</p> <p>Postal Address: No.8 Protea Street                                   East End                                   Bloemfontein                                   9301</p> <p>Telephone:                 +27 51 430 1095</p> <p>Email:                      <u><a href="mailto:pule@kkmanagement.co.za">pule@kkmanagement.co.za</a></u></p> <p>41.1.6 Agents service: Electrical Engineer</p> <p>Agent (6)                   Tladi Consulting Services</p> <p>Postal Address: Donmead House, Cambridge Place                                   Cnr. Kirby and Oxford                                   Bedford Gardens                                   2047</p> <p>Telephone:                 +27 82 896 6076</p> <p>Email:                      <u><a href="mailto:luyanda@tladiconsulting.co.za">luyanda@tladiconsulting.co.za</a></u></p>	<p align="center">R</p>	
	<p align="right"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>	<p align="center">R</p>	

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<p align="right"><b>Brought Forward</b></p> <p>41.1.7 Agents Service :           Mechanical Engineer</p> <p>Agent (7)                    Mekan Engineering Services</p> <p>Postal Address: No.9 Connor Avenue,                                   Westdene,                                   Bloemfontein,                                   9313</p> <p>Telephone:                 +27 51 448 4864</p> <p>Email:                      <a href="mailto:thabiso@mekanes.co.za">thabiso@mekanes.co.za</a></p> <p><b><u>41.2 CONTRACT DETAILS</u></b></p> <p>41.2.1 Works Description:  Refurbishments to existing National District Hospital, wards 2; 4; 6 and Boiler Plantroom including Civil Works</p> <p>41.2.2 Site Description:  Existing Premises of National District Hospital Ward 2; Ward 4; Ward 6 and Boiler Plant Room</p> <p>41.2.3 Work or installations by direct contractors:  <p align="right">No</p></p> <p>41.2.4 This agreement is for a government contract:  <p align="right">Yes</p></p> <p>41.2.5 Date on which possession of the site is intended to be given:  <p align="right">To be advised</p></p> <p>41.2.6 Period for the commencement of the works after the contractor takes possession of the site  <p align="right">Nil    working days</p></p> <p align="right"><b>Carried Forward</b></p>	<p align="center">R</p>	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>	<p align="center">R</p>	

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<p align="right"><b>Brought Forward</b></p> <p>41.2.7 Intended date of practical completion and the penalty per calendar day for the works <b>as a whole</b></p> <p><b>12 Calendar months</b> after contract commencement including builders holidays</p> <p>Penalty: <b>1,75 cents per R100</b> of construction amount per Calendar Day.</p> <p>41.2.8 Intended date of practical completion and the penalty per calendar day for the works in <b>sections</b>:</p> <p align="right"><b>Section 1</b> ..... Date R..... Penalty Amount</p> <p align="right"><b>Section 2</b> ..... Date R..... Penalty Amount</p> <p align="right"><b>Section 3</b> ..... Date R..... Penalty Amount</p> <p align="right"><b>Section 4</b> ..... Date R..... Penalty Amount</p> <p>41.2.9 The law applicable to this agreement shall be that of</p> <p align="center"><i>(country)</i> <b>Republic of South Africa</b></p>	<p align="center">R</p>	
	<p align="right"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>	<p align="center">R</p>	

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<b>Brought Forward</b>	R	
<b><u>41.3 INSURANCES</u></b>			
41.3.1 Contract works insurance to be effected by:			
<i>Contractor:</i>			
<i>For the Sum of Contract Sum + 20%</i>			
<i>With a deductible of (To be decided by the contractor)</i>			
41.3.2 Supplementary insurance is required			
Yes			
41.3.3 Public liability insurance to be effected by:			
<i>Contractor:</i>			
<i>For the Sum of R5 000 000.00</i>			
<i>With a deductible of (To be decided by the contractor)</i>			
<b><u>41.4 DOCUMENTS</u></b>			
41.4.1 Waivers of <b>contractors lien</b> or right of continuing possession is required			
Yes			
41.4.2 Number of construction document copies to be supplied to the <b>contractor</b> free of charge:			
<i>3 (Three) Number of</i>			
41.4.3 <b>Bills of Quantities/Lump sum document</b> schedule of rates drawn up in accordance with:			
<i>ASAQS Standard System of Measuring Building Work: Sixth Edition, revised in February 1999</i>			
41.4.4 On acceptance of the tender the bills of quantities/lump sum document is to be submitted within <b>working days</b>			
<i>Priced bills of quantities to be submitted with tender form of acceptance.</i>			
41.4.5 JBCC Engineering General Conditions are to be included in the <b>contract documents</b> :			
No			
	<b>Carried Forward</b>	R	
Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b>			



**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<b>Brought Forward</b>	R	
	<b><u>SECTION B: PRELIMINARIES</u></b>		
	<b><u>Definition and interpretation (B1)</u></b>		
42	Definition and interpretation (B1.1 - B1.6.5)F:..... V:..... T:..... P : 1.00	Item	
	<b><u>Documents (B2)</u></b>		
43	Checking of documents (B2.1)F:..... V:..... T:..... P : 1.00	Item	
44	Provisional bills of quantities (B2.2)F:..... V:..... T:..... P : 1.00	Item	
45	Availability of construction documentation (B2.3) F:..... V:..... T:..... P : 1.00	Item	
46	Interests of agents (B2.4)F:..... V:..... T:..... P : 1.00	Item	
47	Priced documents (B2.5)F:..... V:..... T:..... P : 1.00	Item	
48	Tender submission (B2.6)F:..... V:..... T:..... P : 1.00	Item	
	<b><u>The site (B3)</u></b>		
49	Defined works area (B3.1)F:..... V:..... T:..... P : 1.00	Item	
	<b>Carried Forward</b>	R	
	Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b>		

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<b>Brought Forward</b>	R	
50	Geotechnical investigation (B3.2)F:..... V:..... T:..... P : 1.00	Item	
51	Inspection of the site (B3.3)F:..... V:..... T:..... P : 1.00	Item	
52	Existing premises occupied (B3.4)F:..... V:..... T:..... P : 1.00	Item	
53	Previous work - dimensional accuracy (B3.5)F:..... V:..... T:..... P : 1.00	Item	
54	Previous work - defects (B3.6)F:..... V:..... T:..... P : 1.00	Item	
55	Services - known (B3.7)F:..... V:..... T:..... P : 1.00	Item	
56	Services - unknown (B3.8)F:..... V:..... T:..... P : 1.00	Item	
57	Protection of trees etc (B3.9)F:..... V:..... T:..... P : 1.00	Item	
58	Articles of value (B3.10)F:..... V:..... T:..... P : 1.00	Item	
59	Inspection of adjoining properties etc (B3.11)F:..... V:..... T:..... P : 1.00	Item	
	<b>Carried Forward</b>	R	
	Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b>		

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<b>Brought Forward</b>	<b>R</b>	
	<b><u>Management of contract (B4)</u></b>		
60	Management of the works (B4.1) F: V: T: P : 1.00	Item	
61	Programming for the works (B4.2)F:..... V:..... T:..... P : 1.00	Item	
62	Progress meetings (B4.3)F:..... V:..... T:..... P : 1.00	Item	
63	Technical meetings (B4.4)F:..... V:..... T:..... P : 1.00	Item	
	<b><u>Samples and shop drawings (B5)</u></b>		
64	Samples of materials (B5.1)F:..... V:..... T:..... P : 1.00	Item	
65	Workmanship samples (B5.2)F:..... V:..... T:..... P : 1.00	Item	
66	Shop drawings (B5.3)F:..... V:..... T:..... P : 1.00	Item	
	<b><u>Temporary works and plant (B6)</u></b>		
67	Deposits and fees (B6.1)F:..... V:..... T:..... P : 1.00	Item	
68	Enclosure of the works (B6.2)F:..... V:..... T:..... P : 1.00	Item	
	<b>Carried Forward</b>	<b>R</b>	
Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<b>Brought Forward</b>	R	
69	Advertising (B6.3)F:..... V:..... T:..... P : 1.00	Item	
70	Plant, equipment, sheds and offices (B6.4)F:..... V:..... T:..... P : 1.00	Item	
71	Main notice board (B6.5)F:..... V:..... T:..... P : 1.00	Item	
72	Subcontractors notice board (B6.6)F:..... V:..... T:..... P : 1.00	Item	
	<b><u>Temporary services (B7)</u></b>		
73	Location (B7.1)F:..... V:..... T:..... P : 1.00	Item	
74	Water (B7.2)  <b>Alternative A shall apply</b>  F:..... V:..... T:..... P : 1.00	Item	
75	Electricity (B7.3)  <b>Alternative A shall apply</b>  F:..... V:..... T:..... P : 1.00	Item	
76	Telecommunication equipment (B7.4)  <b>Alternative A shall apply</b>  F:..... V:..... T:..... P : 1.00	Item	
77	Ablution facilities (B7.5)  <b>Alternative A shall apply</b>  F:..... V:..... T:..... P : 1.00	Item	
	<b>Carried Forward</b>	R	
	Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b>		

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<b>Brought Forward</b>	R	
	<b><u>Prime cost amounts (B8)</u></b>		
78	Responsibility for prime cost amounts (B8.1)F:..... V:..... T:..... P : 1.00	Item	
	<b><u>Attendance on N/S Subcontractors (B9)</u></b>		
79	General attendance (B9.1)F:..... V:..... T:..... P : 1.00	Item	
80	Special attendance (B9.2)F:..... V:..... T:..... P : 1.00	Item	
81	Commissioning - Fuel, water and power (B9.3)F:..... V:..... T:..... P : 1.00	Item	
	<b><u>Financial aspects (B10)</u></b>		
	Statutory taxes, duties and levies (B10.1)F:..... V:..... T:..... P : 1.00	Item	
82	Payment of preliminaries (B10.2)  <div style="text-align: right;"><b>Alternative B shall apply</b></div> F:..... V:..... T:..... P : 1.00	Item	
83	Adjustment of preliminaries (B10.3)F:..... V:..... T:..... P : 1.00	Item	
84	Payment certificate cash flow (B10.4)F:..... V:..... T:..... P : 1.00	Item	
85	Contractor information supply (B10.5)F:..... V:..... T:..... P : 1.00	Item	
	<b>Carried Forward</b>	R	
	Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b>		

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

		<b>Brought Forward</b>	<b>R</b>
<b><u>General (B11)</u></b>			
86	Protection of works (B11.1)F:..... V:..... T:..... P : 1.00		Item
87	Protection/isolation of existing/sectionally occupied works (B11.2)F:..... V:..... T:..... P : 1.00		Item
88	Site security (B11.3)F:..... V:..... T:..... P : 1.00		Item
89	Notice before covering work (B11.4)F:..... V:..... T:..... P : 1.00		Item
90	Disturbance (B11.5)F:..... V:..... T:..... P : 1.00		Item
91	Works cleaning and clearing (B11.6)F:..... V:..... T:..... P : 1.00		Item
92	Vermin (B11.7)F:..... V:..... T:..... P : 1.00		Item
93	Overhand work (B11.8)F:..... V:..... T:..... P : 1.00		Item
<b><u>Schedule of variables (B12)</u></b>			
94	Pre-tender information (B12.1)F:..... V:..... T:..... P : 1.00		Item
	12.1.1 Provisional bills of quantities (B2.2) The quantities are provisional:	No	
	12.1.2 Availability of construction documentation (B2.3) Construction documentation is not complete	Yes	
		<b>Carried Forward</b>	<b>R</b>
Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<p align="right"><b>Brought Forward</b></p> <p>12.1.3 Interest of agents (B2.4) <i>None</i></p> <p>12.1.4 Defined works area (B3.1) <i>Refer to the attached Architectural Site Development Plan</i></p> <p>12.1.5 Geotechnical investigation (B3.2) <i>Attached herewith</i></p> <p>12.1.6 Existing premises occupied (B3.4) <i>No</i></p> <p>12.1.7 Services - known (B3.7) <i>Existing services and points of connection are known and will be pointed out on site by the Principal Agent.</i></p> <p>12.1.8 Protection of trees (B3.9) <i>N/A</i></p> <p>12.1.9 Inspection of adjoining properties (B3.11) <i>N/A</i></p> <p>12.1.10 Enclosure of the works (B6.2) <i>Site to be properly barricaded with controlled access.</i></p> <p>12.1.11 Offices (B6.4.3)  The contractor shall provide, maintain and remove on completion of the works an office for meetings purposes, amongst others, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, meeting table, chairs, drawing stool and drawing board. The office shall be kept clean and fit for use at all times</p> <p>12.1.12 Main notice board (B6.5)  <i>One main notice board is required.</i></p>	<p align="center">R</p>	
<p align="right"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>	<p align="center">R</p>	

**Proposed Refurbishment to  
National District Hospital  
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		<b>Brought Forward</b>	R	
	12.1.13 Subcontractors notice board (B6.6) A notice board is required	No		
	12.1.14 Water (B7.2) Alternative Selected: A			
	12.1.15 Electricity (B7.3) Alternative selected: A			
	12.1.16 Telecommunications (B7.4) Alternative selected: A			
	12.1.17 Ablution facilities (B7.5) Alternative selected: A			
	12.1.8 Special attendance (B9.2)  Subcontractor (1) details:  N/A			
	12.1.19 Protection of the works (B11.1)			
	12.1.20 Protection of existing/sectionally occupied works (B11.2) Protection is required	No		
	12.1.21 Disturbance (B11.5)  <i>Refer to clause B3.4</i>			
95	Post tender information (B12.2)F:..... V:..... T:.....  P : 1.00		Item	
	12.2.1 Payment of preliminaries Alternative selected: B			
	12.2.2 Adjustment of preliminaries Alternative selected:			
		<b>Carried Forward</b>	R	
	Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
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	<b>Brought Forward</b>	<b>R</b>	
	<b><u>SECTION C: SPECIFIC PRELIMINARIES</u></b>		
	<b><u>Section C: Specific Preliminaries:</u></b>		
96	<p>Proprietary branded products</p> <p>The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturer's instructions after consultation with the manufacturer's authorised representative.</p> <p>F:..... V:..... T:.....</p>	Item	
97	<p>Overtime</p> <p>Tenderers will be allowed to work two shifts in order to meet the completion date. Any costs associated with this requirement will be priced under this item</p> <p>Should overtime be required to be worked for any other reason whatsoever, the costs of such overtime are to be borne by the contractor unless the principal agent has specifically authorised in writing, prior to the execution thereof, that costs for such overtime are to be borne by the employer.</p> <p>F:..... V:..... T:.....</p>	Item	
98	<p>As built drawings</p> <p>The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the principal agent and the structural engineer for their records.</p> <p>F:..... V:..... T:.....</p>	Item	
99	<p>Site instructions</p> <p>Contract instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor.</p> <p>F:..... V:..... T:.....</p>	Item	
	<b>Carried Forward</b>	<b>R</b>	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>		

**Proposed Refurbishment to  
National District Hospital  
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	<b>Brought Forward</b>	<b>R</b>	
100	<p><b>Non Cession of Monies</b></p> <p>The Contractor shall NOT cede nor assign his rights or claims to any monies due or to become due under this contract.</p> <p>F:..... V:..... T:.....</p>	Item	
101	<p><b>Labour record</b></p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all subcontractors on the works each day.</p> <p>F:..... V:..... T:.....</p>	Item	
102	<p><b>Plant record</b></p> <p>At the end of each week the contractor shall provide the principal agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works.</p> <p>F:..... V:..... T:.....</p> <p>P : 1.00</p>	Item	
103	<p><b>Site Instructions</b></p> <p>Instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor</p> <p>F:..... V:..... T:.....</p> <p>P : 1.00</p>	Item	
	<b>Carried Forward</b>	<b>R</b>	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>		

**Proposed Refurbishment to  
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	<b>Brought Forward</b>	R	
104	<p><b>Warranties for materials and workmanship</b></p> <p>Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the entity supplying the materials and/or doing the work and shall deliver same to the principal agent on the final completion of the contract</p> <p>The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical completion and that any defects that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written notice to do so</p> <p>The warranty will not be enforced if the work is damaged by defects in the execution of the works, in which case the responsibility for replacement shall rest entirely with the contractor</p> <p>F:..... V:..... T:..... P : 1.00</p>	Item	
105	<p><b>Co-operation of the contractor for cost management</b></p> <p>It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget</p> <p>F:..... V:..... T:..... P : 1.00</p>	Item	
106	<p><b>Overloading</b></p> <p>The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works eg scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the contractor at his sole expense</p> <p>F:..... V:..... T:..... P : 1.00</p>	Item	
	<b>Carried Forward</b>	R	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>		

**Proposed Refurbishment to  
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		<b>Brought Forward</b>		
107	<p>Propping of floors below</p> <p>The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor</p> <p>F:.....V:..... T:..... P : 1.00</p>		Item	
108	<p>Testing of flat roof waterproofing for water tightness</p> <p>Flat roof waterproof areas shall be prepared with small sand dykes around them of a size and enclosing an area approved by the principal agent, flooded with water and kept "ponded" for at least forty (40) hours as a test to ensure the water tightness of the waterproofing and before any further construction work is carried out above the waterproofing</p> <p>F:.....V:..... T:..... P : 1.00</p>		Item	
109	<p>Advertising rights</p> <p>The employer may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. Position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting the obligations under this agreement</p> <p>F:.....V:..... T:..... P : 1.00</p>		Item	
		<b>Carried Forward</b>		
	<p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>		R	

**Proposed Refurbishment to  
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	<b>Brought Forward</b>	<b>R</b>	
110	<p><b>Confidentiality</b></p> <p>The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works</p> <p>No information regarding this project shall be published or disclosed without the prior written consent of the employer</p> <p>F:..... V:..... T:..... P : 1.00</p>	Item	
111	<p><b>Media releases</b></p> <p>All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the employer</p> <p>The contractor together with his subcontractors shall not, without the prior written consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media</p> <p>F:..... V:..... T:..... P : 1.00</p>	Item	
112	<p><b>Testing of windows for water tightness</b></p> <p>Each window shall be tested for water tightness with water sprayed on using adequate pressure. If in the opinion of the principal agent, the pressure proves to be inadequate, then the pressure shall be boosted by means of compressed air or other approved means</p> <p>F:..... V:..... T:..... P : 1.00</p>	Item	
	<b>Carried Forward</b>	<b>R</b>	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>		

**Proposed Refurbishment to  
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	<b>Brought Forward</b>	R	
113	<p><b>Drawings on Site</b></p> <p>The Contractor shall maintain on Site at all times, a complete set of the latest revisions of the working drawings issued by the Architect, the Engineer, and the Electrical Consultant</p> <p>F:.....V:..... T:..... P : 1.00</p>	Item	
114	<p><b>Scaffolding</b></p> <p>No scaffolding is measured as these Bills of quantities are based on the sixth edition of the Standard System for Measuring Building Work. However, the Tenderer is advised to study the drawings as scaffolding may be required in certain areas for use by himself and selected/nominated subcontractors and the contractor must establish or otherwise required by him or selected/nominated subcontractor including taking down and re- erecting as may be necessary and no claims whatsoever will be entertained</p> <p>F:.....V:..... T:..... P : 1.00</p>	Item	
115	<p><b>Day work</b></p> <p>Where in the opinion of the Principal Agent any extra work cannot properly be measured or valued, the Contractor will be allowed day work prices therefore calculated upon the costs defined hereunder together with the stated percentages. The total thus arrived at shall be the total amount recoverable by the Contractor for performing such work</p> <p>1. The costs to the Contractor or sub-contractor of materials, being the net cost (at current market prices) actually paid for such materials after the deduction of cash discounts or if materials are supplied from the Contractor's or sub-contractor's stock then the cost of such materials shall be based upon the current market price plus the cost of delivery to Site; to which net cost 7,5% thereof shall be added.</p> <p>2. The cost of labour to the Contractor or sub- contractor, being all items of direct cost of labour actually remunerated to the workmen concerned which shall include the cost of all allowances in terms of the industrial Conciliation Act (where applicable) or any other wage determination applying in the area where the day work is executed: to which labour cost 7,5% shall be added</p> <p>Hourly base rates for labour shall be the current market rates for labour based</p>		
	<b>Carried Forward</b>	R	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>		



**Proposed Refurbishment to  
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	<p align="right"><b>Brought Forward</b></p> <p>upon standard working hours and shall be applied in respect of the time spent by workers directly engaged on the particular day works including any operators mechanical plant and transport and erecting and dismantling other plant. If a claim is made that individual workmen have been paid wages and allowances in excess of the minimum legalised rates, then proof must be furnished that such workmen had been so paid prior to the commencement of the day work referred to</p> <p>3. The rate for mechanical plant shall be commercial hire rates current at the time of executing the day work and shall include fuel and insurance costs The above percentages shall cover head office charges; Site staff including Site supervision; third party and Contractors workmen compensation and unemployment insurance fund contributions; use, repair and sharpening of non-mechanical hand tools; use of erected scaffolding, staging, trestles and the like; use of tarpaulins, protective clothing, artificial lighting, safety and welfare facilities, storage and the like as may be available on the Site; and profit Supporting vouchers reflecting the time spent and materials used in each week shall be delivered for verification to the Principal Agent not later than twenty calendar days after the end of the week concerned. Should the Contractor fail to submit the vouchers within this time, the Principal Agent shall determine a fair price for the work</p> <p>F:..... V:..... T:..... P : 1.00</p> <p>116 Unauthorised Persons/Workmen on Premises</p> <p>The Contractor shall at all times strictly exclude all unauthorized persons from the site and shall set up notice boards to that effect</p> <p>F:..... V:..... T:..... P : 1.00</p> <p align="right"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>	<p align="center">R</p> <p align="center">Item</p> <p align="center">Item</p> <p align="center">R</p>	
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**Proposed Refurbishment to  
 National District Hospital  
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	<b>Brought Forward</b>	<b>R</b>	
117	<p><b>Guarantees and Maintenance Instructions/Manuals</b></p> <p>The Contractor shall obtain and hand over to the Architect on Practical Completion, all relevant guarantees, any operating and maintenance manuals, data or instructions required by the Architect or provided by the Manufacturers, Suppliers, or Sub-contractors</p> <p>The Contractor shall ensure that all warranties and guarantees received are fully ceded to the Employer on Final Completion, failing which the release of the Construction Guarantee will be withheld until this is satisfactorily completed</p> <p>F:.....V:..... T:.....                  P : 1.00</p>	Item	
118	<p><b>Removal and Making Good of Temporary Works, etc. on Completion</b></p> <p>The Contractor shall remove all temporary works, roads, services and the like used for this contract and shall make good to the entire satisfaction of the Architect any damages resulting there from</p> <p>F:.....V:..... T:.....                  P : 1.00</p>	Item	
119	<p><b>Indemnities</b></p> <p>Indemnities shall be sought by the Architect from all Contractors and Sub-contractors undertaking any design responsibility</p> <p>F:.....V:..... T:.....                  P : 1.00</p>	Item	
	<b>Carried Forward</b>	<b>R</b>	
Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
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<p>120</p>	<p align="right"><b>Brought Forward</b></p> <p>Shop Drawings</p> <p>The term 'Shop Drawings' shall mean drawings, layout drawings, illustrations, schedules, performance charts, brochures, operating manuals, other data which are prepared by the Contractor or Sub-contractor, Manufacturer, Supplier or Distributor and which illustrate some portion of the work</p> <p>The Contractor shall ensure that all shop drawings required for the work in terms of this Contract, all selected/nominated Sub-contracts and/or Architect's instructions, are prepared and submitted timeously in accordance with the following procedure</p> <p>(a) Three prints of shop drawings of all fabricated work, working or setting out drawings, shop details and schedules shall be submitted to the Architect for approval. Such work shall not be carried out until such approval has been given</p> <p>(b) Shop drawings shall be submitted to the Architect for approval at least two weeks prior to the date on which such approval is required in order to comply with the Contract Programme</p> <p>(c) All submissions shall be prepared in accordance with the Contract Drawings and specifications and/or any Architect's instructions and any deviation shall be specifically highlighted in writing, with a detailed explanation of the reason for such deviation, together with any cost and/or time implication</p> <p>Delays in approval of shop drawings due to non-compliance with drawings, specifications and/or Architect's instructions shall not constitute grounds for any claims for delays</p> <p>F:..... V:..... T:.....</p> <p>P : 1.00</p>	<p align="center">R</p>	<p align="center">Item</p>
	<p align="right"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>	<p align="center">R</p>	

**Proposed Refurbishment to  
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	<b>Brought Forward</b>	R	
121	<p>Location of Temporary Buildings and Temporary Services</p> <p>The Contractor shall provide all necessary temporary works, including temporary roads, tracks, crossings, hard standing, and services, etc., required for his own Sub-contractors use during the construction and maintenance period There is no guarantee given or implied that site conditions will be such that the Contractor will be able to erect such offices, stores and temporary accommodation within the site boundaries and it shall be the Contractors responsibility to adopt whatever measures he deems necessary in this regard and to obtain all necessary permission and pay all costs in connection therewith</p> <p>F:.....V:..... T:..... P : 1.00</p>	Item	
122	<p>Commodities to be New</p> <p>All commodities, goods, articles or materials throughout the building are to be new except where re-use of existing is specified and are to be handled, stored, used and/or fixed with care to ensure that they are in perfect condition when incorporated into the works and thereafter properly protected so as to ensure that they are likewise in perfect condition when handed over at completion of the works</p> <p>F:.....V:..... T:..... P : 1.00</p>	Item	
123	<p>Cost of Claims</p> <p>Costs incurred by the Contractor in the preparation of claims accepted by the Principal Agent shall be borne by the Contractor</p> <p>F:.....V:..... T:..... P : 1.00</p>	Item	
	<b>Carried Forward</b>	R	
	<p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>		

**Proposed Refurbishment to  
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	<p align="right"><b>Brought Forward</b></p> <p>124    <b>Overloading</b></p> <p>The Contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works. The Contractor shall submit details of his proposed loading, storage, plant, erection, etc., to the Architect for their approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the Engineer's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the Contractor at his sole expense</p> <p>F:.....V:..... T:..... P : 1.00</p> <p>125    <b>Environmental Management Plan</b></p> <p>The contractor shall take all necessary measures to comply with the Environmental Management Plan (EMP) and make adequate provision to accommodate the requirements of the EMP</p> <p>F:.....V:..... T:..... P : 1.00</p> <p align="right"><b>Carried Forward</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>	<p align="center">R</p> <p align="center">Item</p> <p align="center">Item</p> <p align="center">R</p>	
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**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<p>126</p>	<p align="right"><b>Brought Forward</b></p> <p><b><u>SUMMARY OF CATAGORIES</u></b></p> <p>Total Preliminaries</p> <p>Unless the parties agree otherwise prior to signature of this agreement, the total preliminaries amount shall for adjustment purposes be dealt with in accordance with option A of the contract data and split as follows:</p> <p>Time Related = %,          Fixed = % and          Value Related = %.</p> <p>In such instance, despite any provisions to the contrary, option A shall apply for adjustment of preliminaries.</p> <p>Category: Fixed R.....          Category: Value R.....          Category: Time R.....</p> <p align="right"><b>Carried to Final Summary</b></p> <p>Section No. 1 Bill No. 1 Preliminaries <b>TENDER BILLS OF QUANTITIES</b></p>	<p align="center">R</p>	<p align="center">Item</p>
	<p align="right"><b>Carried to Final Summary</b></p>	<p align="center">R</p>	

**Proposed Refurbishment to  
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Item No		Quantity	Rate	Amount
	<b><u>BILL NO 1</u></b>			
	<b><u>ALTERATIONS</u></b>			
	<b><u>TEMPORARY BARRIERS, SCREENS, ETC</u></b>			
	<u>Temporary barriers, screens, etc including removal</u>			
1	Drywall barrier 3150mm high formed of galvanised steel channel section rails and studs covered on one side with 12,7mm gypsum board panels and finished with two coats interior quality PVA emulsion paint on one side including corners, ends, etc 2 : 8      4 : 6      6 : 9      A : 0	m	23	
	<b><u>REMOVAL OF EXISTING WORK</u></b>			
	<u>Taking up and removing vinyl floor coverings, carpeting, etc</u>			
2	Vinyl sheet floor covering with welded joints including preparing screed for new vinyl floor covering 2 : 772      4 : 723      6 : 642      A : 0	m2	2 137	
3	Waterproofing membrane 2 : 0      4 : 137      6 : 165      A : 0	m2	301	
	<u>Taking out and removing ironmongery</u>			
4	Aluminium curtain rails fixed to ceiling 2 : 224      4 : 180      6 : 198      A : 0	m	602	
	<u>Re fixing of existing doors, windows, etc (removal and setting aside elsewhere)</u>			
5	Setting up steel window 300 x 1900mm high in brickwork and replacing any broken glass panes with 6mm clear float safety glass 2 : 2      4 : 0      6 : 0      A : 0	No	2	
6	Setting up steel window 500 x 1900mm high in brickwork and replacing any broken glass panes with 6mm clear float safety glass 2 : 0      4 : 3      6 : 0      A : 0	No	3	
	<b>Carried Forward</b>			R
	Section No. 2 Bill No. 1 Alterations <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
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<b>Brought Forward</b>				R
7	Setting up steel window 700 x 1900mm high in brickwork and replacing any broken glass panes with 6mm clear float safety glass 2:0      4:11      6:0      A:0	No	11	
8	Setting up steel window 1100 x 1900mm high in brickwork and replacing any broken glass panes with 6mm clear float safety glass 2:12      4:12      6:0      A:0	No	24	
9	Setting up steel window 1300 x 1900mm high in brickwork and replacing any broken glass panes with 6mm clear float safety glass 2:7      4:1      6:0      A:0	No	8	
10	Setting up steel window 1400 x 1900mm high in brickwork and replacing any broken glass panes with 6mm clear float safety glass 2:2      4:12      6:0      A:0	No	14	
11	Setting up steel window 2600 x 1900mm high in brickwork and replacing any broken glass panes with 6mm clear float safety glass 2:6      4:0      6:0      A:0	No	6	
<u>Taking out and removing doors, windows, etc from brickwork</u>				
12	Timber single door 670 x 1920mm high 2:1      4:0      6:0      A:0	No	1	
13	Timber single door 750 x 1750mm high 2:2      4:0      6:0      A:0	No	2	
14	Timber single door 750 x 1840mm high 2:2      4:0      6:0      A:0	No	2	
15	Timber single door 762 x 1750mm high 2:0      4:0      6:2      A:0	No	2	
16	Timber single door 762 x 1882mm high 2:0      4:2      6:0      A:0	No	2	
<b>Carried Forward</b>				R
Section No. 2 Bill No. 1 Alterations <b>TENDER BILLS OF QUANTITIES</b>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Brought Forward					R
17	Timber single door 775 x 1830mm high 2:0      4:0      6:3      A:0	No		3	
18	Timber single door 775 x 1980mm high 2:0      4:0      6:4      A:0	No		4	
19	Timber single door 775 x 2000mm high 2:0      4:5      6:0      A:0	No		5	
20	Timber single door 780 x 1960mm high 2:3      4:0      6:0      A:0	No		3	
21	Timber single door 780 x 1970mm high 2:7      4:0      6:0      A:0	No		7	
22	Timber single door 800 x 1880mm high 2:1      4:2      6:0      A:0	No		3	
23	Timber single door 800 x 2020mm high 2:3      4:0      6:0      A:0	No		3	
24	Timber single door 813 x 2032mm high 2:6      4:2      6:1      A:0	No		9	
25	Timber single door 930 x 2125mm high 2:1      4:0      6:0      A:0	No		1	
26	Timber single door 940 x 2135mm high 2:5      4:0      6:0      A:0	No		5	
27	Timber single door 940 x 2140mm high 2:0      4:12      6:10      A:0	No		22	
28	Timber single door 950 x 2120mm high 2:0      4:0      6:2      A:0	No		2	
29	Timber single door 960 x 2000mm high 2:1      4:0      6:0      A:0	No		1	
30	Timber single door 1050 x 2120mm high 2:0      4:1      6:0      A:0	No		1	
<b>Carried Forward</b>					R
Section No. 2 Bill No. 1 Alterations <b>TENDER BILLS OF QUANTITIES</b>					

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Brought Forward				R
31	Timber single door 1060 x 2020mm high 2:7      4:0      6:0      A:0	No	7	
32	Timber single door 1060 x 1980mm high 2:1      4:0      6:0      A:0	No	1	
33	Timber double door 1170 x 2195mm high 2:0      4:0      6:1      A:0	No	1	
34	Timber double door 1175 x 2140mm high 2:0      4:2      6:0      A:0	No	2	
35	Timber double door 1200 x 2075mm high 2:2      4:2      6:1      A:0	No	5	
36	Timber double door 1250 x 2120mm high 2:5      4:0      6:0      A:0	No	5	
37	Timber double door 1260 x 2130mm high 2:0      4:0      6:4      A:0	No	4	
38	Timber double door 1300 x 2180mm high 2:0      4:6      6:4      A:0	No	10	
39	Timber double door 1480 x 2160mm high 2:0      4:0      6:1      A:0	No	1	
40	Timber double door 1490 x 2160mm high 2:0      4:1      6:0      A:0	No	1	
41	Timber double door 1700 x 2100mm high 2:4      4:0      6:0      A:0	No	4	
42	Timber double door 1800 x 2160mm high 2:0      4:1      6:0      A:0	No	1	
43	Timber double door 2020 x 2020mm high 2:1      4:0      6:0      A:0	No	1	
44	Timber double door 2140 x 2020mm high 2:0      4:1      6:1      A:0	No	2	
Carried Forward				R
Section No. 2 Bill No. 1 Alterations <b>TENDER BILLS OF QUANTITIES</b>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Brought Forward					R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>					
45	Acoustic tile suspended ceilings including suspension grid, hangers, etc	m2	2 137		
	2 : 772      4 : 723      6 : 642      A : 0				
<u>Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes</u>					
46	Clay tiles to floors	m2	305		
	2 : 0      4 : 135      6 : 170      A : 0				
47	Ceramic tiles to walls	m2	846		
	2 : 254      4 : 280      6 : 313      A : 0				
48	Tile skirting 150mm high	m	273		
	2 : 82      4 : 90      6 : 101      A : 0				
<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u>					
49	55mm Screed from floors	m2	2 023		
	2 : 749      4 : 649      6 : 624      A : 0				
<u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>					
50	Galvanised steel piping including fittings and brackets	m	50		
	2 : 26      4 : 18      6 : 6      A : 0				
51	Cast iron piping including fittings and brackets	m	25		
	2 : 13      4 : 9      6 : 3      A : 0				
52	Copper piping including fittings and brackets	m	75		
	2 : 39      4 : 27      6 : 9      A : 0				
Carried Forward					R
Section No. 2 Bill No. 1 Alterations <b>TENDER BILLS OF QUANTITIES</b>					

**Proposed Refurbishment to  
 National District Hospital  
 Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>					R
53	Vitreous china wash hand basin 2 : 18      4 : 11      6 : 0      A : 0	No	29		
54	Vitreous china WC pan with cistern 2 : 8      4 : 7      6 : 6      A : 0	No	21		
<u>Taking out and removing glass and mirrors</u>					
55	Mirror 300 x 400mm high from wall 2 : 18      4 : 11      6 : 0      A : 0	No	29		
<b><u>REPAIR OF EXISTING WORKS</u></b>					
<u>Repairing of steel door frames</u>					
56	Steel door frames for single door size 670 x 1920mm high 2 : 1      4 : 0      6 : 0      A : 0	No	1		
57	Steel door frames for single door size 750 x 1750mm high 2 : 2      4 : 0      6 : 0      A : 0	No	2		
58	Steel door frames for single door size 750 x 1840mm high 2 : 2      4 : 0      6 : 0      A : 0	No	2		
59	Steel door frames for single door size 750 x 1970mm high 2 : 7      4 : 0      6 : 0      A : 0	No	7		
60	Steel door frames for single door size 762 x 1750mm high 2 : 0      4 : 0      6 : 2      A : 0	No	2		
61	Steel door frames for single door size 762 x 1882mm high 2 : 0      4 : 2      6 : 0      A : 0	No	2		
62	Steel door frames for double door size 775 x 1830mm high 2 : 0      4 : 0      6 : 3      A : 0	No	3		
<b>Carried Forward</b>					R
Section No. 2 Bill No. 1 Alterations <b>TENDER BILLS OF QUANTITIES</b>					

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>					R
63	Steel door frames for double door size 775 x 1950mm high	No		1	
	2:0      4:0      6:1      A:0				
64	Steel door frames for double door size 775 x 1980mm high	No		3	
	2:0      4:0      6:3      A:0				
65	Steel door frames for single door size 775 x 2000mm high	No		5	
	2:0      4:5      6:0      A:0				
66	Steel door frames for single door size 780 x 1960mm high	No		3	
	2:3      4:0      6:0      A:0				
67	Steel door frames for Single door size 800 x 1880mm high	No		3	
	2:1      4:2      6:0      A:0				
68	Steel door frames for single door size 800 x 2020mm high	No		3	
	2:3      4:0      6:0      A:0				
69	Steel door frames for single door size 813 x 2032mm high	No		9	
	2:6      4:2      6:1      A:0				
70	Steel door frames for single door size 930 x 2125mm high	No		1	
	2:1      4:0      6:0      A:0				
71	Steel door frames for single door size 940 x 2135mm high	No		4	
	2:4      4:0      6:0      A:0				
72	Steel door frames for single door size 940 x 2140mm high	No		22	
	2:0      4:12      6:10      A:0				
73	Steel door frames for single door size 950 x 2120mm high	No		2	
	2:0      4:0      6:2      A:0				
<b>Carried Forward</b>					R
Section No. 2 Bill No. 1 Alterations <b>TENDER BILLS OF QUANTITIES</b>					

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>					R
74	Steel door frames for single door size 960 x 2000mm high	No	2		
	2:2      4:0      6:0      A:0				
75	Steel door frames for double door size 1050 x 2120mm high	No	1		
	2:0      4:1      6:0      A:0				
76	Steel door frames for single door size 1060 x 2020mm high	No	7		
	2:7      4:0      6:0      A:0				
77	Steel door frames for double door size 1240 x 2100mm high	No	5		
	2:5      4:0      6:0      A:0				
78	Steel door frames for double door size 1260 x 2130mm high	No	4		
	2:0      4:0      6:4      A:0				
79	Steel door frames for single door size 1170 x 2195mm high	No	1		
	2:0      4:0      6:1      A:0				
80	Steel door frames for double door size 1200 x 2075mm high	No	5		
	2:2      4:2      6:1      A:0				
81	Steel door frames for double door size 1175 x 2140mm high	No	2		
	2:0      4:2      6:0      A:0				
82	Steel door frames for double door size 1490 x 2160mm high	No	2		
	2:0      4:1      6:1      A:0				
83	Steel door frames for double door size 1800 x 2160mm high	No	1		
	2:0      4:1      6:0      A:0				
84	Steel door frames for double door size 2020 x 2020mm high	No	2		
	2:2      4:0      6:0      A:0				
<b>Carried Forward</b>					R
Section No. 2 Bill No. 1 Alterations <b>TENDER BILLS OF QUANTITIES</b>					

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Brought Forward					R
85	Steel door frames for double door size 2140 x 2020mm high	No	2		
	2 : 0      4 : 1      6 : 1      A : 0				
86	Steel door frames for double door size 300 x 2180mm high	No	10		
	2 : 0      4 : 6      6 : 4      A : 0				
<b><u>MAKING GOOD OF FINISHES ETC</u></b>					
<b><u>Inspection and Fixing existing roof sheeting</u></b>					
87	Inspection of existing roof sheeting and sealing holes where evident	m2	873		
	2 : 0      4 : 0      6 : 873      A : 0				
<b><u>Making good internal cement plaster</u></b>					
88	Walls in patches	m2	3 554		
	2 : 1460      4 : 1192      6 : 903      A : 0				
89	Concrete ceilings in patches	m2	2 197		
	2 : 789      4 : 742      6 : 666      A : 0				
<b><u>Making good screed</u></b>					
90	Floors in patches	m2	2 023		
	2 : 749      4 : 649      6 : 624      A : 0				
<b>Carried to Final Summary</b>					R
Section No. 2					
Bill No. 1					
Alterations					
<b>TENDER BILLS OF QUANTITIES</b>					

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 1</u></b></p> <p><b><u>WATERPROOFING</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs</p> <p><b><u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u></b></p> <p><u>One layer Derbigum CG3 and one layer Derbigum SP4mm or equal and approved waterproofing membrane Staggered laid, with 100mm side laps and 300mm end laps, sealed to primed surface to falls and cross falls by 'torch-fusion':</u></p>			
1	On sloping roofs 2 : 0      4 : 137      6 : 165      A : 0	m2	301	
2	Additional membrane 150mm girth at internal and external angles 2 : 0      4 : 95      6 : 116      A : 0	m	211	
	<u>Hydroflex and Crackseal or equal and approved membrane</u>			
3	On walls 2 : 0      4 : 95      6 : 116      A : 0	m2	211	
4	Flashing strip 300mm girth 2 : 0      4 : 95      6 : 116      A : 0	m	211	
5	Additional membrane 300mm girth at internal and external angles 2 : 0      4 : 95      6 : 116      A : 0	m	211	
	<b>Carried Forward</b>			R
	<p>Section No. 3 Bill No. 1 Waterproofing <b>TENDER BILLS OF QUANTITIES</b></p>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Brought Forward		R
6	Additional membrane 300mm girth at turn-ups including flashing strip 300mm girth and sealing top edge into groove with mastic 2 : 0      4 : 95      6 : 116      A : 0	m 211
<b><u>SUNDRIES</u></b> <u>"Secomastic" or equal and approved non setting mastic sealant applied cold with a hand pressure caulking gun and leave perfectly watertight:</u>		
7	In joints between steel frames and walls 2 : 526      4 : 361      6 : 336      A : 0  <u>Silicone sealing, etc.:</u>	m 1 223
8	Joints not exceeding 10mm between wall tiles and sanitary fittings.  2 : 26      4 : 18      6 : 6      A : 0	m 50
<b>Carried Forward to Summary of Section No. 3</b>		R
Section No. 3 Bill No. 1 Waterproofing <b>TENDER BILLS OF QUANTITIES</b>		

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 2</u></b></p> <p><b><u>CARPENTRY AND JOINERY</u></b></p> <p><b><u>PREAMBLES</u></b></p> <p>The Model Preambles for Trades (2008 edition), as published by the Association of South African Quantity Surveyors, shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items, fully described in the said Model Preambles, will be entertained.</p> <p>The following "Supplementary Preambles" are incorporated in this bill to satisfy the requirements of the project and shall take precedence over the provisions of the said Model Preambles.</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Fixing:</u></b></p> <p>items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete.</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given separately elsewhere.</p> <p><b><u>Decorative laminate finish:</u></b></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish.</p> <p><b><u>Joinery:</u></b></p> <p>Descriptions of frames shall be deemed to include frames, transoms, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts.</p>			
	<p align="right"><b>Carried Forward</b></p> <p>Section No. 3 Bill No. 2 Carpentry &amp; Joinery <b>TENDER BILLS OF QUANTITIES</b></p>		R	

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>				R	
<p>All doors are to be pre-treated with a sealer as per Swartland specification.</p> <p>Door types indicated refer to the full door specification and detail on the Door Schedule on Architect Drawing attached herewith.</p> <p><b><u>DOORS, ETC</u></b></p> <p><b><u>SOLID CORE FLUSH DOORS</u></b></p> <p><u>Solid flush panel doors with commercial veneer on both sides and hardwood edge strips to vertical edges suitable for painting hung to steel frames (Steel frames measured elsewhere):</u></p>					
1	44mm Single door size 670 x 1920mm high ( <i>Ground Floor Type 14 - Refer to Door Schedule NDH.wd.GF401-RevA</i> )	No	1		
	2:1      4:0      6:0      A:0				
2	44mm Single door size 750 x 1750mm high ( <i>Ground Floor Type 20 - Refer to Door Schedule NDH.wd.GF401-RevA</i> )	No	2		
	2:2      4:0      6:0      A:0				
3	44mm Single door size 750 x 1840mm high ( <i>Ground Floor Type 19 - Refer to Door Schedule NDH.wd.GF401-RevA</i> )	No	2		
	2:2      4:0      6:0      A:0				
4	44mm Single door size 762 x 1750mm high ( <i>Second Floor Type 15 - Refer to Door Schedule NDH.wd.SF401-RevA</i> )	No	2		
	2:0      4:0      6:2      A:0				
5	44mm Single door size 762 x 1882mm high ( <i>First Floor Type 25 - Refer to Door Schedule NDH.wd.FF401-RevA</i> )	No	2		
	2:0      4:2      6:0      A:0				
<b>Carried Forward</b>				R	
<p>Section No. 3 Bill No. 2 Carpentry &amp; Joinery <b>TENDER BILLS OF QUANTITIES</b></p>					

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Brought Forward				R
6	44mm Single door size 775 x 1980mm high ( <i>Second Floor Type 13 - Refer to Door Schedule NDH.wd.SF401-RevA</i> ) 2:0      4:0      6:4      A:0	No	4	
7	44mm Single door size 775 x 1830mm high ( <i>Second Floor Type 16 - Refer to Door Schedule NDH.wd.SF401-RevA</i> ) 2:0      4:0      6:3      A:0	No	3	
8	44mm Single door size 775 x 2000mm high ( <i>First Floor Type 20 &amp; Type 18 - Refer to Door Schedule NDH.wd.FF401-RevA</i> ) 2:0      4:5      6:0      A:0	No	5	
9	44mm Single door size 780 x 1960mm high ( <i>Ground Floor Type 23 - Refer to Door Schedule NDH.wd.GF401-RevA</i> ) 2:3      4:0      6:0      A:0	No	3	
10	44mm Single door size 780 x 1970mm high ( <i>Ground Floor Type 21 - Refer to Door Schedule NDH.wd.GF401-RevA</i> ) 2:7      4:0      6:0      A:0	No	7	
11	44mm Single door size 800 x 1880mm high ( <i>First Floor Type 24 - Refer to Door Schedule NDH.wd.FF401-RevA</i> ) 2:1      4:2      6:0      A:0	No	3	
12	44mm Single door size 800 x 2020mm high ( <i>Ground Floor Type 10 - Refer to Door Schedule NDH.wd.GF401-RevA</i> ) 2:1      4:0      6:0      A:0	No	1	
13	44mm Single door size 800 x 2020mm high including viewing panel size 500 x 500mm high glazed with 6,38mm clear safety glass ( <i>Ground Floor Type 09 - Refer to Door Schedule NDH.wd.GF401-RevA</i> ) 2:2      4:0      6:0      A:0	No	2	
<b>Carried Forward</b>				R
Section No. 3 Bill No. 2 Carpentry & Joinery <b>TENDER BILLS OF QUANTITIES</b>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>				<b>R</b>
14	44mm Single door size 813 x 2032mm high ( <i>Ground Floor Type 16 - Refer to Door Schedule NDH.wd.GF401-RevA</i> ) & ( <i>First Floor Type 17 - Refer to Door Schedule NDH.wd.FF401-RevA</i> ) & ( <i>Second Floor Type 17 - Refer to Door Schedule NDH.wd.SF401-RevA</i> ) 2:5      4:2      6:1      A:0	No	8	
15	44mm Single door size 813 x 2032mm high including viewing panel size 500 x 500mm high glazed with 6,38mm clear safety glass including side light size 637 x 2032mm high glazed with 6,38mm clear safety glass ( <i>Ground Floor Type 05 - Refer to Door Schedule NDH.wd.GF401-RevA</i> ) 2:1      4:0      6:0      A:0	No	1	
16	44mm Single door size 930 x 2125mm high ( <i>Ground Floor Type 12 - Refer to Door Schedule NDH.wd.GF401-RevA</i> ) 2:1      4:0      6:0      A:0	No	1	
17	44mm Single door size 940 x 2125mm high ( <i>Ground Floor Type 13 - Refer to Door Schedule NDH.wd.GF401-RevA</i> ) 2:4      4:0      6:0      A:0	No	4	
18	44mm Single door size 950 x 2120mm high ( <i>Second Floor Type 11 - Refer to Door Schedule NDH.wd.SF401-RevA</i> ) 2:0      4:0      6:2      A:0	No	2	
19	44mm Single door size 940 x 2140mm high ( <i>First Floor Type 13 - Refer to Door Schedule NDH.wd.FF401-RevA</i> ) & ( <i>Second Floor Type 09 - Refer to Door Schedule NDH.wd.SF401-RevA</i> ) 2:0      4:5      6:5      A:0	No	10	
<b>Carried Forward</b>				<b>R</b>
Section No. 3 Bill No. 2 Carpentry & Joinery <b>TENDER BILLS OF QUANTITIES</b>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>		R
20	44mm Single door size 940 x 2140mm high including viewing panel size 500 x 500mm high glazed with 6,38mm clear safety glass ( <i>First Floor Type 13 - Refer to Door Schedule NDH.wd.FF401-RevA</i> ) & ( <i>Second Floor Type 08 - Refer to Door Schedule NDH.wd.SF401-RevA</i> ) 2:0      4:7      6:5      A:0	No 12
21	44mm Single door size 960 x 2000mm high including viewing panel size 500 x 500mm high glazed with 6,38mm clear safety glass ( <i>Ground Floor Type 07 - Refer to Door Schedule NDH.wd.GF401-RevA</i> ) 2:1      4:0      6:0      A:0	No 1
22	44mm Single door size 1050 x 2120mm high ( <i>First Floor Type 21 - Refer to Door Schedule NDH.wd.FF401-RevA</i> ) 2:0      4:1      6:0      A:0	No 1
23	44mm Single door size 1060 x 2020mm high including viewing panel size 500 x 500mm high glazed with 6,38mm clear safety glass ( <i>Ground Floor Type 06 - Refer to Door Schedule NDH.wd.GF401-RevA</i> ) 2:7      4:0      6:0      A:0	No 7
24	44mm Single door size 1060 x 1980mm high including viewing panel size 500 x 500mm high glazed with 6,38mm clear safety glass ( <i>Ground Floor Type 08 - Refer to Door Schedule NDH.wd.GF401-RevB</i> ) 2:1      4:0      6:0      A:0	No 1
25	44mm Single door size 1170 x 2195mm high ( <i>Second Floor Type 07 - Refer to Door Schedule NDH.wd.SF401-RevA</i> ) 2:0      4:0      6:1      A:0	No 1
26	44mm Double door size 1175 x 2140mm high glazed with 6,38mm clear safety glass ( <i>First Floor Type 09 - Refer to Door Schedule NDH.wd.FF401-RevA</i> ) 2:0      4:2      6:0      A:0	No 2
<b>Carried Forward</b>		R
Section No. 3 Bill No. 2 Carpentry & Joinery <b>TENDER BILLS OF QUANTITIES</b>		

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Brought Forward			R
27	44mm Double door size 1200 x 2075mm (First Floor Type 27 - Refer to Door Schedule NDH.wd.FF401-RevA) & (Second Floor Type 06 - Refer to Door Schedule NDH.wd.SF401-RevA) 2:2      4:2      6:1      A:0	No	5
28	44mm Double door size 1250 x 2120mm high glazed with 6,38mm clear safety glass (Ground Floor Type 04 & Type 25 - Refer to Door Schedule NDH.wd.GF401-RevB) 2:5      4:0      6:0      A:0	No	5
29	44mm Double door size 1240 x 2100mm high glazed with 6,38mm clear safety glass (Ground Floor Type 03 - Refer to Door Schedule NDH.wd.GF401-RevB) 2:1      4:0      6:0      A:0	No	1
30	44mm Double door size 1260 x 2130mm high glazed with 6,38mm clear safety glass (First Floor Type 02 - Refer to Door Schedule NDH.wd.SF401-RevA) 2:0      4:0      6:4      A:0	No	4
31	44mm Double door size 1300 x 2180mm high glazed with 6,38mm clear safety glass (First Floor Type 08 - Refer to Door Schedule NDH.wd.FF401-RevA) & (Second Floor Type 03 - Refer to Door Schedule NDH.wd.SF401-RevB) 2:0      4:6      6:4      A:0	No	10
32	44mm Double door size 1480 x 2160mm high including viewing panel size 500 x 500mm high glazed with 6,38mm clear safety glass (Second Floor Type 04 - Refer to Door Schedule NDH.wd.SF401-RevA) 2:0      4:0      6:1      A:0	No	1
33	44mm Double door size 1490 x 2160mm high including viewing panel size 500 x 500mm high glazed with 6,38mm clear safety glass (First Floor Type 04 - Refer to Door Schedule NDH.wd.FF401-RevA) 2:0      4:1      6:0      A:0	No	1
<b>Carried Forward</b>			R
Section No. 3 Bill No. 2 Carpentry & Joinery <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Brought Forward				R
34	44mm Double bi-parting sliding door size 1700 x 2100mm high including viewing panel size 500 x 500mm high in each leaf, glazed with 6,38mm clear safety glass (Ground Floor Type 01 - Refer to Door Schedule NDH.wd.GF401-RevA).	No	4	
	2 : 4      4 : 0      6 : 0      A : 0			
35	44mm Double door size 1800 x 2160mm (First Floor Type 03 - Refer to Door Schedule NDH.wd.FF401-RevA)	No	1	
	2 : 0      4 : 1      6 : 0      A : 0			
36	44mm Double door size 2020 x 2020mm high including viewing panel size 300 x 500mm high in one leaf & 800 x 500mm high in the other leaf, glazed with 6,38mm clear safety glass (Ground Floor Type 02 - Refer to Door Schedule NDH.wd.GF401-RevA)	No	2	
	2 : 2      4 : 0      6 : 0      A : 0			
37	44mm Double door size 2124 x 2020mm high including viewing panel size 300 x 500mm high in one leaf & 800 x 500mm high in the other leaf, glazed with 6,38mm clear safety glass (First Floor Type 02 - Refer to Door Schedule NDH.wd.FF401-RevA)	No	1	
	2 : 0      4 : 1      6 : 0      A : 0			
38	44mm Double door size 2140 x 2020mm high including viewing panel size 300 x 500mm high in one leaf & 800 x 500mm high in the other leaf, glazed with 6,38mm clear safety glass (Second Floor Type 01 - Refer to Door Schedule NDH.wd.SF401-RevA)	No	1	
	2 : 0      4 : 0      6 : 1      A : 0			
39	Extra for 500 x 300mm opening for metal louvre unit (elsewhere measured)	No	24	
	2 : 13      4 : 9      6 : 2      A : 0			
<b>Carried Forward to Summary of Section No. 3</b>				R
Section No. 3				
Bill No. 2				
Carpentry & Joinery				
<b>TENDER BILLS OF QUANTITIES</b>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Item No	Unit	Quantity	Rate	Amount
<p><b><u>BILL NO. 3</u></b></p> <p><b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Descriptions</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been given elsewhere</p> <p><u>Flush plastered suspended ceilings, bulkheads, etc</u></p> <p>Descriptions of ceilings, bulkheads, etc are deemed to include for the total design, fabrication, erection, etc of suspension systems, grids, sub-grids, hangers, framing, bracing, etc and for gypsum plasterboard as described fixed with Rhino Drywall screws to tee section Screw-Up suspension system or Drywall steel tracks, studs, rails, braces, etc.</p> <p>All joints in boards are to be covered with 50mm wide self adhesive Fibatape and whole finished with Rhinolite gypsum plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer, including galvanised pressed metal beads, arrises to the plaster, etc</p>				
	<b>Carried Forward</b>		R	
<p>Section No. 3 Bill No. 3 Ceilings, Partitions and Access Flooring <b>TENDER BILLS OF QUANTITIES</b></p>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<b>Brought Forward</b>			R	
	<p><u>General</u></p> <p>Description of ceilings, bulkheads, etc generally are deemed to include for all necessary bridging, hangers, bracing, etc over and around services, pipes, air-conditioning ducting, etc occurring within the ceiling and/or bulkhead voids and no claims for extras will be entertained for non co-ordination with other sub-contractors involved in this regard</p> <p>All work to be executed in strict accordance with the manufacturer's recommendations and carried out by specialist ceiling and bulkhead installers</p> <p><b><u>CEILING ETC</u></b></p> <p><b><u>NAILED UP CEILINGS</u></b></p> <p><u>12,5mm Rhino gypsum plasterboard with taped and skimmed joints</u></p> <p>1 Ceilings suspended not exceeding 1m below roof trusses</p> <p align="center">2 : 0      4 : 0      6 : 166      A : 0</p> <p><u>Rhino gypsum plasterboard cornices</u></p> <p>2 75mm Coved cornices</p> <p align="center">2 : 0      4 : 0      6 : 117      A : 0</p> <p><b><u>SUSPENDED CEILINGS</u></b></p> <p><u>Proprietary suspended ceilings</u></p> <p>Note:</p> <p>Electrical light fittings, diffusers, panels, etc generally are "lay in" units of the same dimensions as the suspension grid described and allowance must be made accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)</p>	m2	166		
		m	117		
	<b>Carried Forward</b>			R	
	<p>Section No. 3 Bill No. 3 Ceilings, Partitions and Access Flooring <b>TENDER BILLS OF QUANTITIES</b></p>				

**Proposed Refurbishment to  
 National District Hospital  
 Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>						R
<p><u>600 x 1200 x 12.5mm Thick Vinyl Faced Gypsum Ceiling Panels, face-covered with white embossed vinyl, size 1200 x 600mm, laid on fire rated OWAconstruct System S3 White exposed demountable Butt-cut T38V suspension system, including galvanised main tees, cross tees, etc., all suspended with galvanised hangers at centres not exceeding 1200mm</u></p>						
3	Ceilings suspended not exceeding 1m below concrete	m2	1 365			
	2 : 761      4 : 604      6 : 0      A : 0					
4	Ceilings suspended not exceeding 1m below timber roof trusses	m2	568			
	2 : 0      4 : 0      6 : 568      A : 0					
5	Sloping ceilings suspended not exceeding 2m below timber/steel purlins at 200mm centres.	m2	57			
	2 : 0      4 : 0      6 : 57      A : 0					
6	Sloping ceilings suspended not exceeding 2m below concrete purlins at 200mm centres.	m2	60			
	2 : 3      4 : 57      6 : 0      A : 0					
7	Attic stock ( <i>Supplied, delivered and stored on site and handed over to the client on completion of the project</i> )	m2	66			
	2 : 38      4 : 28      6 : 0      A : 0					
<u>W-trim white shadow line cornices</u>						
8	Cornices plugged and screwed at centres not exceeding 200mm	m	1 690			
	2 : 736      4 : 488      6 : 466      A : 0					
<b><u>PARTITIONS ETC</u></b>						
<b>Carried Forward</b>						R
<p>Section No. 3                  Bill No. 3                  Ceilings, Partitions and Access Flooring  <b>TENDER BILLS OF QUANTITIES</b></p>						

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

				<b>Brought Forward</b>			<b>R</b>
				<p><u>Rhino-Drywall partition systems</u></p> <p>Rhino-Drywall partitioning shall comprise steel studding formed of top and bottom tracks with vertical studs at maximum 200mm centres, friction fitted or pop-riveted to the top and bottom tracks with similar additional vertical studs as necessary at abutments, ends, etc and covered as described with wallboard screwed to studding with Drywall screws at maximum 220mm centres</p> <p>Boards are to be butt jointed and finished with Rhino tape and Readymix D jointing compound all in accordance with the manufacturer's instructions</p> <p>Intersections and abutments are measured separately and descriptions shall be deemed to include any additional studs, corner beads, jointing compound, tape, etc</p> <p><u>4165mm High GypWall Classic Ultra steel Stud Drywall Gyproc with Saint-Gobain Stud and track system, 63.5mm x 35mm Donn Drywall ultra steel studs at 600mm centres friction fitted into head track and floor track finished with skimmed wall surface</u></p>			
9	Partitioning 3185mm high with bottom and top tracks plugged	m	14				
	2 : 12      4 : 0      6 : 2      A : 0						
10	Extra over partition 3185mm high for vertical abutment	No	8				
	2 : 6      4 : 0      6 : 2      A : 0						
11	Extra over partition 3185mm high for corner	No	2				
	2 : 1      4 : 0      6 : 1      A : 0						
12	Extra over partition 3185mm high for T-intersection	No	1				
	2 : 1      4 : 0      6 : 0      A : 0						
13	Extra over partition 3185mm high for fair end	No	1				
	2 : 1      4 : 0      6 : 0      A : 0						
				<b>Carried Forward</b>			<b>R</b>
<p>Section No. 3 Bill No. 3 Ceilings, Partitions and Access Flooring <b>TENDER BILLS OF QUANTITIES</b></p>							

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

		Brought Forward			R
		<u>Insulation</u>			
14	ISOVER 63mm cavitybatt mineral wool insulation 2:37      4:0      6:7      A:0	m2	45		
	<b><u>CUBICLE SOLUTIONS OR EQUAL AND APPROVED TOILET PARTITIONS</u></b>				
	<u>2mm "Cubicle Solutions" Compact High-Pressure Laminate in Cube-Exclusive Range 1 (Code: CEx1/304), modular, frameless system with overhead brace and hanging clamp (Code: CSSH01/316/13), floor anchored with adjustable supporting feet (Code: CSSF01/316/13) fixed to front mid and end panels, and bracketed to walls and partitions using stainless steel brackets (Code: CSSBr01/304). All fixings and ironmongery in 304 and 316 grade stainless steel, ironmongery to include hat and coat hook (Code: CSSH&amp;C02/304) with buffer stopper, indicator bolt (Code: CSTIN01/316/13) and rise and fall butt auto open hinge (Code: CSTR&amp;F01/open/316/13) Partition colour from stock-held colour range installed as per manufacturers specification</u>				
15	Partition 1500 x 3185mm high 2:0      4:0      6:3      A:0	No	3		
16	Partition single doors size 750 x 1780mm high 2:0      4:0      6:2      A:0	No	2		
<b>Carried Forward to Summary of Section No. 3</b>					R
Section No. 3 Bill No. 3 Ceilings, Partitions and Access Flooring <b>TENDER BILLS OF QUANTITIES</b>					

**Proposed Refurbishment to  
 National District Hospital  
 Wards 2; 4; 6 & Boiler Plant Room**

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 4</u></b>			
	<b><u>FLOOR COVERINGS, PLASTIC LININGS, ETC.</u></b>			
	<b><u>FLOOR COVERINGS</u></b>			
	<u>2.00mm thick x 2.0m wide Gerflor Tarasafe H20 safety vinyl sheeting</u>			
	<p>Tarasafe H20 to be supplied with Spar Clean surface treatment 2mm thick x 2m wide safety vinyl flooring comprising of a PVC wear layer containing deeply inlaid mineral particles and coloured elements for a subtle &amp; soft design that confirms to Class B barefoot slip resistance rating according to EN 16165:2021-A and AS 4586-C and R11 shod slip resistance rating in accordance to EN 16165:2021-B and AS 4586-D laid with ITE V30 acrylic adhesive using a A2 notch trowel on a previously prepared Class 1 sub-floor with 50mm below surfaced drilled moisture content reading of 75% RH in accordance with SANS 10070, including all cutting and waste, rolled in both directions with an articulated 68kg three-sectional roller immediately after it has been laid into the adhesive, joins must be butted, grooved and heat welded using the manufacturer's matching welding rod for a perfect finish all installed in accordance to manufacturers specifications. On completion the Vinyl should undertake a deep clean and Buff according to the manufacturers maintenance programme</p>			
1	To floors 2 : 63      4 : 64      6 : 65      A : 0	m2	192	
2	Turn-ups over coves and up against walls not exceeding 200mm girth 2 : 85      4 : 83      6 : 82      A : 0	m	251	
3	Cove Former 25mm x 25mm CF 2194 2 : 85      4 : 83      6 : 82      A : 0	m	251	
	<b>Carried Forward</b>			R
	Section No. 3 Bill No. 4 Floor Coverings, Plastic Linings, etc. <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>				R
<p><u>2.00mm thick x 2.0m wide Mipolam Astro compact Non-Directional homogeneous vinyl sheeting</u></p> <p>The flooring should comply with the following:</p> <p>Anti-bacterial &amp; anti-viral activity ISO 22196 &amp; ISO 21702 with TVOC &lt;10ug/m3 after 28 days with Evercare surface treatment and binder content type 1 laid in ITE V30 acrylic adhesive using a A2 notch trowel on a previously prepared Class 1 sub-floor with 50mm below surfaced drilled moisture content reading of 75% RH in accordance with SANS 10070, including all cutting and waste, rolled in both directions with an articulated 68kg three-sectional roller immediately after it has been laid into the adhesive, joints must be butted, grooved and heat welded using the manufacturer's matching welding rod for a perfect finish all installed in accordance to manufacturers specifications.</p> <p>On completion the Vinyl should undertake a deep clean and Buff according to the manufacturers maintenance programme</p>				
4	To floors 2 : 686      4 : 585      6 : 560      A : 0	m2	1 830	
5	Turn-ups over coves and up against walls not exceeding 200mm girth 2 : 647      4 : 426      6 : 409      A : 0	m	1 482	
<b><u>SKIRTINGS, NOSINGS, ETC</u></b>				
<u>Kirk Marketing or equal and approved</u>				
6	Aluminium capping strip fixed in flexible polyurethane adhesive 2 : 647      4 : 426      6 : 409      A : 0	m	1 482	
<b>Carried Forward to Summary of Section No. 3</b>				R
<p>Section No. 3 Bill No. 4 Floor Coverings, Plastic Linings, etc. <b>TENDER BILLS OF QUANTITIES</b></p>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 5</u></b>			
	<b><u>IRONMONGERY</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Finishes to ironmongery</u>			
	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			
	SD Sanded			
	<b><u>HINGES, BOLTS, ETC</u></b>			
	<u>Dormakaba or equal and approved</u>			
1	153mm Manual flush bolt with heel (code: DFB-SC-180) 2 : 13      4 : 13      6 : 11      A : 0	No	37	
2	305mm Manual flush bolt with heel (code: DFB-SC-181) 2 : 13      4 : 13      6 : 11      A : 0	No	37	
	<b><u>LOCKS</u></b>			
	<u>Dormakaba or equal and approved</u>			
3	Stainless steel Cylinder Sash Lock with Case size 116.5mm H x 78mm D and Forend size 168mm H x 22mm W and Backset size 57mm (code: DO36S SS) 2 : 31      4 : 28      6 : 30      A : 0	No	89	
	<b>Carried Forward</b>			
	Section No. 3 Bill No. 5 Ironmongery <b>TENDER BILLS OF QUANTITIES</b>		R	

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>				R
4	Stainless steel Cylinder Sash Lock with Case size 116.5mm H x 78mm D and Forend size 168mm H x 22mm W and Backset size 57mm (code: DO37S SS) 2 : 9      4 : 7      6 : 1      A : 0	No	17	
5	Stainless steel Sliding door lock with backset size 55mm and Forend 22mm (code: DSL 401) 2 : 4      4 : 0      6 : 0      A : 0	No	4	
6	Satin Nickel 65mm Euro-profile Bathroom / Privacy Cylinder (code: DBC006501) 2 : 12      4 : 4      6 : 3      A : 0	No	19	
7	Satin Nickel 63mm Europrofile Nickel Plated E-SP 5 pin double cylinder grand master keyed (code: DDC206301 GMK) 2 : 33      4 : 25      6 : 24      A : 0	No	82	
8	Satin Nickel 63mm Europrofile Nickel Plated E-SP 5 pin double cylinder grand master keyed (code: DKC206301 GMK) 2 : 4      4 : 0      6 : 0      A : 0	No	4	
9	Stainless Steel Round cylinder escutcheon (code: DCE-002 S.S) 2 : 13.0      4 : 5.0      6 : 1.0      A : 0.0	Pairs	19.0	
10	Stainless Steel Rebate conversion kit for Euro profile locks D036S, D037D (code: D038R NP) 2 : 9      4 : 13      6 : 11      A : 0	No	33	
<b><u>HANDLES</u></b>				
<b><u>Dormakaba or equal and approved</u></b>				
11	Stainless Steel rectangular flush Pull Handle, size 102 x 50mm (Code: DFP-SS-026) 2 : 4      4 : 0      6 : 0      A : 0	No	4	
12	Stainless Steel straight tubular Pull Handle BT, size 149 x 19mm (Code: DPH301C BT) 2 : 9      4 : 9      6 : 4      A : 0	No	22	
<b>Carried Forward</b>				R
Section No. 3 Bill No. 5 Ironmongery <b>TENDER BILLS OF QUANTITIES</b>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>			R
13	Stainless Steel Lever Handle on 170 x 170mm plate with cylinder cu-tout (Code: T120 BP Cyl S.S) 2 : 14.0    4 : 4.0    6 : 9.0    A : 0.0	Sets	27,0
14	Stainless Steel Lever Handle on rose with Cylinder escutcheons (Code: TH120 Cyl S.S) 2 : 22.0    4 : 24.0    6 : 21.0    A : 0.0	Sets	67,0
<b><u>PUSH PLATES AND KICKING PLATES</u></b>			
<u>Dormakaba or equal and approved</u>			
15	300mm High x 750mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200) 2 : 2    4 : 0    6 : 0    A : 0	No	2
16	300mm High x 775mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200) 2 : 0    4 : 0    6 : 4    A : 0	No	4
17	300mm High x 780mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200) 2 : 7    4 : 0    6 : 0    A : 0	No	7
18	1200mm High x 600mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200) 2 : 0    4 : 0    6 : 2    A : 0	No	2
19	1200mm High x 670mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200) 2 : 1    4 : 0    6 : 0    A : 0	No	1
20	1200mm High x 745mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200) 2 : 0    4 : 2    6 : 0    A : 0	No	2
<b>Carried Forward</b>			R
Section No. 3 Bill No. 5 Ironmongery <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>				R
21	1200mm High x 800mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200)	No	3	
	2 : 3      4 : 0      6 : 0      A : 0			
22	1200mm High x 813mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200)	No	8	
	2 : 5      4 : 2      6 : 1      A : 0			
23	1200mm High x 900mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200)	No	2	
	2 : 0      4 : 2      6 : 0      A : 0			
24	300mm High x 930mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200)	No	1	
	2 : 1      4 : 0      6 : 0      A : 0			
25	1200mm High x 940mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200)	No	26	
	2 : 4      4 : 12      6 : 10      A : 0			
26	1200mm High x 950mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200)	No	2	
	2 : 0      4 : 0      6 : 2      A : 0			
27	1200mm High x 960mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200)	No	2	
	2 : 2      4 : 0      6 : 0      A : 0			
28	1200mm High x 1010mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200)	No	4	
	2 : 4      4 : 0      6 : 0      A : 0			
<b>Carried Forward</b>				R
Section No. 3 Bill No. 5 Ironmongery <b>TENDER BILLS OF QUANTITIES</b>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>				R
29	1200mm High x 1050mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200) 2:0      4:1      6:0      A:0	No	1	
30	1200mm High x 1060mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200) 2:7      4:0      6:0      A:0	No	7	
31	1200mm High x 1700mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200) 2:4      4:0      6:0      A:0	No	4	
32	1200mm High x 775mm wide x 1.2mm thick Grade 304 brushed stainless steel kick plate with 28 countersunk holes for screw fixing (Code: DKP-430-SF 1200) 2:0      4:5      6:0      A:0	No	5	
<b><u>DOOR CLOSERS</u></b>				
<u>Dormakaba or equal and approved</u>				
The following door closer to be compliant with EN 1154. Door closer is CERTI FIRE approved (Certificate No. CF 119) for door types ITT 120, MM/IMM 240. Certified manufacturer to ISO 9001.				
33	Silver EN 3/4 Cam action slide channel NON HOLD OPEN Door Closer - Hydraulic Speed Control. Pull Side - leaf or transom fixing; Push Side - leaf or transom fixing. EN3 850-950, EN4 950-1100 (Code: TS90 - SL) 2:7      4:7      6:3      A:0	No	17	
34	Silver Cam action slide channel HOLD OPEN Door Closer - Hydraulic Speed Control. Pull Side - leaf or transom fixing; Push Side - leaf or transom fixing. EN3 850-950, EN4 950-1100 (Code: TS90 HO - SL) 2:0      4:1      6:0      A:0	No	1	
<b>Carried Forward</b>				R
Section No. 3 Bill No. 5 Ironmongery <b>TENDER BILLS OF QUANTITIES</b>				

**Proposed Refurbishment to  
 National District Hospital  
 Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>				R
35	Silver MECHANICAL HOLD OPEN Cam action slide channel door closer, Max door width 1600mm with Closing Force EN 5-7V, Adjustable strength, Hydraulic speed control, Backcheck, Delayed action, Pull-side door leaf fixing (Standard) and Push-side transom fixing (Code: TS90 HO - SL) 2:2      4:1      6:1      A:0	No	4	
<b><u>CATCHES, CABIN HOOKS, ETC</u></b>				
<u>Dormakaba or equal and approved</u>				
36	Stainless Steel Hat and Coat Hook with rubber buffer (code: DHC-SS-031B) 2:3      4:4      6:8      A:0	No	15	
37	Satin Chrome Cabin hook 150mm (code: CH 150) 2:9      4:6      6:9      A:0	No	24	
<b><u>LETTERS, NAMEPLATES, ETC</u></b>				
<u>Dormakaba or equal and approved</u>				
38	Stainless Steel 150 x 150mm Male / Female sign (code: Dss-132 MF) 2:0      4:2      6:3      A:0	No	5	
<b><u>BATHROOM FITTINGS</u></b>				
<u>Franke or equal ad approved</u>				
39	Stratos STRX 618 soap dispenser size 100 x 134 x 304mm deep with replacable 1 x litre container, cylinder lock with standard franke key, plugged and screwed wall with stainless steel screws. 2:18      4:11      6:0      A:0	No	29	
40	Stratos STRX 672 double toilet roll holder size 156 x 141 x 303mm suitable for two rolls maximum 108mm diameter with spindle system and cylinder lock with standard Frank key, lugged and screwed to wall with stainless steel screws. 2:6      4:0      6:0      A:0	No	6	
<b>Carried Forward</b>				R
Section No. 3 Bill No. 5 Ironmongery <b>TENDER BILLS OF QUANTITIES</b>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>				R
41	Stratos STRX 611 sanitary towel disposal bin size 304 x 205 x 134mm suitable for two rolls maximum 108mm diameter with capacity of 6 litres, plugged and screwed to the wall with stainless steel screws (code: 359740)	No	32	
	2 : 6      4 : 26      6 : 0      A : 0			
42	Stainless steel robe hooks plugged and screwed to the wall with stainless steel screws (code: 359945)	No	11	
	2 : 4      4 : 4      6 : 3      A : 0			
	<u>Bathroom Butler or equal and approved</u>			
43	Stainless steel Paraplegic rail Dog Leg grab rail with 3 support size 750 x 750mm plugged nd screwed to wall with stainless steel screws (Code: GRDGO3B)	No	3	
	2 : 1      4 : 2      6 : 0      A : 0			
44	Stainless steel Paraplegic rail size 842plugged nd screwed to wall with stainless steel screws (Code: GRFV01B)	No	3	
	2 : 1      4 : 2      6 : 0      A : 0			
	<u>Sundries</u>			
45	Circular galvanised wall mounted refuse bag holder size 445mm Diameter x 120mm high with black rubber lid, Bungee cord bag clamp and wall mounting point	No	116	
	2 : 58      4 : 33      6 : 25      A : 0			
46	Polypropylyene (Grey) horizontal baby chagung station , deep bed with adjustable safety belt foldable design for space PTIMISM, open size 862 x 557 x 483mm ad closed size 862 x 120 x 557mm	No	2	
	2 : 2      4 : 0      6 : 0      A : 0			
	<b><u>SUNDRIES</u></b>			
	<u>Dormakaba or equal and approved</u>			
47	Dust proof strike (code: DPS-SS-032)	No	33	
	2 : 9      4 : 13      6 : 11      A : 0			
	<b>Carried Forward</b>			
	Section No. 3 Bill No. 5 Ironmongery <b>TENDER BILLS OF QUANTITIES</b>			R

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

				<b>Brought Forward</b>		<b>R</b>
48	Floor mounted door stop (code: DDS-NP-018)	No	91			
	2 : 33      4 : 33      6 : 25      A : 0					
<b><u>PELMETS AND CURTAIN TRACKS</u></b>						
<u>Endurocide or equal and approved:</u>						
49	Antimicrobial Plus hospital cubicle curtain track 2000mm below soffit including 12 gliders per metre, hangers, brackets, stopped ends, etc (plugged)	m	541			
	2 : 386      4 : 0      6 : 155      A : 0					
50	Extra for end plugged	No	166			
	2 : 74      4 : 42      6 : 50      A : 0					
51	Extra for bend	No	185			
	2 : 67      4 : 56      6 : 62      A : 0					
<b>Carried Forward to Summary of Section No. 3</b>						<b>R</b>
Section No. 3						
Bill No. 5						
Ironmongery						
<b>TENDER BILLS OF QUANTITIES</b>						

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 6</u></b></p> <p><b><u>PLASTERING</u></b></p> <p><b><u>MOISTURE BARRIER</u></b></p> <p><u>VaporiTe Plus applied in two coats directionally to ensure full coverage of the surface</u></p> <p>Allow 4 hours between coats to ensure the product is adequately cured, Following the final coat, sufficient time must be allowed for the product to cure completely prior to proceeding with the application of iTeSlurry</p>			
1	<p>On floors</p> <p style="margin-left: 40px;">2 : 749      4 : 786      6 : 789      A : 0</p>	m2	2 324	
	<p><b><u>SCREEDS</u></b></p> <p><u>LEVELiTE F30 or equal and approved self levelling screed compound developed for heavy commercial and light industrial applications that sets to 25MPa</u></p> <p><b>Surface Preparation</b></p> <p>Due to the inability to control environmental factors such as wind or heat, It is recommended that direct to ground sub-floors be protected from rising damp to prevent dimensional changes in the floor covering (confirm the maximum permissible moisture content that the floor covering or adhesive can tolerate).</p> <p>The surface must be hard, sound, dry and free of dust, dirt and other materials such as grease, oil and paint.</p> <p>Due to its flow characteristics, sealing strips should be placed at doorways or where the levelling compound is not desired.</p>			
	<b>Carried Forward</b>			R
	<p>Section No. 3 Bill No. 6 Plastering <b>TENDER BILLS OF QUANTITIES</b></p>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Brought Forward				R
<b>Priming</b>				
<p>BONDiT<sup>e</sup>® or equal and approved primer and bonding agent essential component in priming the substrate prior to application of the self levelling screed.</p> <p>It acts as a pore sealer which will maintain the flow life and prevent air bubbles rising through the applied Self levelling screed smoothing compound.</p> <p>With very smooth non-absorbent sub-floors e.g. epoxy coated water barriers and ceramic tiles, it is essential to apply iT<sup>e</sup> SLURRY®, or to lightly grind the surface to promote adhesion.</p> <p>When the slurry is dry, the surface should be ready for application of the LEVELiT<sup>e</sup>® F30 or equal and approved levelling compound.</p>				
2	5mm Thick on floors and landings	m2	2 023	
	2 : 749      4 : 649      6 : 624      A : 0			
3	Skirting 150mm high	m	1 732	
	2 : 732      4 : 509      6 : 492      A : 0			
<b><u>INTERNAL PLASTER</u></b>				
<u>Gypsum skim plaster on Plasterboard</u>				
4	On Ceilings & bulkheads	m2	60	
	2 : 17      4 : 18      6 : 25      A : 0			
<b>Carried Forward to Summary of Section No. 3</b>				R
Section No. 3 Bill No. 6 Plastering <b>TENDER BILLS OF QUANTITIES</b>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 7</u></b>			
	<b><u>TILING</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Descriptions</u>			
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding			
	Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat.			
	Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts from the range of products as recommended by the manufacturer of the tiles			
	<b><u>WALL TILING</u></b>			
	<u>300 x 300 x 7mm Unglazed porcelain tiles (PC R400/m<sup>2</sup> for supply and delivery) fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted jointing compound</u>			
1	On walls 2 : 129      4 : 118      6 : 152      A : 0	m2	399	
2	On walls in isolated panels, splashbacks, etc 2 : 5      4 : 3      6 : 0      A : 0	m2	7	
	<b><u>FLOOR TILING</u></b>			
	<u>300 x 300 x 7mm Unglazed Porcelain floor tiles fixed on 25mm bedding on concrete and flush pointed with tinted waterproof jointing compound:</u>			
3	On floors and landings 2 : 0      4 : 137      6 : 165      A : 0	m2	301	
	<b>Carried Forward</b>			R
	Section No. 3 Bill No. 7 Tiling <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

4	<p style="text-align: center;"><b>Brought Forward</b></p> <p>Skirting 100mm high cut tiles</p> <p>2 : 0      4 : 95      6 : 116      A : 0</p> <p style="text-align: right;">m</p> <p style="text-align: right;">211</p> <p style="text-align: right;">R</p>	211	R	
<p style="text-align: center;"><b>Carried Forward to Summary of Section No. 3</b></p> <p>Section No. 3 Bill No. 7 Tiling <b>TENDER BILLS OF QUANTITIES</b></p>			R	

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 8</u></b></p> <p><b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Polycop polypropylene pipes</u></p> <p>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</p> <p>Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions</p> <p>All pipe diameters are nominal external</p> <p><u>Polylink polypropylene pipes</u></p> <p>Polypropylene pipes 63mm diameter and over shall be class 12 pipes jointed with cast iron Supraclamp running joints</p> <p>Fusion welded bends, once or twice mitred as necessary, and tees shall be factory manufactured</p> <p>Fusion welded bends and tees shall include jointing to pipes with PVC rubber ring double Z joint couplers</p> <p>Branch tees shall include flanged and bolted joints to Polycop branch pipes in addition and for brass compression male iron to copper straight couplers</p> <p align="right"><b>Carried Forward</b></p> <p>Section No. 3 Bill No. 8 Plumbing &amp; Drainage <b>TENDER BILLS OF QUANTITIES</b></p>		R	

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<p align="center"><b>Brought Forward</b></p> <p>Reducers shall include jointing to pipes with PVC rubber ring double Z joint couplers and reducers 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</p> <p><u>Concrete pipes</u></p> <p>Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings</p> <p><u>Vitrified clay pipes etc</u></p> <p>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</p> <p><u>uPVC pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed</p> <p><u>uPVC pressure pipes and fittings</u></p> <p>Pipes for water supply shall be of the class stated</p> <p>Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings</p> <p>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</p> <p align="center"><b>Carried Forward</b></p> <p>Section No. 3 Bill No. 8 Plumbing &amp; Drainage <b>TENDER BILLS OF QUANTITIES</b></p>		<p align="center">R</p>	
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**Proposed Refurbishment to  
 National District Hospital  
 Wards 2; 4; 6 & Boiler Plant Room**

	<p align="center"><b>Brought Forward</b></p> <p><u>Copper pipes</u></p> <p>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</p> <p>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</p> <p><u>Lead pipes and traps</u></p> <p>All soldered joints shall be wiped and brass unions shall be used for jointing lead to steel</p> <p><u>Reducing fittings</u></p> <p>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</p> <p><u>Wire gratings</u></p> <p>Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings</p> <p><u>Septic tanks</u></p> <p>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</p> <p align="center"><b>Carried Forward</b></p> <p>Section No. 3              Bill No. 8              Plumbing &amp; Drainage  <b>TENDER BILLS OF QUANTITIES</b></p>		<p align="center">R</p>	
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**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<p align="center"><b>Brought Forward</b></p> <p><u>Exposed concrete surfaces</u></p> <p>Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gully tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster</p> <p><u>Excavations</u></p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</p> <p>"Soft rock" and "hard rock" shall be as defined in "Earthworks"</p> <p><u>Laying, backfilling, bedding, etc of pipes</u></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</p> <p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:</p> <p>SABS 1200          L : Medium-pressure pipelines          LD : Sewers          LE : Stormwater drainage          Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200</p> <p>DB : Earthworks (Pipe trenches)          Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200</p> <p>LB : Bedding (Pipes).          Unless otherwise described bedding of rigid pipes shall be class B bedding</p> <p><u>Flush pans</u></p> <p>Flush pans shall have straight or side outlets and P or S traps as necessary</p> <p align="center"><b>Carried Forward</b></p> <p>Section No. 3          Bill No. 8          Plumbing &amp; Drainage  <b>TENDER BILLS OF QUANTITIES</b></p>		<p align="center">R</p>	
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**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>				R
<p><u>Stainless steel basins, sinks, wash troughs, urinals, etc</u></p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><u>Waste unions</u></p> <p>Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings</p> <p><u>Steel sectional water tanks</u></p> <p>Tanks shall comply with SABS CKS 114</p> <p><u>Densyl petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd</u></p> <p>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</p> <p>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</p> <p>Prices for wrapping of pipes shall include for all work as described to couplings in the length</p>				
<b><u>SANITARY FITTINGS</u></b>				
<u>Vaal or equal and approved</u>				
1	<p>Vaal Sanitaryware vitreous china 510 x 400 mm semi-rectangular "Sola 510" medical basin with no tapholes, overflow or chainstay hole (Code: 703700)</p> <p style="text-align: center;">2 : 18      4 : 11      6 : 0      A : 0</p>	No	29	
<u>Geberit or equal and approved</u>				
2	<p>Abalona wall hung toilet size 530 x 355 x 340mm with concealed cistern (code: 500.262.01.1)</p> <p style="text-align: center;">2 : 8      4 : 7      6 : 6      A : 0</p>	No	21	
<b>Carried Forward</b>				R
<p>Section No. 3 Bill No. 8 Plumbing &amp; Drainage <b>TENDER BILLS OF QUANTITIES</b></p>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Brought Forward					R
<b><u>WASTE UNIONS ETC</u></b>					
<b><u>Chromium plated</u></b>					
3	110mm waste outlet	No	50		
	2 : 26      4 : 18      6 : 6      A : 0				
<b><u>TRAPS ETC</u></b>					
<b><u>Cobra Watertech</u></b>					
4	32mm 340 CP bottle trap	No	50		
	2 : 26      4 : 18      6 : 6      A : 0				
<b><u>TAPS, VALVES, ETC</u></b>					
<b><u>Walcro or equal and approved</u></b>					
5	25mm Diameter BSP concealed vandal resistant DZR Brass toilet flush valve with VR Push-Button and concealed flush pipes (code: 106c)	No	21		
	2 : 8      4 : 7      6 : 6      A : 0				
<b><u>Cobra or equal and approved</u></b>					
6	Medical wall Bib Tap Elbow action (code: FEABIBEA-5JT01)	No	50		
	2 : 26      4 : 18      6 : 6      A : 0				
7	32mm Toilet flush valve back entry complete	No	21		
	2 : 8      4 : 7      6 : 6      A : 0				
<b><u>Ildral or equal and approved</u></b>					
8	Foel mixer chrome-basin, single lever wall mounted with swivel spout (code: TVID02400)	No	4		
	2 : 2      4 : 2      6 : 0      A : 0				
<b><u>SANITARY PLUMBING (PROVISIONAL)</u></b>					
Carried Forward					R
Section No. 3 Bill No. 8 Plumbing & Drainage <b>TENDER BILLS OF QUANTITIES</b>					

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Brought Forward				R
<u>uPVC pipes:</u>				
9	40mm Pipes fixed to or chased into brickwork. 2 : 78      4 : 54      6 : 18      A : 0	m	150	
10	50mm Pipes fixed to or chased into brickwork. 2 : 78      4 : 54      6 : 18      A : 0	m	150	
11	110mm Pipes fixed to or chased into brickwork. 2 : 78      4 : 54      6 : 18      A : 0	m	150	
<u>Extra over uPVC pipes for fittings.:</u>				
12	40mm Bend. 2 : 78      4 : 54      6 : 18      A : 0	No	150	
13	50mm Bend. 2 : 78      4 : 54      6 : 18      A : 0	No	150	
14	40mm Junction. 2 : 78      4 : 54      6 : 18      A : 0	No	150	
15	50mm Junction. 2 : 78      4 : 54      6 : 18      A : 0	No	150	
16	110mm End cap. 2 : 26      4 : 18      6 : 6      A : 0	No	50	
17	110mm Access bent pan connector. 2 : 26      4 : 18      6 : 6      A : 0	No	50	
18	110mm Access bend. 2 : 26      4 : 18      6 : 6      A : 0	No	50	
19	110mm Access junction. 2 : 26      4 : 18      6 : 6      A : 0	No	50	
20	Stub stack with overflow cap and waste connection in uPVC pipe 2 : 26      4 : 18      6 : 6      A : 0	No	50	
21	110mm Access bent pan connector. 2 : 26      4 : 18      6 : 6      A : 0	No	50	
Carried Forward				R
Section No. 3 Bill No. 8 Plumbing & Drainage <b>TENDER BILLS OF QUANTITIES</b>				

**Proposed Refurbishment to  
 National District Hospital  
 Wards 2; 4; 6 & Boiler Plant Room**

<p>22</p>	<p align="center"><b>Brought Forward</b></p> <p><u>Sundries:</u></p> <p>Testing waste pipe system.                  2 : 0.00    4 : 0.00    6 : 0.00    A : 1.00</p> <p><b><u>WATER SUPPLY</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>'Polycop' polypropylene pipes:</u></b></p> <p>Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with 'Fastfuse' heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated. 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.</p> <p><b><u>Copper pipes:</u></b></p> <p>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.</p>	<p align="center">Item</p>	<p align="center">R</p>	
	<p align="center"><b>Carried Forward</b></p> <p>Section No. 3                  Bill No. 8                  Plumbing &amp; Drainage  <b>TENDER BILLS OF QUANTITIES</b></p>		<p align="center">R</p>	

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Brought Forward				R
<b><u>Copper pipes chased in walls:</u></b>				
Where pipes have been chased in walls, the price for making good of plaster and paint, etc. shall be deemed to be included in the description of pipe chased in walls.				
<b><u>Fixing of pipes</u></b>				
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. No allowance for holes and drilling for pipes through walls has been made in these Bills of quantities, the price for all holes and making good shall be deemed to be included in the descriptions of the pipes.				
<b><u>WATER SUPPLIES</u></b>				
<b><u>Class 2 copper pipes.:</u></b>				
23	15mm Pipes chased into brick walls. 2 : 90      4 : 55      6 : 0      A : 0	m	145	
24	22mm Pipes chased into brick walls. 2 : 72      4 : 44      6 : 0      A : 0	m	116	
25	35mm Pipes chased into brick walls. 2 : 54      4 : 33      6 : 0      A : 0	m	87	
<b><u>Extra over class 2 copper and polypropylene pipes for brass compression fittings.:</u></b>				
26	15mm Fittings. 2 : 72      4 : 44      6 : 0      A : 0	No	116	
Carried Forward				R
Section No. 3 Bill No. 8 Plumbing & Drainage <b>TENDER BILLS OF QUANTITIES</b>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Brought Forward					R
27	22mm Fittings.			No	87
	2 : 54      4 : 33      6 : 0      A : 0				
28	35mm Elbow.			No	58
	2 : 36      4 : 22      6 : 0      A : 0				
29	35mm Bend			No	29
	2 : 18      4 : 11      6 : 0      A : 0				
	<u>Extra over class 2 copper pipes for capillary fittings:</u>				
30	15mm Fittings.			No	87
	2 : 54      4 : 33      6 : 0      A : 0				
31	22mm Fittings.			No	58
	2 : 36      4 : 22      6 : 0      A : 0				
32	35mm Elbow.			No	29
	2 : 18      4 : 11      6 : 0      A : 0				
	<u>Testing:</u>				
33	Testing water pipe system.				Item
 <b>Carried Forward to Summary of Section No. 3</b>					R
Section No. 3					
Bill No. 8					
Plumbing & Drainage					
<b>TENDER BILLS OF QUANTITIES</b>					

Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 9</u></b></p> <p><b><u>GLAZING</u></b></p> <p><b><u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u></b></p> <p><u>Float glass with polished edges all round in conformance with SANS 1263-1 safety and security glazing materials</u></p>			
1	<p>Mirror size 300 x 400mm high</p> <p>2 : 18      4 : 11      6 : 0      A : 0</p>	No	29	
	<p>Carried Forward to Summary of Section No. 3</p>		R	
	<p>Section No. 3 Bill No. 9 Glazing <b>TENDER BILLS OF QUANTITIES</b></p>			

**Proposed Refurbishment to  
 National District Hospital  
 Wards 2; 4; 6 & Boiler Plant Room**

Item No		Quantity	Rate	Amount
1	<p><b><u>BILL NO 10</u></b></p> <p><b><u>PAINTWORK</u></b></p> <p><b><u>SPECIFICATION</u></b></p> <p>Unless otherwise specified painting generally is to be in accordance with Plascon specifications</p> <p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p> <p><u>Previously painted plastered surfaces</u></p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p><u>Previously painted metal surfaces</u></p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p><u>Previously painted wood surfaces</u></p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><b><u>PAINTWORK ETC TO PREVIOUSLY PAINTED WORK ON FLOATED PLASTER SURFACES WITH</u></b></p> <p><u>One coat Plascon plaster primer (UC 56) and two coats Plascon Wall and All pure acrylic emulsion low sheen paint</u></p> <p>Internal walls m2 5 002</p> <p>2 : 2061    4 : 1680    6 : 1261    A : 0</p>			
	<p align="right"><b>Carried Forward</b></p> <p>Section No. 3                      Bill No. 10                      Paintwork  <b>TENDER BILLS OF QUANTITIES</b></p>		R	

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Brought Forward				R
<p><u>Prepare and prime walls with one coat Plascon Plaster Primer (UC 56) and two coats Double velvet low odour paint:</u></p>				
2	Internal walls	m2	665	
	2 : 215      4 : 197      6 : 253      A : 0			
<b><u>ON PLASTER BOARD</u></b>				
<p><u>Prepare and prime walls with one coat Plaster Primer with an over coating time of 4 hours, one coat Dulux universal undercoat and two coats Dulux Magic white:</u></p>				
3	Ceilings and cornices	m2	60	
	2 : 17      4 : 18      6 : 25      A : 0			
<p><u>Prepare and prime walls with one coat Plaster Primer with an over coating time of 4 hours, one coat Dulux universal undercoat and two coats Dulux Acrylic PVA White:</u></p>				
4	Partitions	m2	92	
	2 : 77      4 : 0      6 : 15      A : 0			
5	Ceilings and cornices	m2	166	
	2 : 0      4 : 0      6 : 166      A : 0			
<b><u>WOOD SURFACES WITH</u></b>				
<p><b><u>One coat pink wood primer and two coats super universal enamel paint on</u></b></p>				
6	Cornices, rails, etc not exceeding 300mm girth	m	122	
	2 : 41      4 : 41      6 : 40      A : 0			
<p><u>Sand smooth with 150 grit paper working in the direction of the grain, dust off, Seal knots with Plascon WoodcareKnot Seal (PK 2), On coat prime with Plascon Wood Primer (UC 2) and two coats Velvaglo Premium quality satin finish paint</u></p>				
7	Doors	m2	518	
	2 : 208      4 : 164      6 : 146      A : 0			
<b>Carried Forward</b>				R
<p>Section No. 3 Bill No. 10 Paintwork <b>TENDER BILLS OF QUANTITIES</b></p>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

				<b>Brought Forward</b>			<b>R</b>
8	Roof timbers at eaves and verges	m2	166				
	2 : 0      4 : 0      6 : 166      A : 0						
	<b><u>ON METAL</u></b>						
	<u>Plascon Super Universal Enamel: Apply solvent based enamel to interior mild steel (NW 710), Degrease with Plascon Aquasolv Degreaser (GR1) and rinse thoroughly with water, apply one coat of Metalcare Mild Steel Primer (UC 501), One coat Plascon Universal Undercoat (UC1) and 2 coats of Super Universal Enamel (NY 1/G)</u>						
9	Door frames	m2	116				
	2 : 47      4 : 36      6 : 34      A : 0						
10	Windows	m2	493				
	2 : 157      4 : 154      6 : 182      A : 0						
<p align="center"><b>Carried Forward to Summary of Section No. 3</b></p> <p>Section No. 3 Bill No. 10 Paintwork <b>TENDER BILLS OF QUANTITIES</b></p>							<b>R</b>

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Bill No</b>	<b>SECTION SUMMARY - Building Works</b>	<b>Page No</b>		<b>Amount</b>
1	Waterproofing	44		
2	Carpentry & Joinery	51		
3	Ceilings, Partitions and Access Flooring	56		
4	Floor Coverings, Plastic Linings, etc.	58		
5	Ironmongery	66		
6	Plastering	68		
7	Tiling	70		
8	Plumbing & Drainage	80		
9	Glazing	81		
10	Paintwork	84		
	<b>Carried to Final Summary</b>		R	
	Section No. 3 <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 1</u></b></p> <p><b><u>PROVISIONAL SUMS ETC</u></b></p> <p><u>Note</u></p> <p>All prime cost amounts and provisional sums are net</p> <p><b><u>SUNDRY BUILDING WORK</u></b></p> <p><u>Builder's work in connection with specialist installation</u></p>			
1	<p>Provide the sum of R500 000.00 (Five Hundred Thousand Rand) for Specialist Installation to be measured and valued at scheduled / contractor's provided rates</p> <p>2 : 0.00    4 : 0.00    6 : 0.00    A : 1.00</p> <p>B : 0.00    R : 0.00</p> <p><u>Refurbishment works at the Boiler Plant Room</u></p>	Item		500 000,00
2	<p>Provide the sum of R550 000.00 (Five Hundred and Fifty Thousand Rand) for refurbishment work at the Boiler Plant Room.</p> <p><b><u>BUDGETARY ALLOWANCES</u></b></p> <p><u>Contract Price Adjustment Provisions (CPAP)</u></p>	Item		550 000,00
3	<p>Provide the amount of R 3 400 000.00 (Three Million Four Hundred Thousand Rands) for ) for CPAP as indicated in the Preliminaries Bill to be used in terms of the Principal Building Agreement</p>	Item		3 400 000,00
	<p><b>Carried Forward</b></p>		R	
	<p>Section No. 4 Bill No. 1 Provisional Sums <b>TENDER BILLS OF QUANTITIES</b></p>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>			R
<u>Budgetary Allowances</u>			
4	Provide the sum of R 650 000,00 (Six Hundred and Fifty Thousand Rand) for budgeted amounts set aside for items that have not been fully specified during the compilation of the tender Bills of Quantities accounting for uncertain costs such as finishes, materials, or labour for which exact details are not yet determined. these allowances and intended to provide flexibility, allowing client / End users to make selections later while assisting to secure the budget from unexpected costs 2 : 0.00    4 : 0.00    6 : 0.00    A : 1.00 B : 0.00    R : 0.00	Item	650 000,00
<u>Community Liaison Officer (CLO)</u>			
5	Provide the amount of R 100 000.00 (One Hundred Thousand Rands) for Community Liaison Officer (CLO) to be used for the duration of the project.	Item	100 000,00
6	Profit	Item	
7	Attendance	Item	
<b><u>SPECIALIST WORK (SELECTED SUB-CONTRACTORS)</u></b>			
<u>Information and Communication Technology (ICT)</u>			
8	Provide the sum of R700 000.00 (Seven Hundred Thousand Rand for ICT Installation at Ward 2 (Ground floor)	Item	700 000,00
9	Provide the sum of R700 000.00 (Seven Hundred Thousand Rand for ICT Installation at Ward 4 (First Floor)	Item	700 000,00
10	Provide the sum of R700 000.00 (Seven Hundred Thousand Rand for ICT Installation at Ward 6 (Second Floor)	Item	700 000,00
11	Attendance	Item	
12	Profit	Item	
<b>Carried Forward</b>			R
Section No. 4 Bill No. 1 Provisional Sums <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>			R	
<u>Electrical Installation</u>				
13	Provide the sum of R360 000.00 (Three Hundred Thousand Rand) for Electrical Installation Preliminaries 2 : 0.00    4 : 0.00    6 : 0.00    A : 1.00 B : 0.00    R : 0.00	Item		360 000,00
14	Provide the sum of R5 914 116 (Five Million rand Nine Hundred and Fourteen Thousand One Hundred and Sixteen Rands) for Electrical Installation Cable Reticulation and Area Lighting 2 : 0.00    4 : 0.00    6 : 0.00    A : 1.00 B : 0.00    R : 0.00	Item		5 914 116,00
15	Provide the sum of R2 848 239.80 (Two Million rand Eight Hundred and Forty Eight Thousand Two Hundred and Thirty Nine Rands and Eighty Cents) for Electrical Installation at Ward 2 2 : 1.00    4 : 0.00    6 : 0.00    A : 0.00 B : 0.00    R : 0.00	Item		2 848 239,80
16	Provide the sum of R2 813 971.20 (Two Million rand Eight Hundred and Thirteen Thousand Nine Hundred and Seventy One Rands and twenty Cents) for Electrical Installation at Ward 4 2 : 0.00    4 : 1.00    6 : 0.00    A : 0.00 B : 0.00    R : 0.00	Item		2 813 971,20
17	Provide the sum of R3 291 629.00 (Three Million rand Two Hundred and Ninety One Thousand Six Hundred and Twenty Nine Rands) for Electrical Installation at Ward 6 2 : 0.00    4 : 0.00    6 : 1.00    A : 0.00 B : 0.00    R : 0.00	Item		3 291 629,00
18	Provide the sum of R2 986 939.20 (Two Million rand Nine Hundred and Eighty Six Thousand Nine Hundred and Thirty Nine and Twenty Cents) for Electrical Installation at Boiler House 2 : 0.00    4 : 0.00    6 : 0.00    A : 0.00 B : 1.00    R : 0.00	Item		2 986 939,20
<b>Carried Forward</b>			R	
Section No. 4 Bill No. 1 Provisional Sums <b>TENDER BILLS OF QUANTITIES</b>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

		<b>Brought Forward</b>		R	
19	Attendance		Item		
20	Profit		Item		
	<u>Mechanical Installation</u>				
21	Provide the sum of R7 478 352,00 (Seven Million Four Hundred and Seventy Eight Thousand Three Hundred and Fifty Two Rands) for HVAC Services		Item		7 478 352,00
	2 : 0.00    4 : 0.00    6 : 0.00    A : 1.00				
	B : 0.00    R : 0.00				
22	Profit		Item		
23	Attendance		Item		
24	Provide the sum of R4 779 852,00 (Four Million Seven Hundred and Seventy Eight Thousand Three Hundred and Fifty Two Rands) for Wet Services		Item		4 779 852,00
	2 : 0.00    4 : 0.00    6 : 0.00    A : 1.00				
	B : 0.00    R : 0.00				
25	Profit		Item		
26	Attendance		Item		
27	Provide the sum of R9 333 450,00 (Nine Million Three Hundred and Thirty Three Thousand Four Hundred and Fifty Two Rands) for Medical Gas Services		Item		9 333 450,00
	2 : 0.00    4 : 0.00    6 : 0.00    A : 1.00				
	B : 0.00    R : 0.00				
28	Profit		Item		
29	Attendance		Item		
30	Provide the sum of R2 172 660,00 (Two Million One Hundred and seventy Two Thousand Six Hundred and Sixty Six Rands) for Fire Protection Services		Item		2 172 660,00
	2 : 0.00    4 : 0.00    6 : 0.00    A : 1.00				
	B : 0.00    R : 0.00				
31	Profit		Item		
32	Attendance		Item		
		<b>Carried Forward</b>		R	
	Section No. 4				
	Bill No. 1				
	Provisional Sums				
	<b>TENDER BILLS OF QUANTITIES</b>				



**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>			R
<u>Signage</u>			
33	Provide the sum of R460 000,00 (Four Hundred and Sixty Thousand Rand) for Directional Signage 2 : 0.00    4 : 0.00    6 : 0.00    A : 1.00 B : 0.00    R : 0.00	Item	460 000,00
34	Profit	Item	
35	Attendance	Item	
36	Provide the sum of R100 000,00 (One Hundred Thousand Rand) for Statutory Signage 2 : 0.00    4 : 0.00    6 : 0.00    A : 1.00 B : 0.00    R : 0.00	Item	100 000,00
37	Profit	Item	
38	Attendance	Item	
<u>Joinery Fittings</u>			
39	Provide the sum of R 250 000,00 (Two Hundred and Fifty Thousand Rand) for Joinery Fittings (Fixed Furniture) 2 : 0.00    4 : 0.00    6 : 0.00    A : 1.00 B : 0.00    R : 0.00	Item	250 000,00
40	Profit	Item	
41	Attendance	Item	
<u>Asbestos Removal</u>			
42	Provide the sum of R 450 000,00 (Four Hundred and Fifty Thousand Rand) for Approved Inspection Authority 2 : 0.00    4 : 0.00    6 : 0.00    A : 0.00 B : 0.00    R : 1.00	Item	450 000,00
<b>Carried Forward</b>			R
Section No. 4 Bill No. 1 Provisional Sums <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>			R
43	Provide the sum of R 450 000,00 (Four Hundred and Fifty Thousand Rand) for Waste Collection, Transport and Disposal 2 : 0.00    4 : 0.00    6 : 0.00    A : 0.00 B : 0.00    R : 1.00	Item	450 000,00
44	Provide the sum of R 150 000,00 (One Hundred and Fifty Thousand Rand) for OHS Compliance 2 : 0.00    4 : 0.00    6 : 0.00    A : 0.00 B : 0.00    R : 1.00	Item	150 000,00
45	Profit	Item	
46	Attendance	Item	
<b>Carried to Final Summary</b>			R
Section No. 4 Bill No. 1 Provisional Sums <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
 National District Hospital  
 Wards 2; 4; 6 & Boiler Plant Room**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 1</u></b></p> <p><b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>uPVC pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed</p> <p><u>uPVC pressure pipes and fittings</u></p> <p>Pipes for water supply shall be of the class stated</p> <p>Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings</p> <p>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</p> <p><u>Excavations</u></p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</p> <p>"Soft rock" and "hard rock" shall be as defined in "Earthworks"</p> <p><u>Laying, backfilling, bedding, etc of pipes</u></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</p>			
	<b>Carried Forward</b>		R	
	<p>Section No. 5                      Bill No. 1                      Soil Drainage  <b>TENDER BILLS OF QUANTITIES</b></p>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<p align="center"><b>Brought Forward</b></p> <p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:</p> <p>SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200</p> <p>DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200</p> <p>LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding</p> <p><u>Flush pans</u></p> <p>Flush pans shall have straight or side outlets and P or S traps as necessary</p> <p><b><u>SOIL DRAINAGE</u></b></p> <p><b><u>Class 6 Corflo uPVC pipes:</u></b></p> <p>1 160mm Pipes laid in and including trenches not exceeding 1m deep. <span style="float:right">m</span> E : 1109 <span style="float:right">1 109</span></p> <p><b><u>Sumps, catchpits, inspection chambers, etc (gratings and covers elsewhere)</u></b></p> <p>2 Precast concrete inspection chamber 1000mm internal diameter exceeding 1500mm but not exceeding 2000mm deep deep internally, complete with 150mm thick precast concrete cover slab with rebated opening for cover and frame, benching in bottom chamber and dished down to channels. <span style="float:right">No</span> E : 17 <span style="float:right">17</span></p> <p align="center"><b>Carried Forward</b></p> <p>Section No. 5 Bill No. 1 Soil Drainage <b>TENDER BILLS OF QUANTITIES</b></p>		<p align="center">R</p> <p align="center">R</p>	
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**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>			<b>R</b>
<b><u>Gratings, covers, etc:</u></b>			
3	560mm Diameter precast concrete manhole cover lid slab (Type 4A), all in accordance with SABS 558 E : 17	No	17
4	Lifting key for manhole cover E : 1	No	1
<b><u>Pipe connections:</u></b>			
5	Excavate to expose and break into side of existing manhole, break through side into manhole for new 160mm uPVC pipe connection, including changing benching, etc to accommodate new connection. E : 1	No	1
<b><u>Encasing pipes in concrete:</u></b>			
6	15MPa/19mm Unreinforced concrete encasing minimum 160mm thick all round 110mm pipes (pipes elsewhere measured) including any additional excavation, formwork, etc E : 5	m	5
<b><u>Sundries:</u></b>			
7	Testing soil drainage system.		Item
<b>Carried to Final Summary</b>			<b>R</b>
Section No. 5 Bill No. 1 Soil Drainage <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO.1</u></b></p> <p><b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><u>Vitrified clay pipes etc</u></p> <p>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</p> <p><u>uPVC pipes and fittings</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed</p> <p><u>uPVC pressure pipes and fittings</u></p> <p>Pipes for water supply shall be of the class stated</p> <p>Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings</p> <p>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</p>			
	<p><b>Carried Forward</b></p>		<p>R</p>	
	<p>Section No. 6 Bill No. 1 Stormwater Drainage <b>TENDER BILLS OF QUANTITIES</b></p>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<p style="text-align: center;"><b>Brought Forward</b></p> <p><u>Reducing fittings</u></p> <p>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</p> <p><u>Excavations</u></p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</p> <p>"Soft rock" and "hard rock" shall be as defined in "Earthworks"</p> <p><u>Laying, backfilling, bedding, etc of pipes</u></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</p> <p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 6 Bill No. 1 Stormwater Drainage <b>TENDER BILLS OF QUANTITIES</b></p>		<p style="text-align: center;">R</p>	
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**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>				R
<p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following:</p> <p>SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200</p> <p>DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200</p> <p>LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding</p> <p><b><u>STORMWATER DRAINAGE</u></b></p> <p><u>Class 100D concrete pipes</u></p>				
1	<p>375mm Pipes laid in and including trenches not exceeding 1m deep E : 376</p>	m	376	
<u>Sumps, catchpits, inspection chambers, etc (gratings and covers elsewhere)</u>				
2	<p>Catchpit 1460 x 1170mm and not exceeding 500mm deep internally E : 7</p>	No	7	
<u>Gratings, covers, etc</u>				
3	<p>630 x 620mm Reet Grid RS40 (24 x 4,5) including frame E : 7</p>	No	7	
<u>Sundries</u>				
4	<p>Testing drainage pipe system E : 1.00</p>		Item	
<b>Carried to Final Summary</b>				R
<p>Section No. 6 Bill No. 1 Stormwater Drainage <b>TENDER BILLS OF QUANTITIES</b></p>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 1</u></b></p> <p><b><u>OCCUPATIONAL HEALTH &amp; SAFETY</u></b></p> <p><b><u>Occupational Health &amp; Safety</u></b></p> <p><b><u>Preparation of Contractor's Site Specific Health and Safety Plan</u></b></p>			
1	<p>The rate for this item must cover all expenses incurred in preparing the Contractor's project specific Health and Safety Plan as required by the Client's Site specific Health and Safety Specification in this document</p> <p><u>Principal Contractor's initial obligations in respect of the Occupational Health and Safety Act and Construction Regulations</u></p>	Item		
2	<p>The full amount will be paid in one instalment only when the Client's Agent has verified and approved the following</p> <p>(a) The Principal Contractor has notified the Provincial Director of the Department of Labour in writing of the project, Annexure A to the Regulations.</p> <p>(b) The Principal Contractor has made the required initial Appointments of Employees and Contractors.</p> <p>(c) The Client has approved the Principal Contractor's project Health and Safety Plan.</p> <p>(d) The Principal Contractor has set up his Health and Safety File.</p>	Item		
	<p><b>Carried Forward</b></p>		R	
	<p>Section No. 7 Bill No. 1 Occupational Health &amp; Safety <b>TENDER BILLS OF QUANTITIES</b></p>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<b>Brought Forward</b>			R	
	<p><u>Principal Contractor's time related obligations in respect of the Occupational Health and Safety Act and Construction Regulations</u></p>				
3	<p>The amount shall represent full compensation for that part of the Principal Contractor's general obligations in terms of the Occupational Health and Safety Act and Regulations which are mainly a function of time. Payment will be made when the Client's Agent has verified the Principle Contractor's compliance as part of the audit. This will include the updating and administration of the Health and Safety file</p> <p align="center">O : 1</p>	Months	1		
	<p><u>Provision of Personal Protective Equipment (PPE)</u></p> <p>Payment will be based on the issues register for PPE as kept by the Construction Health and Safety Officer, backed up by paid invoices if requested.</p>				
4	<p>The rates for these items shall include for the procurement, delivery, storage, distribution and all other actions required for the supply of PPE to the employees of the Principle Contractor, full or part time, requiring them. Contractors are responsible for their on costs in this regard. Any items of PPE not included on the list will be paid for only after the Engineer has agreed to their acquisition.</p> <p align="center">O : 12</p>	Months	12		
5	<p>Items listed will include, among others which may be noted, are: hard hats, reflective vests, reflective bibs, high visibility overalls, protective foot wear, fall arrestor harness and tethers, gloves, ear muffs, earplugs and dust masks of appropriate type. Normal items such as standard overalls, waterproof clothing, gum boots and standard workshop safety equipment such as welding masks and goggles will not be paid for.</p> <p align="center">O : 12</p>	Months	12		
	<b>Carried Forward</b>			R	
	<p>Section No. 7 Bill No. 1 Occupational Health &amp; Safety <b>TENDER BILLS OF QUANTITIES</b></p>				

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

	<b>Brought Forward</b>			R
	<p><u>Provision of full time Construction Health and Safety Officer</u></p> <p>6 The Tender sum shall include for the cost of a Construction Health and Safety Officer on a full time basis, his overheads, transport and all others items necessary for the proper carrying out of his duties, which include the induction and training of all persons on site. If a part time safety officer is appointed, by agreement with the Employer, then the amount Tendered will be prorated according to the amount of time spent on the project.</p> <p align="right">Months 12</p> <p>O : 12</p>			
	<p><u>Costs of Medical Surveillance</u></p> <p>7 This item shall covers all costs in involved in the obtaining of baseline, periodic (at least annually) and exit medical certification and conducting medical surveillance for all workers and especially operators of Construction vehicles and mobile plant as contemplated in CR 21(d) (ii); Workers at Heights, Regulation 8 (2) (b) of the Construction Regulations and Workers exposed to hazardous chemicals including bituminous fumes under Regulation 7 of the HCSR; for temporary workers and workers exposed to noises at or above the limits given in the Noise-induced Hearing Loss regulations, as stipulated above.</p> <p>Workers in the permanent employ of the Contractor will only be paid for if their certificates require updating. Chest x-rays will be required in the case of workers who may be exposed to high concentrations of dust (silica).</p> <p>C.06 a) Initial (baseline) medical examinations, including audiometric and lung function testing.</p> <p>C.06 b) Periodic examinations</p> <p>C.06 c) Exit examinations</p> <p align="right">No 50</p> <p>O : 50</p>			
	<b>Carried Forward</b>			R
	<p>Section No. 7 Bill No. 1 Occupational Health &amp; Safety <b>TENDER BILLS OF QUANTITIES</b></p>			

**Proposed Refurbishment to  
 National District Hospital  
 Wards 2; 4; 6 & Boiler Plant Room**

	<b>Brought Forward</b>		R	
	<u>Induction Training</u>			
8	This item shall cover all costs incurred for the health and safety inductions as set out on Regulation 7 of the Construction regulations and the proof of induction required. Payment will be made on the figures contained in the induction section of the Health and Safety File. O : 12	Months	12	
	<u>Provision of First Aid Boxes including emergency safety equipment such as fire extinguishers</u>			
9	The rate for this item shall cover all costs incurred in the provision and maintaining of first aid boxes as well as other emergency safety equipment which includes, but will not be limited to the provision of fire extinguishers. O : 12	Months	12	
	<u>Transportation of Workers</u>			
10	The Lump sum tendered under this Item shall cover all costs involved in the safe transportation of workers as outlined above. Payment will be made in equal amounts for the duration of the contract. O : 12	Months	12	
	<u>Welfare Facilities</u>			
11	Adequate toilets and hand washing facilities, clean, safe drinking water, sheltered eating facilities, showering and changing facilities for each sex including accommodation (delete if not applicable) O : 12	Months	12	
	<u>Training</u>			
12	The Lump sum tendered under this Item shall cover all costs involved in Occupational Health and Safety Training Requirements: (as required by the Construction Regulations and as indicated by the SHE Specification Document & the Risk Assessment/s and recommendations by the Health and Safety Committee. O : 12	Months	12	
	<b>Carried Forward</b>		R	
	Section No. 7 Bill No. 1 Occupational Health & Safety <b>TENDER BILLS OF QUANTITIES</b>			

**Proposed Refurbishment to  
 National District Hospital  
 Wards 2; 4; 6 & Boiler Plant Room**

<b>Brought Forward</b>			<b>R</b>
	<u>Security requirements</u>		
13	<p>The Lump sum tendered under this Item shall cover all costs involved in providing a Security Guardhouse for security guards on-site with ablution facilities where appropriate, a Visitor's register and Occurrence. Two way radio or cell phone to report emergencies to the relevant authorities, site safeguarding and full security uniform worn at all times.</p> <p style="text-align: right;">Months                      12</p> <p style="text-align: center;">O : 12</p>		
	<u>Submission of the Health and Safety File (hard and soft copies)</u>		
14	<p>Expenditure under this item shall be made in accordance with the general conditions of contract.</p> <p>This amount will be paid only once the Principal Contractor has met all his obligations in respect of the Occupational Health and Safety Act and the Construction Regulations and has submitted his Health and Safety File complete as envisaged on this specification to the Client's satisfaction.</p> <p style="text-align: right;">Item</p>		
	<u>Occupational Hygiene</u>		
15	<p>Training, PPE, Sanitizers, Transportation, Hygiene Facilities, Screening, etc</p> <p style="text-align: right;">Months                      12</p> <p style="text-align: center;">O : 12</p>		
<b>Carried to Final Summary</b>			<b>R</b>
<p>Section No. 7                  Bill No. 1                  Occupational Health &amp; Safety  <b>TENDER BILLS OF QUANTITIES</b></p>			

**Proposed Refurbishment to  
National District Hospital  
Wards 2; 4; 6 & Boiler Plant Room**

Section No	<u>FINAL SUMMARY</u>	Page No		Amount
1	Preliminaries	33		
2	Alterations	42		
3	Building Works	85		
4	Provisional Sums	91		
5	Soil Drainage	94		
6	Stormwater Drainage	97		
7	Occupational Health & Safety	102		
	Sub-total		R	
	Allow a contingency amount of R3 500 000.00 to be used as directed by the Principal Agent	Item		3 500 000,00
	Sub Total		R	
	<b>VALUE ADDED TAX</b>		R	
	Carried to Form of Tender		R	
	<b>TENDER BILLS OF QUANTITIES</b>			

# SITE EXPLANATORY MEETING CERTIFICATE

TENDER NUMBER: **DOH(FS) 04/2025/2026**

Attendance list number: \_\_\_\_\_

**DESCRIPTION: REFURBISHMENT AND UPGRADE OF EXISTING WARD 2, WARD 4, WARD 6 AND BOILER HOUSE AT NATIONAL HOSPITAL IN BLOEMFONTEIN, FREE STATE DEPARTMENT OF HEALTH. (8GB AND HIGHER)**

**CONTRACT PERIOD: DATE OF SIGNING OF CONTRACT FOR TWELVE (12) MONTHS.**

**Attendance of the site explanatory meeting is COMPULSORY**

An official of the Department must sign this certificate at the explanatory meeting. No certificate will be signed outside the meeting. The original certificate must be included in the bid document and will not be accepted after the closing time and date of the bid.

**COMPULSORY SITE BRIEFING MEETING DATE: 26 NOVEMBER 2025**

**TIME: 10H00**

**VENUE: AUDITORIUM AT NATIONAL HOSPITAL, ROTH AVE WILLOWS, BLOEMFONTEIN, 9301**

**CONTACT PERSON/S: Me. L Pholo**  
Tel: (051) 408 1463 (Infrastructure)

This is to certify that \_\_\_\_\_ in his/her capacity as \_\_\_\_\_ of the company \_\_\_\_\_ has attended the Compulsory Explanatory meeting on the \_\_\_\_\_ day of \_\_\_\_\_ 2025 and is therefore, familiar with circumstances and the scope of the items to be supplied.

\_\_\_\_\_  
**SIGNATURE /DEPARTMENTAL OFFICIAL**

\_\_\_\_\_  
**RANK**

\_\_\_\_\_  
**SIGNATURE OF REPRESENTATIVE OF COMPANY**

\_\_\_\_\_  
**DATE**

OFFICIAL DATE  
STAMP

**\* Note: Only one certificate per company**

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