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DEFINITIONS1 **A1 DEFINITIONS AND INTERPRETATION**

Clause 1.0 Clause

1.1 Definition of "**Commencement Date**" is added:

"**COMMENCEMENT DATE**" means the date that the **agreement**, made in terms of the Form of Offer and Acceptance, comes into effect

Clause 1.1 Definition of "**Construction Period**" is amended by replacing it with the following:

"**CONSTRUCTION PERIOD**" means the period commencing on the commencement date and ending on the date of practical completion

2 Clause 1.1 Definition of "**Corrupt Practice**" is added3 "**CORRUPT PRACTICE**" means offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.4 Clause 1.1 Definition of "**Fraudulent Practice**" is added:5 "**FRAUDULENT PRACTICE**" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any tenderer and includes collusive practice among tenderers (prior to or after the tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the tenderer of the benefits of free and open competition

Clause 1.1 Definition of "**Interest**" is amended by replacing it with the following:

"**INTEREST**" means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999)

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6	Clause 1.1 Definition of "Principal Agent" is amended by replacing it with the following:		
7	"PRINCIPAL AGENT" means the person or entity appointed by the employer and named in the schedule. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by a representative of the employer as named in the schedule		
8	Clause 1.1 Definition of " Security " is ammended by replacing it with the following:		
9	"SECURITY" means the form of security provided by the employer or contractor , as stated in the schedule, from which the contractor or employer may recover expenses or loss		
10	Clause 1.6 is amended by replacing the words "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax"		
	Clause 1.6.4 is amended by replacing it with the following:		
	No clause		
	Fixed: _____ Value related: _____ Time related: _____	Item	
	<u>OBJECTIVE AND PREPARATION</u>		
11	A2 OFFER, ACCEPTANCE AND PERFORMANCE		
	Clause 2.0		
	Fixed: _____ Value related: _____ Time related: _____	Item	
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16	A7 COMPLIANCE WITH REGULATIONS Clause 7.0 Note: A separate clause has been included in Section C: Specific Preliminaries of the bills of quantities/lumpsum document for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification Fixed: _____ Value related: _____ Time related: _____	Item		
17	A8 WORKS RISK Clause 8.0 Fixed: _____ Value related: _____ Time related: _____	Item		
18	A9 INDEMNITIES Clause 9.0 Fixed: _____ Value related: _____ Time related: _____	Item		
19	A10 WORKS INSURANCES Clause 10.0 Clause 10.0 is amended by the addition of the following clauses:			
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<p style="text-align: center;">Brought Forward</p> <p>10.5 Damage to the Works</p> <p>(a) Without in any way limiting the contractor's obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary</p> <p>(b) The contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works</p> <p>(c) The employer shall carry the risk of damage to or destruction of the works and material paid for by the employer that is the result of the excepted risks as set out in 10.6</p> <p>(d) Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof</p> <p>10.6 Injury to Persons or loss of or damage to Properties</p> <p>(a) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or neglect of any person for whose actions the employer is legally liable</p>	<p style="text-align: center;">R</p>
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p>

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<p style="text-align: center;">Brought Forward</p> <p>(b) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or neglect of any person for whose actions the employer is legally liable</p> <p>(c) The contractor shall, upon receiving a contract instruction from the principal agent, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the employer shall be entitled to cause it to be made good and to recover the cost thereof from the contractor or to deduct the same from amounts due to the contractor</p> <p>(d) The contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion</p> <p>(e) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor shall and will remain adequately insured or insured against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed</p> <p>(f) The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works</p>		R
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>		R

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10.7 High risk insurance

In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:

10.7.1 Damage to the works

The **contractor** shall, from the commencement **date** of the **works** until the date of the **certificate of practical completion** bear the full risk of and hereby indemnifies and holds harmless the **employer** against any damage to and/or destruction of the **works** consequent upon a catastrophic ground movement as mentioned above. The **contractor** shall take such precautions and security measures and other steps for the protection of the **works** as he may deem necessary

When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor's own costs

10.7.2 Injury to persons or loss of or damage to property

The **contractor** shall be liable for and hereby indemnifies and holds harmless the **employer** against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above

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	<p>The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract</p> <p>10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the commencement date but before commencement of the works, submit to the employer proof of such insurance policy, if requested to do so</p> <p>10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>			
20	A11 LIABILITY INSURANCES	Item		
	<p>Clause 11.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
21	A12 EFFECTING INSURANCES			
	<p>Clause 12.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item		
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	<p>Section No. 1 Bill No. 1 Preliminaries</p>			

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22	A13.0 <i>No clause</i>	N/A		
23	A14 SECURITY			
	Clause 14.0			
	Clauses 14.1 - 14.8 are amended by replacing them with the following:			
	14.1 In respect of contracts with a contract sum up to R1 million, the security to be submitted by the contractor to the employer will be as a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT)			
	14.1.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)			
	14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor			
	14.2 In respect of contracts with a contract sum above R1 million, the contractor shall have the right to select the security to be provided in terms of 14.3, 14.4, 14.5, 14.6, or 14.7 as stated in the schedule . Such security shall be provided to the employer within twenty-one (21) calendar days from commencement date . Should the contractor fail to select the security to be provided or should the contractor fail to provide the employer with the selected security within twenty-one (21) calendar days from commencement date , the security in terms of 14.7 shall be deemed to have been selected.			
	14.3 Where security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:			
	14.3.1 The contractor shall furnish the employer with a cash deposit equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date			
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<p style="text-align: center;">Brought Forward</p> <p>14.3.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT), and refund the balance to the contractor</p> <p>14.3.3 Within twenty-one (21) calendar days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor</p> <p>14.3.4 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor</p> <p>14.3.5 The employer shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor</p> <p>14.3.6 The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party</p> <p>14.4 Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>14.4.1 The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>14.4.2 The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender</p> <p>14.4.3 The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>		R	

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<p style="text-align: center;">Brought Forward</p> <p>14.4.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall issue a written demand in terms of the variable construction guarantee</p> <p>14.5 Where security as a fixed construction guarantee of five per cent (5%) of the contract sum (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.5.1 The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT)</p> <p>14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of practical completion</p> <p>14.5.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring</p> <p>14.5.4 The payment reduction of the value certified in a payment certificate shall be in terms of 31.8 (A) and 34.8</p> <p>14.5.5 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or may do both</p> <p>14.6 Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.6.1 The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>14.6.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>		R	

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<p style="text-align: center;">Brought Forward</p> <p>14.6.3 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)</p> <p>14.6.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both</p> <p>14.7 Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.7.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(B)</p> <p>14.7.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the contractor</p> <p>14.8 Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement</p> <p>14.9 Should the contractor fail to furnish the security in terms of 14.2, the employer, in his sole discretion and without notification to the contractor, is entitled to change the contractor's selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT), whereafter 14.7 shall be applicable</p> <p>Fixed: _____ Value related: _____ Time related: _____</p>	Item	R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>		R	

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	<u>EXECUTION</u>			
24	A15 PREPARATION FOR AND EXECUTION OF THE WORKS Clause 15.0 Clause 15.1.1 is amended by replacing it with: No Clause Clause 15.1.2 is amended by replacing it with: The security selected in tems of 14.0 Clause 15.1 is amended by the addition of the following clause: 15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) calendar days of commencement date Clause 15.2.1 is amended by replacing it with the following clause: Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.2 and 15.1.4 Fixed: _____ Value related: _____ Time related: _____			
25	A16 ACCESS TO THE WORKS Clause 16.0 Fixed: _____ Value related: _____ Time related: _____	Item		
26	A17 CONTRACT INSTRUCTIONS Clause 17.0 Clause 17.1.11 is amended by deleting the words "and the appointment of nominated and selected subcontractors " Fixed: _____ Value related: _____ Time related: _____	Item		
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27	A18 SETTING OUT OF THE WORKS Clause 18.0 Fixed: _____ Value related: _____ Time related: _____	Item		
28	A19 ASSIGNMENT Clause 19.0 Fixed: _____ Value related: _____ Time related: _____	Item		
29	A20 NOMINATED SUB-CONTRACTORS Clause 20.0 Clause 20.1.3 is amended by replacing it with the following: No Clause Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums Fixed: _____ Value related: _____ Time related: _____	Item		
30	A21 SELECTED SUBCONTRACTORS Clause 21.0 Clause 21 is amended by replacing it with: No Clause Fixed: _____ Value related: _____ Time related: _____	Item		
31	A22 EMPLOYER'S DIRECT CONTRACTORS Clause 22.0 Fixed: _____ Value related: _____ Time related: _____	Item		
32	A23 CONTRACTOR'S DOMESTIC SUBCONTRACTORS Clause 23.0 Fixed: _____ Value related: _____ Time related: _____	Item		
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COMPLETION

33 **A24 PRACTICAL COMPLETION**

Clause 24.0

Fixed: _____ Value related: _____ Time
related: _____

Item

34 **A25 WORK'S COMPLETION**

Clause 25.0

Fixed: _____ Value related: _____ Time
related: _____

Item

35 **A26 FINAL COMPLETION**

Clause 26.0

Fixed: _____ Value related: _____ Time
related: _____

Item

36 **A27 LATENT DEFECTS LIABILITY PERIOD**

Clause 27.0

Fixed: _____ Value related: _____ Time
related: _____

Item

37 **A28 SECTIONAL COMPLETION**

Clause 28.0

Fixed: _____ Value related: _____ Time
related: _____

Item

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38	A29 REVISION OF DATE FOR PRACTICAL COMPLETION Clause 29.0 Clause 29.2.5 is amended by replacing it with: No clause Fixed: _____ Value related: _____ Time related: _____	Item		
39	A30 PENALTY FOR NON-COMPLETION Clause 30.0 Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>PAYMENT</u>			
40	A31 INTERIM PAYMENT TO THE CONTRACTOR Clause 31.0 Clause 31.5.2 is amended by replacing "14.7.1" with "14.0" Clause 31.8 is amended by replacing it with the following two alternative clauses: Alternative A 31.8(A) Where a security is selected in terms of 14.1; 14.5 or 14.6, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments: 31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion 31.8(A).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion			
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31.8(A).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6

31.8(A).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**

Alternative B

31.8(B) Where **security** is a payment reduction in terms of 14.7 the value of the **works** in terms of 31.4.1 and **materials and goods** in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:

31.8(B).1 Ninety per cent (90%) of such value in interim **payment certificates** issued up to the date of **practical completion**

31.8(B).2 Ninety-seven per cent (97%) of such value in interim **payment certificates** issued on the date of **practical completion** and up to but excluding the date of **final completion**

31.8(B).3 Ninety-nine per cent (99%) of such value in interim **payment certificates** issued on the date of **final completion** and up to but excluding the final **payment certificate** in terms of 34.6

31.8(B).4 One hundred per cent (100%) of such value in the final **payment certificate** in terms of 34.6 except where the amount certified is in favour of the **employer**. In such an event the payment reduction shall remain at the adjustment level applicable to the final **payment certificate**

Clause 31.12 is amended by deleting the following:

Payment shall be subject to the **employer** giving the **contractor** a tax invoice for the amount due

Fixed: _____ Value related: _____ Time related: _____

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41	A32 ADJUSTMENT TO THE CONTRACT VALUE Clause 32.0 Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence: "due to no fault of the contractor " Fixed:_____ Value related:_____ Time related:_____	Item		
42	A33 RECOVERY OF EXPENSE AND LOSS Fixed:_____ Value related:_____ Time related:_____			
43	A34 FINAL ACCOUNT AND FINAL PAYMENT Clause 34.0 Clause 34.1 is amended by removing "#" next to 34.1 Clause 34.2 is amended by inserting "#" next to 34.2 Clause 34.8 is amended by deleting the words "where security as a fixed construction guarantee in terms of 14.4 has been selected or where payment reduction has been applied in terms of 14.7.1" Clause 34.13 is amended by replacing "seven (7) calendar days " with "twenty-one (21) calendar days " and deleting the words "subject to the employer giving the contractor a tax invoice for the amount due" Fixed:_____ Value related:_____ Time related:_____	Item		
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45	A37 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE Clause 37.0 Clause 37.3.5 is amended by replacing "ninety (90)" with "one -hundred and twenty (120)" Clause 37.0 is amended by the addition of the following clause: 37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor ; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site . The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever Fixed:_____ Value related:_____ Time related:_____	Item		
46	A38 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT Clause 38.0 Clause 38.5.4 is amended by replacing "ninety (90)" with "one hundred and twenty (120)" Clause 38.0 is amended by the addition of the following clause: 38.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor ; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site . The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever Fixed:_____ Value related:_____ Time related:_____	Item		
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47	A39 CANCELLATION - CESSATON OF THE WORKS Clause 39.0 Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one hundred and twenty (120) working days of completion of such a report" Fixed:_____ Value related:_____ Time related:_____	Item		
48	A40 DISPUTE SETTLEMENT Clause 40.0 Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years" Clause 40.6 is amended by removing the reference to: No clause Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following: Whether or not mediation resolves the dispute, the parties shall bear their own cost concerning the mediation and equally share the costs of the mediator and related costs Fixed:_____ Value related:_____ Time related:_____	Item		
	<u>SUBSTITUTE PROVISIONS</u>			
49	A41 STATE CLAUSES Clause 41.0 Fixed:_____ Value related:_____ Time related:_____	Item		
	<u>CONTRACT VARIABLES</u>			
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THE SCHEDULE (DPW-04EC)

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

50 Pre-tender information (clause 42.0)

Tenderers are referred to the Contract Data DPW-04(EC) for variables pertaining to this contract

Fixed: _____ Value related: _____ Time related: _____

Item

51 **42.1 CONTRACTING AND OTHER PARTIES**

42.1.1

Employer: Department of Health
North West Province

Postal address:

Code: 2735

Tel: 018

Fax:

E-mail

Physical:
Address:

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42.1.2			
Principal Agent:	Kgabagare Engineering Consultants		
Postal address:	P. O. Box 3545		
Code:	2735		
Tel:	018 384 0764		
Fax:	086 684 8867		
E-mail	info@kgabagare.co.za		
Physical: Address:	3793 Lisa & Crescent Street Unit 12, Mmabatho 2735		
42.1.3			
Architects:	Kgabagare Engineering Consultants		
Postal address:	P. O. Box 3545		
Code:	2735		
Tel:	018 384 0764		
Fax:	086 684 8867		
E-mail	info@kgabagare.co.za		
Physical: Address:	3793 Lisa & Crescent Street Unit 12, Mmabatho 2735		
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Brought Forward	R	
42.1.4 Agents service: Quantity Surveyor Agent (2): Kgabagare Engineering Consultants Postal address: P. O. Box 3545 Code: 2735 Tel: 018 384 0764 Fax: 086 684 8867 E-mail info@kgabagare.co.za Physical Address: 3793 Lisa & Crescent Street Unit 12, Mmabatho 2735		
42.1.5 Agents service: Structural & Civil Engineer Agent (3): Kgabagare Engineering Consultants Postal address: P. O. Box 3545 Code: 2735 Tel: 018 384 0764 Fax: 086 684 8867 E-mail info@kgabagare.co.za Physical: 3793 Lisa & Crescent Street		
Carried Forward	R	
Section No. 1 Bill No. 1 Preliminaries		

**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward		R	
42.1.6				
Agents service:	Electrical Engineer			
Agent (4):	Kgabagare Engineering Consultants			
Postal address:	P. O. Box 3545			
Code:	2735			
Tel:	018 384 0764			
Fax:	086 684 8867			
E-mail	info@kgabagare.co.za			
Physical:	3793 Lisa & Crescent Street			
42.1.7				
Agents service:	Mechanical Engineer			
Agent (4)	Kgabagare Engineering Consultants			
Postal address:	P. O. Box 3545			
Code:	2735			
Tel:	018 384 0764			
Fax:	086 684 8867			
E-mail	info@kgabagare.co.za			
Physical:	3793 Lisa & Crescent Street			
52	42.2 CONTRACT DETAILS			
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward	R	
<p>42.2.1 Works Description:</p> <p>The works comprise Renovations and Additions at Sesobe Clinic and associated external works.</p> <p>Site works comprise a paved parking area, drive way and painting of existing palisade fence.</p> <p>42.2.2 Site Description:</p> <p>The site is located at Sesobe Village, in Moses Kotane Sub-District. The site is freely accessible.</p> <p>42.2.3 Work or installations by direct contractors:</p> <p>N/A</p> <p>41.2.4 Specific options that are applicable to a State organ only</p> <p>Where so:</p> <p>(1) Legislation applicable to the interest rate In terms of the Prescribed Rate of Interest Act 55 of 1975</p> <p align="right">NO</p> <p>(2) Lateral support insurance will be effected by the contractor</p> <p align="right">YES</p> <p>(3) Payment will be made for material and goods</p> <p align="right">YES</p> <p>(4) Dispute resolution by litigation</p> <p align="right">YES</p> <p>(5) Extended defect liability period applicable to the following elements:</p> <p align="right">N/A</p> <p>42.2.5 Date on which possession of the site is intended to be given:</p> <p align="right">TBA</p>		
Carried Forward	R	
<p>Section No. 1</p> <p>Bill No. 1</p> <p>Preliminaries</p>		

	Brought Forward	R	
	42.2.6 Period for the commencement of the works after the contractor takes possession of the site		
	1 (One) working day		
	42.2.7 For the works as a whole . Intended date of practical completion and the penalty per calendar day		
	<i>10 (Ten) calendar months after the date of handing over of the site</i>		
	R 5 000 Penalty Amount		
	42.2.8 For the works in sections : Intended date of practical completion and the penalty per calendar day N/A		
	42.2.9 The law applicable to this agreement shall be that of		
	The Republic of South Africa		
53	42.3 INSURANCES		
	42.3.1 Contract works insurance to be effected by: Refer to clause 13		
	Refer to clause 13 (State Provisions)		
	42.3.2 Supplementary insurance is required		
	No		
	42.3.3 Public liability insurance to be effected by:		
	Contractor:		
	For the Sum of : R 1 000 000,00		
	With a deductible of: R 5 000,00		
54	42.4 DOCUMENTS		
	Carried Forward	R	
	Section No. 1		
	Bill No. 1		
	Preliminaries		

Proposed Renovations and Additions
at Sesobe Clinic

<p style="text-align: right;">Brought Forward</p> <p>42.4.1 Waivers of contractors lien or right of continuing possession is required</p> <p style="text-align: right;">Yes</p> <p>42.4.2 Number of construction document copies to be supplied to the contractor free of charge:</p> <p style="text-align: right;">3 (Three) Number of</p> <p>42.4.3 Bills of Quantities/Lump sum document schedule of rates drawn up in accordance with:</p> <p>The Standard System of Measuring Building Work</p> <p>42.4.4 On acceptance of the tender the bills of quantities/lump sum document is to be submitted within working days</p> <p style="text-align: right;">10 (Ten) Number of</p> <p>42.4.5 JBCC Engineering General Conditions are to be included in the contract documents:</p> <p style="text-align: right;">No</p> <p>42.4.6 The contract value is to be adjusted using escalation adjustment indices</p> <p style="text-align: right;">YES</p> <p>Where JBCC CPAP is to be used Base Month The month in which the client accepts bids</p> <p>42.4.7 Details of changes made to the provision of JBCC standard documentation:</p> <p>N/A</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
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Proposed Renovations and Additions
at Sesobe Clinic

Brought Forward

R

SECTION B: JBCC PRELIMINARIES

DEFINITIONS AND INTERPRETATION

55 ***1.0 Definitions and interpretation***

See also clause A10.0 of Section A for additional and/or amended definitions which shall apply equally to this section

Fixed: _____ Value related: _____ Time related: _____

Item

DOCUMENTS

56 ***2.1 Checking of documents***

Fixed: _____ Value related: _____ Time related: _____

Item

57 ***2.2 Provisional bills of quantities***

Fixed: _____ Value related: _____ Time related: _____

Item

58 ***2.3 Availability of construction documentation***

Fixed: _____ Value related: _____ Time related: _____

Item

59 ***2.4 Interests of agents***

Fixed: _____ Value related: _____ Time related: _____

Item

60 ***2.5 Priced documents***

Fixed: _____ Value related: _____ Time related: _____

Item

Carried Forward

R

Section No. 1
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**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward		R	
61	2.6 Tender submission Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance DPW-07 (EC)" Fixed: _____ Value related: _____ Time related: _____ <u>THE SITE</u>	Item	
62	3.1 Defined works area Fixed: _____ Value related: _____ Time related: _____	Item	
63	3.2 Geotechnical investigation Fixed: _____ Value related: _____ Time related: _____	Item	
64	3.3 Inspection of the site Tenderers shall complete the Site Inspection Certificate included in the tender documents and return the same with the tender submission. Fixed: _____ Value related: _____ Time related: _____	Item	
65	3.4 Existing premises occupied Fixed: _____ Value related: _____ Time related: _____	Item	
66	3.5 Previous work - dimensional accuracy Fixed: _____ Value related: _____ Time related: _____	Item	
67	3.6 Previous work - defects Fixed: _____ Value related: _____ Time related: _____	N/A	
68	3.7 Services - known Fixed: _____ Value related: _____ Time related: _____	Item	
Carried Forward		R	
Section No. 1 Bill No. 1 Preliminaries			

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R	
69	3.8 Services - unknown			
	Fixed: _____ Value related: _____ Time related: _____	Item		
70	3.9 Protection of trees			
	Fixed: _____ Value related: _____ Time related: _____	Item		
71	3.10 Articles of value			
	Fixed: _____ Value related: _____ Time related: _____	Item		
72	3.11 Inspection of adjoining properties			
	Fixed: _____ Value related: _____ Time related: _____	Item		
<u>MANAGEMENT OF CONTRACT</u>				
73	4.1 Management of the works			
	Fixed: _____ Value related: _____ Time related: _____	Item		
74	4.2 Programme for the works			
	Fixed: _____ Value related: _____ Time related: _____	Item		
75	4.3 Progress meetings			
	Fixed: _____ Value related: _____ Time related: _____	Item		
76	4.4 Technical meetings			
	Fixed: _____ Value related: _____ Time related: _____	Item		
77	4.5 Labour and plant records			
	Fixed: _____ Value related: _____ Time related: _____	Item		
Carried Forward			R	
Section No. 1 Bill No. 1 Preliminaries				

Proposed Renovations and Additions
at Sesobe Clinic

	Brought Forward		R	
	<u>SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS</u>			
78	5.1 Samples of materials Fixed: _____ Value related: _____ Time related: _____	Item		
79	5.2 Workmanship samples Fixed: _____ Value related: _____ Time related: _____	Item		
80	5.3 Shop drawings Fixed: _____ Value related: _____ Time related: _____	Item		
81	5.4 Compliance with manufacturers' instructions Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>TEMPORARY WORKS AND PLANT</u>			
82	6.1 Deposits and fees Fixed: _____ Value related: _____ Time related: _____	Item		
83	6.2 Enclosure of the works Fixed: _____ Value related: _____ Time related: _____	Item		
84	6.3 Advertising Fixed: _____ Value related: _____ Time related: _____	Item		
85	6.4 Plant, equipment, sheds and offices Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

Proposed Renovations and Additions
at Sesobe Clinic

	Brought Forward		R	
86	6.5 Main notice board			
	Fixed: _____ Value related: _____ Time related: _____	Item		
87	6.6 Subcontractors' notice board			
	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>TEMPORARY SERVICES</u>			
88	7.1 Location			
	Fixed: _____ Value related: _____ Time related: _____	Item		
89	7.2 Water			
	Fixed: _____ Value related: _____ Time related: _____	Item		
90	7.3 Electricity			
	Fixed: _____ Value related: _____ Time related: _____	Item		
91	7.4 Telecommunication facilities			
	Fixed: _____ Value related: _____ Time related: _____	Item		
92	7.5 Ablution facilities			
	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>PRIME COST AMOUNTS</u>			
93	8.1 Responsibility for prime cost amounts			
	Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

Proposed Renovations and Additions
at Sesobe Clinic

	Brought Forward		R	
	<u>ATTENDANCE ON N/S SUBCONTRACTORS</u>			
94	9.1 General attendance			
	Fixed: _____ Value related: _____ Time related: _____	Item		
95	9.2 Special attendance			
	Fixed: _____ Value related: _____ Time related: _____	Item		
96	9.3 Commissioning - fuel, water and electricity			
	Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>FINANCIAL ASPECTS</u>			
97	10.1 Statutory taxes, duties and levies			
	Fixed: _____ Value related: _____ Time related: _____	Item		
98	10.2 Payment for preliminaries			
	Fixed: _____ Value related: _____ Time related: _____	Item		
99	10.3 Adjustment of preliminaries			
	Clauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site " with "when submitting his priced bills of quantities / lumpsum document "			
	Fixed: _____ Value related: _____ Time related: _____	Item		
100	10.4 Payment certificate cash flow			
	Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward		R	
101	10.5 Contractor's information supply Fixed: _____ Value related: _____ Time related: _____	Item		
	<u>GENERAL</u>			
102	11.1 Protection of the works Fixed: _____ Value related: _____ Time related: _____	Item		
103	11.2 Protection / isolation of existing / sectionally occupied works Fixed: _____ Value related: _____ Time related: _____	N/A		
104	11.3 Security of the works Fixed: _____ Value related: _____ Time related: _____	Item		
105	11.4 Notice before covering work Fixed: _____ Value related: _____ Time related: _____	Item		
106	11.5 Disturbance Fixed: _____ Value related: _____ Time related: _____	Item		
107	11.6 Environmental disturbance Fixed: _____ Value related: _____ Time related: _____	Item		
108	11.7 Works cleaning and clearing Fixed: _____ Value related: _____ Time related: _____	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

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Brought Forward

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SCHEDULE OF VARIABLES114 ***Schedule of Variables***Fixed: _____ Value related: _____ Time
related: _____

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

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

Item

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

NO

12.1.2 Availability of construction documentation**[2.3]** *Construction of documentation is complete*

YES

12.1.3 Interest of agents**[2.4]** Details: None**12.1.4 Defined works area****[3.1]** Details: Restrictions will be pointed out by the principal agent who will sign a written acknowledgement therefore before commencing operations**12.1.5 Geotechnical investigation****[3.2]** Details: No trial holes, soil investigations, etc., have been carried out

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**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward	R
<p>12.1.6 Existing premises occupied [3.4] Specific requirements: The site is within the existing Zeerust Hospital and adjacent to existing buildings, which will be in full operation during construction</p> <p>12.1.7 Previous work - dimensional accuracy [3.5] Details: No previous work</p> <p>12.1.8 Previous work - defects [3.6] Details: None</p> <p>12.1.9. Services - known [3.7] Details: Existing services and points of connection will be pointed out on site by the principal agent</p> <p>12.1.10 Protection of trees [3.9] Specific requirements: As indicated on the site layouts. Otherwise these will be pointed out by the principal agent</p> <p>12.1.11 Inspection of adjoining properties [3.11] Specific requirements: The contractor will make his own arrangements with owners of adjacent properties in order to execute the works</p> <p>12.1.12 Enclosure of the works [6.2] Specific requirements: Hoarding is measured elsewhere in these bills of quantities</p> <p>12.1.13 Offices [6.4.3] Specific requirements: The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times.</p>	
Carried Forward	R
<p>Section No. 1 Bill No. 1 Preliminaries</p>	

Proposed Renovations and Additions
at Sesobe Clinic

Brought Forward		R
12.1.14 Main notice board		
[6.5] Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering.		
12.1.15 Subcontractors' notice board		
[6.6] Specific requirements:	NO	
12.1.16 Water		
[7.2] Option A (by contractor)	YES	
Option B (by employer - free of charge)	NO	
Option C (by employer - metered)	NO	
12.1.17 Electricity		
[7.3] Option A (by contractor)	YES	
Option B (by employer - free of charge)	NO	
Option C (by employer - metered)	NO	
12.1.18 Telecommunications		
[7.4] Telephone	YES	
Facsimile	YES	
E-mail	YES	
Carried Forward		R
Section No. 1		
Bill No. 1		
Preliminaries		

Proposed Renovations and Additions
at Sesobe Clinic

<p style="text-align: right;">Brought Forward</p> <p>12.1.19 Ablution facilities [7.5] Option A (by contractor) YES Option B (by employer) NO</p> <p>12.1.20 Protection of existing/sectionally occupied works [11.2] Protection is required YES</p> <p>12.1.21 Special attendance [9.2] Subcontractor (1) details: Subcontractor (2) details: Subcontractor (3) details: Subcontractor (4) details</p> <p>12.1.22 Protection of works [11.1] Specific requirements: None</p> <p>12.1.23 Disturbance [11.5] Specific requirements: The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent</p> <p>12.1.24 Environmental disturbance [11.6] Specific requirements: None</p> <p>12.2 POST-TENDER INFORMATION</p> <p style="text-align: right;">Carried Forward</p> <p>Section No. 1 Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p> <hr/> <p style="text-align: center;">R</p>
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Proposed Renovations and Additions
at Sesobe Clinic

Brought Forward

R

SECTION C: SPECIFIC PRELIMINARIES

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

115 **C1 CONTRACT DRAWINGS**

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

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

Fixed: _____ Value related: _____

Time related: _____

Item

116 **C2 GENERAL PREAMBLES**

The document "Specification of Materials to be used (PW371)" is obtainable on request from the headoffice and all regional offices of the Dpartment, and shall be read in conjunction with the **bills of quantities / lumpsum document** and be referred to for the full descriptions of work to be done and materials to be used

Fixed: _____ Value related: _____

Time related: _____

Item

Carried Forward

R

Section No. 1
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**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward		R	
117	C3 TRADE NAMES Wherever a trade name for any product has been described in the bills of quantities , the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for Fixed: _____ Value related: _____ Time related: _____	Item		
118	C4 IMPORTED MATERIALS AND EQUIPMENT Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by the tenderer) Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable) Fixed _____ Value related _____ Time related _____	Item		
119	C5 VIEWING THE SITE IN SECURITY AREAS The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes Fixed _____ Value related _____ Time related _____	N/A		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward		R	
120	C6 COMMENCEMENT OF WORKS IN SECURITY AREAS As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works . Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be to the contractor's account Fixed_____ Value related_____ Time related_____	N/A		
121	C7 ENTRANCE PERMITS TO SECURITY AREAS As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the defence force, police or chief security officer Fixed_____ Value related_____ Time related_____	N/A		
122	C8 SECURITY CHECK OF PERSONNEL The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works Fixed_____ Value related_____ Time related_____	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward		R	
123	<p>C9 PROHIBITION ON TAKING OF PHOTOGRAPHS</p> <p>In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorised thereto by or behalf of the Minister</p> <p>The same prohibition is also applicable to all correctional institutions in terms of article 44.1 (e) of the Correctional Services Act 8 of 1959</p> <p>Fixed _____ Value related _____ Time related _____</p>	N/A		
124	<p>C10 HIV/AIDS AWARENESS</p> <p>It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained</p> <p>The contractor must take note that compliance with the HIV/AIDS specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatever nature, including interest, due to such delay of payment.</p> <p>Fixed _____ Value related _____ Time related _____</p>	Item		
	Carried Forward		R	
	<p>Section No. 1 Bill No. 1 Preliminaries</p>			

**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward		R	
125	C10.1 AWARENESS CHAMPION Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification Fixed_____ Value related_____ Time related_____	Item		
126	C10.2 AWARENESS WORKSHOPS Selection and appointment of a competent Service Provider aproved by the principal agent , provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification Fixed_____ Value related_____ Time related_____	Item		
127	C10.3 POSTERS, BOOKLETS, VIDEOS, ETC Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period , all in accordance with the HIV/AIDS Specification Fixed_____ Value related_____ Time related_____	Item		
128	C10.4 ACCESS TO CONDOMS Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period , all in accordance with the HIV/AIDS Specification Fixed_____ Value related_____ Time related_____	Item		
	Carried Forward		R	
	Section No. 1 Bill No. 1 Preliminaries			

**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward		R	
129	C10.5 MONITORING Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification Fixed_____ Value related_____ Time related_____	Item		
130	C11 OCCUPATIONAL HEALTH AND SAFETY ACT The contractor shall comply with all the requirements set out in the Construction Regulations, 2003 and any other Regulation(s) issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993) or any other approved Act . It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document . The contractor must take note that compliance with the occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent , notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatever nature, including interest, due to such delay of payment. Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained Fixed_____ Value related_____ Time related_____	Item		
	Carried to Final Summary		R	
	Section No. 1 Bill No. 1 Preliminaries			

Carried Forward

**Proposed Renovations and Additions
at Sesobe Clinic**

<p style="text-align: right;">Brought Forward</p> <p>Any water supply and other piping that may be encountered and which is found necessary to disconnect or cut shall, after such disconnection or cutting has been authorised by the Representative/Agent, be effectively stopped off and any new connections that may be necessary made with the proper tees, junction pieces, etc. to the satisfaction of the Representative/Agent</p> <p>The Contractor shall afford every facility to workmen not under his control making disconnections and new connections as required to any services</p>		R	
<p style="text-align: right;">Carried Forward</p> <p>Section No. 2 Bill No. 1 Alterations (Provisional)</p>		R	

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward	R	
<p><u>MATERIALS FROM THE ALTERATIONS, CREDIT, ETC.</u></p> <p>OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR</p> <p>Old materials from alterations, except where described as to be "re-used" or "handed over" become the property of the Contractor who may allow credit for same where provided for in these Bills of Quantities</p> <p>OLD MATERIALS TO BE CARTED AWAY</p> <p>Old materials from the alterations, where described as to be "removed" as well as all rubbish, etc. must be regularly carted from the site and not be allowed to accumulate on or around the site</p> <p>OLD MATERIALS NOT TO BE RE-USED</p> <p>None of the old materials are to be used for new work except where specifically described as being "set aside for re-use"</p> <p>HANDING OVER OF MATERIALS</p> <p>Where certain materials or articles from alterations are described as to be "handed over" to the Representative/Agent, such material or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor</p>		
Carried Forward	R	
<p>Section No. 2 Bill No. 1 Alterations (Provisional)</p>		

**Proposed Renovations and Additions
at Sesobe Clinic**

<p style="text-align: right;">Brought Forward</p> <p><u>EXISTING BUILDINGS</u></p> <p>The existing buildings will be in use and occupied during the progress of the contract and the Contractor will be required to carry out the works in such a manner as will least interfere with the occupants and with the minimum of disturbance</p> <p>Contractors are also to note that due to the buildings being occupied the repairs and renovations works will be required to be executed in a specific order as will be determined by the Representative/Agent in conjunction with the Airforce Base Authorities</p> <p><u>SIZE PERTAINING TO EXISTING WORK</u></p> <p>The Contractor is advised to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the correctness of sizes of all new work</p> <p>All sizes given in relation to existing work are approximate</p> <p><u>MAKING GOOD DAMAGED WORK</u></p> <p>The Contractor shall make good in all trades to existing work where damaged or disturbed through the alterations with all necessary new materials to match the existing</p> <p><u>FORMING NEW OPENINGS OR ALTERING OPENINGS IN EXISTING WALLS</u></p> <p>Descriptions of forming new openings or altering openings in existing walls shall be deemed to include breaking out for and forming new brick, in-situ concrete or prestressed concrete lintels, including all reinforcement, formwork, turning pieces, etc., building up jumps or portion of openings as described with brickwork properly toothed and bonded to existing, building cavities of hollow walls solid where necessary and making good finishes all round on both sides and into reveals as described</p>	<p style="text-align: center;">R</p>
<p style="text-align: right;">Carried Forward</p> <p>Section No. 2 Bill No. 1 Alterations (Provisional)</p>	<p style="text-align: center;">R</p>

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward

R

BUILDING UP OPENINGS

Descriptions of building up existing openings where given in number shall be deemed to include preparing existing surfaces all around, brickwork properly toothed and bonded to existing, wedging up and making good on both sides as described

PAINTWORK

Where plasterwork on walls, ceilings, etc. are required to be patched or made good, prices are to include for the appropriate priming coat and one coat undercoat to receive paint finishing coats which are measured elsewhere

The contractor must protect all work not removed such as walls, floors, doors, windows, fittings, etc. from damage during the progress of the work and provide all necessary materials for doing so.

All shoring, etc. of portions of the existing buildings necessary to ensure the stability of the premises while executing the demolitions or alterations is to be provided by the contractor, who will be held solely responsible for any damage to persons or property and for safety of the structure throughout the contract period. The contractor will be required to make good at his own expense any damage that may occur.

Tenderers are advised to visit the site before tendering and satisfy themselves as to the nature and extent of the works, means of access to the site and availability of working space. No claims will be entertained due to the tenderer having failed to comply with the above conditions.

The descriptions in the items are given as a guide and to assist contractors in tendering, but not necessarily accurate or complete. Contractors must verify the items by personal inspection on the site.

Unless otherwise stated the contractor shall not remove or interfere with any furniture, furnishings, fittings or similar articles belonging to the Employer and /or their staff.

Carried Forward

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Section No. 2
Bill No. 1
Alterations (Provisional)

Proposed Renovations and Additions
at Sesobe Clinic

Brought Forward

R

PROCEDURE OF WORK

The Representative/Agent reserves the right to direct the order in which the contract will be executed, should circumstances necessitate such action.

LOSS BY THEFT, FIRE OR OTHERWISE

The risk of loss, theft, fire, storm, riot or otherwise of the buildings to be demolished and the materials therein shall rest entirely with the contractor immediately upon the handing over of the site. He shall take such steps as he may deem fit for his own protection against such loss.

Water and other piping

Any water supply or other piping that may be met with and found necessary to disconnect or cut are to be effectually stopped off or grubbed up and removed and any new connections that may be necessary and are to be made with proper fittings and to the satisfaction of the Architect to whom due notice is to be given regarding all alterations to existing services.

Prices for items of demolitions, are where applicable, to include for taking out and removing all sanitary fittings, plumbing and water supplies.

Electrical and other services

Special care is to be exercised not to unnecessarily interfere with any electric light, bell, power, telephone or other wires and fittings that may be met with and due notice must be given to the Architect when any disconnections, removals, diversions, interruptions, etc. are necessary and the contractor is to afford every facility to the workmen carrying out this work.

Carried Forward

R

Section No. 2
Bill No. 1
Alterations (Provisional)

**Proposed Renovations and Additions
at Sesobe Clinic**

<p style="text-align: center;">Brought Forward</p> <p>The contractor must protect all work not removed such as walls, floors, doors, windows, fittings, etc. from damage during the progress of the work and provide all necessary materials for doing so.</p> <p>All shoring, etc. of portions of the existing buildings necessary to ensure the stability of the premises while executing the demolitions or alterations is to be provided by the contractor, who will be held solely responsible for any damage to persons or property and for safety of the structure throughout the contract period. The contractor will be required to make good at his own expense any damage that may occur.</p> <p><u>Existing buildings occupied</u></p> <p>Tenderers are advised that the existing buildings will be in occupation during the building operations and due allowance must be made for the work being carried out in such a manner as will least interfere with the general routine of the occupants.</p> <p>Adequate warning must be given if a particular section of the building has to be evacuated to carry out the work.</p> <p><u>Noise prevention</u></p> <p>The contractor shall take special care to minimise noisy operations during business hours. Such measures will include, inter alia, the use of silent compressors and strict control of workmen.</p>	<p style="text-align: center;">R</p>
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 1 Alterations (Provisional)</p>	<p style="text-align: center;">R</p>

**Proposed Renovations and Additions
at Sesobe Clinic**

<p style="text-align: center;">Brought Forward</p> <p>The contractor shall demolish the portions of existing structures or buildings with a minimum amount of damage to adjoining buildings, materials, pavings, etc. Any damage caused is to be made good at his own expense with materials to match the existing to the entire satisfaction of the Architect.</p> <p>Tenderers should take particular note of and allow accordingly in their prices for the type of structure and materials to be encountered and the thickness of walls, concrete slabs, etc. to be demolished.</p> <p>Unless otherwise described all materials arising from the demolitions and alterations are to become the property of the contractor and he is to allow a credit for the same as provided for on the final summary page. These materials, including all rubbish and debris shall be immediately carted away and the site left clean and unencumbered. None of the old brick from the demolitions are to be re-used for any new brickwork.</p>	<p style="text-align: center;">R</p>
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 1 Alterations (Provisional)</p>	<p style="text-align: center;">R</p>

Proposed Renovations and Additions
at Sesobe Clinic

<p style="text-align: center;">Brought Forward</p> <p><u>Bricking up, altering or breaking new opening in existing walls</u></p> <p>Where the Contractor is required to form openings, alter openings or brick up openings in existing walls all brickwork shall be made good at jambs including properly bonding to existing. Brickwork in bricking up openings shall be wedged and pinned up to brickwork or concrete over in cement mortar.</p> <p>Cement screeds, pavings, granolithic, etc. in openings are to be levelled and prepared for raising of brickwork. Plaster to reveals to openings are to have all external angles rounded and making good of finishes is to include for junction with existing finishes.</p> <p>Where openings are described as having new brick lintols they are to be with minimum 220mm end bearings and prices are to include for brick reinforcement to suit the width of the wall. Lintols are to be three courses high up to span of 1000mm and four courses high up to span of 1000mm and four courses high when exceeding that span and brickwork is to be built in 1:3 cement mortar. Where openings are described as having precast prestressed concrete lintols they are to be with minimum 220mm end bearings of 30 MPa concrete. One prestressed lintol for each half brick thickness is required and is to be reinforced with and including all necessary high tensile wire.</p> <p><u>Making good, etc.</u></p> <p>Prices are to include for making good in all trades to existing work, where damaged or disturbed through alterations, with all necessary new materials to match existing and leave complete and perfect in every respect.</p> <p><u>Hazardous materials:</u></p> <p>Demolitions of buildings, services, external works, site services, etc are to include for the safe removal and disposal of <u>asbestos or asbestos products or other hazardous materials</u> by approved Registered Specialists</p> <p><u>REMOVAL OF EXISTING WORK</u></p>	<p style="text-align: center;">R</p>
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 1 Alterations (Provisional)</p>	<p style="text-align: center;">R</p>

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R
<u>Breaking down and removing brickwork etc</u>			
2	Brick column	m3	1
3	One brick wall	m2	15
<u>Taking up and removing vinyl floor coverings, carpeting, etc</u>			
4	Vinyl sheet floor covering with welded joints including preparing screed for new vinyl floor covering	m2	59
<u>Hacking up/off and removing ceramic tile floor and walls including removing mortar bed or backing and preparing concrete or brick surfaces with new screed, plaster for tile finishes</u>			
5	Tiles to floors	m2	32
6	Wall tiles	m2	109
<u>Taking down and removing roofs, e.t.c</u>			
7	Existing steel Gutter/down pipes 300mm wide x 450mm deep and cart away to a dumping site to be identified by the Contractor	m	202
8	Carefully take out and remove existing corrugated roofing sheet	m2	12
<u>Inspection, Taking down, removing, repairing or fixing ceilings, e.t.c</u>			
9	Remove damaged portions of existing suspended ceiling and replace with new to match the existing	m2	25
<u>Taking out and removing doors, windows, etc</u>			
10	Timber single door 813 x 2032mm from frame	No	24
11	Timber double door and frame exceeding 2.5m2 and not exceeding 3.5m2	No	7
Carried Forward			R
Section No. 2 Bill No. 1 Alterations (Provisional)			

**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward			R	
	<u>Taking out and removing glass and mirrors</u>				
12	Carefully remove cracked or broken glazing in panes exceeding 2m2 and not exceeding 4m2 in existing metal windows and doors including scraping out putty on reveals and prepare windows and or doors to receive new glazing (New glazing elsewhere measured)	m2	20		
	<u>PREPARATORY WORK TO EXISTING SURFACES</u>				
	<u>Scabble existing surface of plastered wall by scraping, sanding or other suitable means and prepare surface to receive new painting (painting elsewhere measured)</u>				
13	Sanding down surfaces of existing painted plastered walls to receive paint, scrape out loose or flaky paint, apply filler to cavities, rake out cracks to 45 degrees and refill with plaster	m2	1 362		
	<u>Making good cracks not exceeding 5mm wide to internal one coat cement plaster by scratching out all loose cement plaster and stopping with "Mendall 90" or other equal and approved adhesive crack filler and sanding down to an even smooth surface</u>				
14	Cracks in walls	m	25		
	<u>Inspecting existing roof structures/coverings for leaks and seal in accordance with the manufacturer's specifications to a five year period guarantee; replace loose roof nails with longer crest roof fasteners</u>				
15	Carefully inspect and seal all leakages on galvanised iron roof coverings prepare roof to receive new paint (elsewhere)	m2	751		
	<u>Service all window frames to ensure a perfect fit and smooth opening action for hinges, window catches, sliding devices, etc., the cleaning of brass elements with a brass polish to restore colour, replace if necessary and leave in good working condition</u>				
16	Steel windows		Item		
	Carried Forward			R	
	Section No. 2 Bill No. 1 Alterations (Provisional)				

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R	
	<u>Carefully remove cracked putty from steel windows, clean rebates and replace with new putty</u>			
17	Putty in steel windows	m	68	
	<u>Suspended ceilings</u>			
18	Carefully inspect existing suspended ceilings, repair and fix properly as per Architect's instructions.	m2	458	
	<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>			
19	Wash hand basin	No	11	
20	WC pan with cistern	No	6	
21	Bath tub	No	1	
22	Shower rose, etc	No	1	
23	Allow a budget allowance of R 100 000.00 for omitted items			
		Item		100 000.00
Carried Forward to Summary of Section No. 2			R	
Section No. 2				
Bill No. 1				
Alterations (Provisional)				

**Proposed Renovations and Additions
at Sesobe Clinic**

Item No		Quantity	Rate	Amount
	<u>BILL NO.2</u>			
	<u>EARTHWORKS, ETC.</u>			
	<u>FOUNDATIONS (PROVISIONAL)</u>			
	<u>(CPAP WORK GROUP NO. UNLESS OTHERWISE STATED)</u>			
	For preambles see "Model Preambles for Trades"			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Carting away of excavated material</u>			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site and for bulking.			
	<u>Filling</u>			
	Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material.			
	<u>NOTE:</u> All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density.			
	Descriptions of excavations shall be deemed to include for setting aside surplus excavated material in spoil heaps for use as filling or for depositing within 150m of the perimeter of the excavations and spreading and roughly levelling as directed, as well as for increase in bulk and multiple handling of excavated material caused by the contractor's method of operation.			
	<u>NOTE:</u> Working space for formwork to sides of all concrete, except columns, shall be measured only where the concrete face is less than 750mm from the face of the measured excavations.			
	Working space for formwork to sides of columns shall be measured for the width of the column face only where			
	Carried Forward		R	
	Section No. 2 Bill No. 2 Earthworks (Provisional)			

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R	
both:				
a)The top of the column base is more than 1500mm below the commencing level of the excavations and				
b)The column face is less than 500mm from the face of the measured excavations.				
No claim shall be considered for any working space for formwork to concrete other than as above described or for working space beyond the sides of trench excavations for building of brick or block walls.				
Descriptions of excavations for working space shall be deemed to include for any additional risk of collapse so incurred and for returning and compacting of the excavated material as described.				
<u>EXCAVATIONS</u>				
<u>Excavate in earth not exceeding 2 m deep below reduced or filled up ground level for</u>				
1	Surface trenches.	m3	24	
2	Column Bases	m3	7	
<u>Extra over trench and hole excavations for excavation in:</u>				
3	Soft rock	m3	3	
4	Hard rock	m3	2	
<u>Extra over all excavations for carting away</u>				
5	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	11	
<u>Risk of collapse of excavations</u>				
6	Side of trench and hole excavations from natural, elevated or reduced ground level not exceeding 1500mm deep	m2	68	
Carried Forward			R	
Section No. 2				
Bill No. 2				
Earthworks (Provisional)				

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R
	<u>Keeping excavations free of water</u>		
7	Allow for keeping all excavation free of water and mud	Item	
	<u>FILLING, ETC:</u>		
	<u>Imported G5 material supplied by the contractor</u>		
8	Backfilling to trenches and holes compacted to 91% modified AASHTO density	m3	13
9	Under solid floors, steps, etc in layers of 150mm and compacted to 95% modified AASTO density	m3	7
	<u>River sand filling supplied by the contractor</u>		
10	50mm Thick dry, clean, washed river sand layer evenly spread over filling (elsewhere), levelled watered and rammed to receive water proof membrane (elsewhere) under solid floors	m2	23
	<u>Compaction of surfaces</u>		
11	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	23
	<u>COMPACTION TESTS</u>		
12	Tests to determine the degree of compaction, etc of ground or filling	No	5
	<u>PROTECTION AGAINST TERMITES</u>		
13	Poisoning surface of ground to sides and bottom of trenches, bases, etc	m2	78
14	Poisoning surface of ground or filling under floors, steps, etc. including raking out 75mm deep V-shaped channels against the wall, etc treated with poison solution, backfilling and ramming	m2	23
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 2			
Earthworks (Provisional)			

**Proposed Renovations and Additions
at Sesobe Clinic**

Item No	Quantity	Rate	Amount
<u>BILL NO 3</u>			
<u>CONCRETE, FORMWORK AND REINFORCEMENT (PROVISIONAL)</u>			
<u>(CPAP WORK GROUP NO. 110 UNLESS OTHERWISE STATED)</u>			
For preambles see "Model Preambles for Trades"			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. Items, materials or methods of similar quality may be used with prior approval from the principal agent.			
Cost of tests			
The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor and to the approval of the principal agent. (Test cubes are measured separately)			
Formwork Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.			
Carried Forward			R
Section No. 2 Bill No. 3 Concrete, Formwork & Reinforcement			

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R	
Formwork to soffits of (solid) slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described				
Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"				
<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
<u>15MPa/19mm concrete</u>				
1	Aprons cast in panels	m3	20	
<u>REINFORCED CONCRETE</u>				
<u>25MPa/19mm concrete</u>				
2	Surface beds cast over waterproofing membrane (elsewhere)	m3	3	
3	Strip footings	m3	7	
4	Column bases	m3	0.4	
<u>TEST CUBES</u>				
5	Making and testing 150 x 150 x 150mm concrete strength test cubes (Provisional)	No	5	
<u>CONCRETE SUNDRIES</u>				
6	Finishing top surfaces of concrete smooth with a wood float including additional dry sand/cement mixture as necessary whilst the concrete is still wet	m2	23	
<u>FORMWORK</u>				
<u>(CPAP WORK GROUP NO. 111)</u>				
Carried Forward			R	
Section No. 2				
Bill No. 3				
Concrete, Formwork & Reinforcement				

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R
<u>Rough formwork to</u>			
7	Sides of strip footings, etc	m2	22
<u>MOVEMENT JOINTS ETC</u>			
<u>Expansion joints with softboard between vertical concrete and brick surfaces</u>			
8	Movement joint not exceeding 300mm high formed of 12mm bitumen impregnated softboard placed vertically in position between concrete surface bed and brick walls, etc including raking out top section 20mm deep and filling with polysulphide sealant	m	45
<u>Saw cut joints</u>			
9	12mm Wide x 50mm deep saw cut joints in top of concrete filled with polyurethane chord and 6mm deep polysulphide sealant	m	10
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>Mild steel reinforcement to concrete work</u>			
10	10mm Diameter bars	t	0.18
11	8mm Diameter bars	t	0.15
<u>Fabric reinforcement</u>			
12	Allow for mild steel spacer stools bent to code 83 for spacing fabric reinforcement 240mm between top and bottom layers in strip foundations at 500mm centres		Item
13	Type 395 fabric reinforcement in concrete strip footings, etc	m2	23
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 3			
Concrete, Formwork & Reinforcement			

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Proposed Renovations and Additions
at Sesobe Clinic

Brought Forward			R
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class i mortar</u>			
1	Piers	m3	1
2	One brickwalls.	m2	33
<u>FACE BRICKWORK</u>			
<u>External facing (PC R6000,00/1000 excluding VAT) pointed with square recessed horizontal and vertical joints</u>			
3	Extra over ordinary brickwork for face brickwork.	m2	16
4	Brick-on-edge margin course on top of one brick walls	m	35
<u>Brickwork reinforcement</u>			
5	150mm Wide brick reinforcement built in horizontally.	m	688
<u>SUPERSTRUCTURE</u>			
<u>Brickwork of NFP bricks in class II mortar</u>			
6	Piers	m3	4
7	One brick walls	m2	81
8	One brick walls above plate level	m2	15
<u>FACE BRICKWORK</u>			
<u>External facing (PC R6000,00/1000 excluding vat) pointed with square recessed horizontal and vertical joints</u>			
9	Extra over ordinary brickwork for face brickwork	m2	74
10	Half brick walls in beam filling pointed one side	m2	14
<u>Internal facing (PC R6000,00/1000 excluding vat) pointed with square recessed horizontal and vertical joints</u>			
11	Half brick walls pointed both sides	m2	21
Carried Forward			R
Section No. 2 Bill No. 4 Masonry			

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R
12	Extra over ordinary brickwork for face brickwork	m2	128
	<u>Brick-on-edge header course copings, sills, etc of face bricks (PC R6000/1000 excluding vat) pointed with recessed joints on all exposed faces</u>		
13	Cut brick-on-edge coping	m	21
14	Brick-on-edge header course lintol pointed externally to soffit and face	m	14
15	Fair rake cutting	m	8
	<u>BRICKWORK SUNDRIES</u>		
	<u>Brickwork reinforcement</u>		
16	150mm Wide reinforcement built in horizontally	m	712
17	R8 Mild steel reinforcement cut to lengths and built into brick lintels	t	0.06
	<u>Galvanised hoop iron cramps, ties, etc</u>		
18	30 x 1,6mm Cramp 1000mm long with one end built four courses into brickwork as the work progresses and other end wrapped around and spiked to timber truss	No	22
	<u>Joint forming material in movement joints</u>		
19	20mm Fibre board 220mm wide built in vertically between surfaces of brickwork	m	8
20	Movement joint coverstrip formed of 80 x 3mm mild steel flat section holed along one side at 600mm centres for and bolted to brickwork with and including M6 x 70mm expansion bolts	m	8
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 4			
Masonry			

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**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward	R
<p><u>DESCRIPTIONS</u></p> <p>The term "planted on" shall mean the nailing of one timber member to another.</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another.</p> <p>The term "screwed on and pelleted" shall mean the screwing of one timber member to another with the heads of screws sunk and pelleted.</p> <p>The term "plugged" shall mean the countersunk screwing of a timber member to and including plastic plugs in brickwork or concrete.</p> <p>The term "plugged and pelleted" shall mean the screwing of a timber member to and including plastic plugs in brickwork or concrete with heads of screws sunk and pelleted.</p> <p>Descriptions of floors, ceilings, joinery, etc. shall be deemed to include for mitres, stopped ends, fitted intersections, etc.</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. shall be deemed to include for angles, ends, etc.</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish:</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p>	
Carried Forward	R
<p>Section No. 2 Bill No. 7 Carpentry and Joinery</p>	

Brought Forward

R

PLATE NAILED PREFABRICATED ROOF TRUSSES

The following is applicable in respect with roof trusses:

a) Trusses are at maximum 1200mm centres and constructed for a 25 degrees pitch unless otherwise stated. Roof covering is 0.6mm corrugated iron sheeting on 50 x 76mm purlins. Ceilings are of 6,4mm gypsum plasterboard sheeting on 38 x 38mm brandering, nailed directly below the trusses. The dimensions in the descriptions are nominal and actual measurements shall be obtained from the principal agent and/or the site before design or fabrication commences.

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

c) Unless otherwise described all rafter feet are to extend 500mm beyond the length of the tie beam on one side, and 610mm on the other side.

d) The design, manufacture and transportation of the roof trusses, bracing, etc. shall be under the control of a registered engineer in accordance with SABS 0243 and it shall be required from the manufacturer of the truss to lodge a written guarantee that his construction has been designed by a qualified structural engineer and that he is in possession of a capability certificate issued by the Institute for Timber Construction and approved by the Representative Agent.

e) The tenderer's attention is drawn to the fact that the detail drawings represent only the overall size and bearing points of the trusses and not the required design.

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

Carried Forward

R

Section No. 2
Bill No. 7
Capentry and Joinery

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R
	g) Descriptions of roof trusses shall be deemed to include for design, manufacture, supply, hoisting and fixing in position, trimming ends, notching, etc. and for temporary bracing.		
1	Roof construction to double pitched roof with two gable ends, 7 000 x 4 000mm and 2300mm high overall including trusses and permanent bracing (wall plates, purlins, etc. elsewhere)	No	1
	<u>SUNDRY ROOF TIMBERS</u>		
	<u>Sawn softwood grade 4</u>		
2	38 x 114mm Wall plates	m	71
3	38 x 114mm Wind bracing in lengths not exceeding 2,4m	m	53
4	38 x 228mm Gangboarding	m	29
5	50 x 76mm Purlins including additional timber support at spliced joints	m	437
6	38 x 76 x 150mm blocking piece	No	38
	<u>Wrot softwood grade 4</u>		
7	50 x 76mm Purlin	m	116
8	50 x 76mm Barge board support	m	24
9	76 x 76mm Splayed eaves purlin	m	58
	<u>ROOF SUNDRIES</u>		
10	"Hurricane clip" between truss and wind bracing, between truss and purlin, etc (Provisional)	No	526
11	Two coats wood preservative applied hot on sawn and wrought timbers	m2	50
	<u>EAVES, VERGES, ETC</u>		

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R	
	<u>"Everite FC77" pressed fibre cement</u>			
12	225 x 15mm Fascia and barge boards including galvanised steel H-profile jointing strips	m	14	
	<u>DOORS ETC</u>			
	<u>Wrought meranti doors hung to steel frames</u>			
13	44mm Framed batten double door 1 511 x 2 032mm high with rebated meeting stiles, each leaf of 44 x 146mm top rail and stiles, 22 x 146mm middle ledge and braces and 22 x 222mm bottom rail filled in with 22 mm V-jointed one side boarding and covered on other side with 3mm plywood with veneer to match door let into and including rebates all round including standard aluminium and rubber strip weather bar	No	2	
	<u>Solid flush doors with 3.2mm standard hardboard covering on both sides and with hardwood edge strips hung to steel frames</u>			
14	44mm Door 813 x 2 032mm high	No	26	
	<u>"Bitcon industries" fire doors with painted veneer</u>			
15	"Rubidor" class B fire door 900 x 2032mm high including double rebated pressed steel frame for one brick wall	No	9	
16	"Rubidor" Class B double door with rebated meeting edges, 1614 x 2032mm high including double rebated pressed steel frame for one brickwall	No	6	
	<u>CUPBOARDS</u>			
17	Allow a budget allowance of R200 000.00 for replacement of Cupboards in Kitchen, Laundry, etc		Item	200 000.00
	<u>SHELVING</u>			
18	Allow a budget allowance of R 150 000.00 for Shelving to existing Stores		Item	150 000.00
	Carried Forward to Summary of Section No. 2		R	
	Section No. 2			
	Bill No. 7			
	Capentry and Joinery			

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**Proposed Renovations and Additions
at Sesobe Clinic**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 9</u>			
	<u>FLOOR COVERINGS, PLASTIC LININGS, ETC</u>			
	Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Fixing</u>			
	Floor coverings, wall linings, etc. shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc.			

	<u>FLOOR COVERINGS</u>			
	<u>Supply and install 2.00mm thick x 2.00m wide XL PU Group M homogeneous & monolayer marbleised design vinyl sheeting manufactured in accordance with EN 649/ISO 10581 and laid in Polyflor approved acrylic adhesive which has been spread using an A2 notched trowel on a previously prepared Class 1 sub-floor with a 50mm below surface drilled moisture content reading of 75% RH in accordance with SANS 10070, using Polyflor approved self-levelling screed when required, 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, U-shape grooved 2/3rds thickness of the sheet and heat welded using the manufacturer's welding rod, maintenance according to the manufacturers maintenance programme</u>			
1	On floors	m2	116	
2	Margins with turn-ups over coves and up against walls 400mm girth	m	272	
3	Margins and borders 200mm wide	m	225	
4	Turn-ups over coves and up against walls 1500mm high including sealing into V-joint in internal plaster	m2	95	
	Carried Forward		R	
	Section No. 2 Bill No. 9 Floor Coverings			

Proposed Renovations and Additions
at Sesobe Clinic

Brought Forward				R
<u>SKIRTINGS, NOSINGS, ETC</u>				
<u>Vinyl accesories fixed in accordance with the manufacturer's instructions with approved acrylic adhesive</u>				
5	Cove fillet size 35mm wide x 35mm high	m	95	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 9				
Floor Coverings				

**Proposed Renovations and Additions
at Sesobe Clinic**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>IRONMONGERY</u>			
	Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<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			
1	Provide the prime cost amount of (R 150 000.00 One Hundred and Fifty Thousand Rands) for supplying and fixing of ironmongery including general interior signage as per Architect's specifications	Item		150 000.00
	<u>LOCKS</u>			
	<u>"Dorma"</u>			
2	"D032D/SS" Bathroom deadlock with "DWC-006/SS" disabled WC indicator and turnknob	No	1	
3	"DMWC/SS/008 - DWC-005" Bathroom dead lock with bathroom WC indicator and turn knob	No	5	
4	"D037D/SS" Cylinder dead lock	No	28	
5	"DMWC-SS-008" Bathroom dead lock	No	5	
	Carried Forward		R	
	Section No. 2			
	Bill No. 10			
	Ironmongery			

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R
<u>HANDLES AND ESCUTCHEONS</u>			
<u>"Dorma"</u>			
6	"DPH301C" Pull handle on "DHP-SS-BL" 152 x 300mm backplate with male/female fixing screws	No	2
7	"TH120BP" lever handle set on 170 x 170mm plate with cylinder cut out	Pairs	2
8	"DPH301B/SS" Straight tubular pull handle	Pairs	3
9	"DPH301C" 149 x 19mm pull handle with DCE-002 round cylinder escutcheon	No	1
<u>PUSH PLATES AND KICKING PLATES</u>			
<u>"Dorma"</u>			
10	"DPP-SS-CL" 1,2mm stainless steel push plate size 170 x 170mm high fixed to timber	No	28
11	"DKP-SS-200" 1,2mm Stainless steel kick plate size 813 x 200mm high fixed to timber	No	28
<u>DOOR CLOSERS</u>			
<u>"Dorma"</u>			
12	"TS91B/EN 3" Cam action slide channel non-hold open door closer	No	3
13	"TS73V/EN 2-4" Parallel arm delayed action door closer including parallel arm bracket	No	3
<u>LETTERS, NAMEPLATES, ETC</u>			
14	300 x 150mm High photoluminescent plate with "EXIT" signage with and including natural anodized aluminium frame, drilled and plugged	No	6
15	300 x 150mm High photoluminescent plate with "FIRE EXTINGUISHER" signage with and including natural anodized aluminium frame, drilled and plugged	No	6
Carried Forward			R
Section No. 2 Bill No. 10 Ironmongery			

**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward			R	
16	300 x 150mm High photoluminescent plate with "FIRE HOSE REEL" signage with and including natural anodized aluminium frame, drilled and plugged	No	6		
17	300 x 150mm High photoluminescent plate with "ESCAPE ROUTE - RIGHT" signage with and including natural anodized aluminium frame, drilled and plugged	No	5		
18	300 x 150mm High photoluminescent plate with "ESCAPE ROUTE - LEFT" signage with and including natural anodized aluminium frame, drilled and plugged	No	6		
19	300 x 150mm High photoluminescent plate with "ESCAPE ROUTE - DOWN" signage with and including natural anodized aluminium frame, drilled and plugged	No	6		
20	300 x 150mm High photoluminescent plate with "FIRE HYDRANT" signage with and including natural anodized aluminium frame, drilled and plugged	No	4		
21	300 x 300mm High photoluminescent plate with "FLAMMABLE LIQUIDS / NO SMOKING / NO FIRE" signage with and including natural anodized aluminium frame, drilled and plugged	No	4		
22	450 x 150mm High photoluminescent plate with "FIRE CABINET" signage with and including natural anodized aluminium frame, drilled and plugged	No	2		
	<u>"BATHROOM FITTINGS"</u>				
	<u>Supply and fix complete the following to masonry or concrete, etc</u>				
23	Surface Mounted "Franke" RODX 672 or equal and approved double toilet roll holder	No	5		
24	Surface mounted stainless steel waste bin	No	26		
25	Surface mounted stainless steel sanitary towel dispenser	No	5		
26	450 x 600mm Stainless steel mirrors fixed with CH dome capped mirror screws to plugs in brickwork or concrete.	No	5		
	Carried Forward			R	
	Section No. 2 Bill No. 10 Ironmongery				

Section No. 2
Bill No. 10
Ironmongery

**Proposed Renovations and Additions
at Sesobe Clinic**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 11</u>			
	<u>METALWORK</u>			
	Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Descriptions of bolts, anchors, etc.</u>			
	Descriptions of bolts shall be deemed to include nuts and washers			
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete			
	Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres			
	<u>Aluminium doors, windows, etc.</u>			
	Doors and windows shall comply with AAAMSA design criteria			
	Glazing shall comply with SAGGA regulations. Glass shall be laminated performance glass as shown on the window schedules/drawings appended to these bills of quantities. Glass thickness shall comply with SAGGA regulations irrespective of thicknesses shown on the schedules/drawings			
	Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed			
	For purpose-made windows and doors, refer to window and door schedules annexed to these bills of quantities :			
	N10-09-07/WD-500 rev 0 and N10-09-07/WD-510 rev 0			
	Carried Forward		R	
	Section No. 2 Bill No. 11 Metalwork			

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R	
The following certificates shall be provided prior to commencement of site work:				
1	A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product.			
2	A Certificate of Conformance confirming that anodizing or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively.			
3	A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process.			
4	A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked.			
5	A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years.			
<u>WELDED MILD STEEL</u>				
1	Allow the provisional amount of R 20 000.00 for welded mild steel supports for worktops, shelves, etc.	Item		4 500.00
<u>SECURITY GATES</u>				
<u>Steel security gates, screens, etc. installed complete including all subframes, bolts, expansion bolts, etc</u>				
2	Steel double security gate size 2000 x 2170mm including hinges.	No	4	
<u>PRESSED STEEL DOOR FRAMES</u>				
<u>1.2mm Hollow grooved frames suitable for one brick walls for swing doors</u>				
3	Frame for double door size 1611X2032mm high	No	6	
Carried Forward to Summary of Section No. 2			R	
Section No. 2				
Bill No. 11				
Metalwork				

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**Proposed Renovations and Additions
at Sesobe Clinic**

Item No		Quantity	Rate	Amount
	<u>BILL NO 14</u>			
	<u>PLUMBING AND DRAINAGE</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>"Polycop" polypropylene pipes:</u>			
	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			
	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			
	<u>"Polylink" polypropylene pipes:</u>			
	Polypropylene pipes 63mm diameter and over shall be class 12 pipes jointed with cast iron "Supraclamp" running joints			
	Fusion welded bends, once or twice mitred as necessary, and tees shall be factory manufactured			
	Fusion welded bends and tees shall include jointing to pipes with PVC rubber ring double Z joint couplers			
	Branch tees shall include flanged and bolted joints to "Polycop" branch pipes in addition and for brass compression male iron to copper straight couplers			
	Reducers shall include jointing to pipes with PVC rubber ring double Z joint couplers and 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			
	Carried Forward		R	
	Section No. 2 Bill No. 14 Plumbing and Drainage (Provisional)			

Proposed Renovations and Additions
at Sesobe Clinic

<p style="text-align: center;">Brought Forward</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:</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>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p><u>uPVC pipes and fittings:</u></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>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. 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 style="text-align: center;">R</p>
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 14 Plumbing and Drainage (Provisional)</p>	<p style="text-align: center;">R</p>

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward	R	
<p><u>Fixing of pipes</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><u>Lead pipes and fittings</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><u>Exposed concrete surfaces</u></p> <p>Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster</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>		
Carried Forward	R	
<p>Section No. 2 Bill No. 14 Plumbing and Drainage (Provisional)</p>		

Brought Forward

R

"Soft rock" and "hard rock" shall be as defined in "Earthworks"

Laying, backfilling, bedding, etc. of pipes

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

Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 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 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding

Flush pans

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

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

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

Waste unions

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

Steel sectional water tanks

Tanks shall comply with SABS CKS 114

"Densyl" petrolatum anti-corrosion tape as manufactured by Denso SA (Pty) Ltd.

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

Carried Forward

R

Section No. 2
Bill No. 14
Plumbing and Drainage (Provisional)

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R	
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				
<u>SANITARY FITTINGS</u>				
<u>Fix only removed sanitary fittings, etc including connecting pipes to fittings and making good floor and wall finishes</u>				
1	Stainless steel sink and drainer	No	6	
2	Wash hand basin	No	6	
3	Pedestal only	No	6	
<u>New Sanitary fittings, etc including connecting pipes to fittings and making good floor and wall finishes</u>				
4	Vaal Sanitaryware sola Medical 510 Vitreous china basin colour white or equal and approved (Code 703700), size 510 x 400mm including 32mm chrome plated standing overflow tube (Product code 8630Z0) fixed to wall on and including concealed wall brackets (code 8131Z2) and three 10mm bolts (code 844Z0) and sealed with silicone where basin meets wall	No	6	
5	"Hibiscus 772654" close coupled wc suite comprising pan with double flap heavy duty plastic seat and 6/3 litre dual flushing cistern	No	5	
6	Vaal Sanitaryware Vitreous China "Pearl Paraplegic" semi-close coupled 90 degrees outlet washdown pan with matching 9 litre cistern complete with lid, fittings and purpose made C.P. side-flush lever (left or right).	No	1	
7	Heavy duty shower fitting with adjustable spray handset with 5 spray actions and connector (to connect heavy duty shower fitting to concealed shower fitting) complete 15mm Concealed built in thermostatic shower valve with compression inlets, DZR body and elbows.	m	1	
Carried Forward			R	
Section No. 2 Bill No. 14 Plumbing and Drainage (Provisional)				

**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward			R
8	1. Walcro – or equal approved – vandal resistant taps BBD/15 15mm BSP high risk chrome basin/drinking wall spout with locking pins and 40mm spout length	No	6	
9	1. 480 lever HL 15mm BSP male connection, DZR brass, chromium plated lever pillar tap with 90DG ceramic cartridge and hot and cold configuration.	No	3	
10	15mm BSP built in with sleeve DZR brass shower metering valve with internal flow control, strainer, no-hold feature and water saving shut-off	No	1	
11	15mm BSP female, high risk, vandal resistant shower rose with rotational flow technology and internal strainer.	No	1	
12	Libra(Or equal approved) shower tray acrylic colour White, overall size 1000 x 1000mm, set on 1:5 cement mortar bedding and point all round with mildew resistant silicone between shower tray and tiles, all in accordance with the manufacturer's recommendations.	No	1	
	Carried Forward			R
Section No. 2 Bill No. 14 Plumbing and Drainage (Provisional)				

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R
13	<p>Franke Neptune Model NEX611 Grade 304 18/10 (Or equal approved) polished stainless steel double end bowl inset sink with right hand drainer (Code: 310074), overall size 860 x 510mm with one 360 x 420 x 200mm deep bowl, fitted onto cupboard (elsewhere specified) including 90mm waste fitting with overflow, (Inox cream tube), (plumbing kits) and (food waste disposal). Sink to include Billy Joystick Swivel mixer (Code: 303219) with overarm swivel spout and 15mm flexible connections.</p>	No	3
<u>WASTE UNIONS ETC</u>			
<u>New</u>			
14	32mm Bath overflow union	No	1
15	32mm Basin waste union	No	5
16	32mm waste union	No	5
17	38mm Bath or sink waste union	No	1
<u>TRAPS ETC</u>			
<u>Fix only removed or new sanitary fittings, etc including making good all finishes</u>			
<u>"Marley" or Similar approved</u>			
18	32mm Reseal "P" or "S" trap	No	5
19	40mm Bath trap complete with overflow outlet and pipe	No	1
20	40 x 300mm Sink combination for double bowl with deepseal "P" trap	No	6
Carried Forward			R
<p>Section No. 2 Bill No. 14 Plumbing and Drainage (Provisional)</p>			

**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward			R	
	<u>"Approved" Chromium plated</u>				
21	40mm Chrome plated Bottle trap	No	6		
	<u>Brass</u>				
22	Stopcock	No	3		
23	Fullway gate valve	No	4		
24	Bibcock with hose union	No	6		
25	Non-return valve	No	6		
	<u>"Cobra Watertech" or Similar approved</u>				
26	Chrome Plated angle regulating valve	No	8		
27	Chrome Plated stopcock	No	6		
28	Chrome Plated "Star" underwall pattern stopcock	No	6		
29	Fullway gate valve	No	4		
30	Bibcock	No	6		
31	Bibcock with hose union	No	5		
32	Chrome Plated bibcock	No	6		
33	Chrome Plated pillarcock	No	5		
34	Chrome Plated single taphole basin mixer	No	6		
35	Chrome Plated sink mixer	No	6		
36	Chrome Plated bath mixer with hand shower	No	1		
37	Chrome Plated shower mixer	No	1		
38	Chrome Plated bath spout	No	1		
39	Chrome Plated shower rose	No	1		
40	Chrome Plated overhead shower arm	No	1		
	Carried Forward			R	
	Section No. 2				
	Bill No. 14				
	Plumbing and Drainage (Provisional)				

**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward			R	
41	15mm CP single lever elbow action pillar tap	No	6		
42	In-line strainer	No	4		
43	Chrome Plated fullway ballcock	No	4		
44	Fullway ballcock	No	4		
45	PB1.10RB vacuum breaker	No	4		
	<u>SANITARY PLUMBING</u>				
	<u>uPVC Pipes</u>				
46	40mm Diameter pipes	m	154		
47	50mm Diameter pipes	m	176		
48	110mm Diameter pipes	m	110		
	<u>Extra over for uPVC for fittings</u>				
49	40mm Bend	No	48		
50	50mm Bend	No	39		
51	110mm Bend	No	12		
52	40mm Junction	No	24		
53	50mm Junction	No	15		
54	110mm Junction	No	11		
55	40mm Inspection junction	No	8		
56	50mm Inspection junction	No	10		
57	110mm Inspection junction	No	8		
58	50mm Reducing junction	No	45		
59	110mm Reducing junction	No	12		
60	110mm Pan connector	No	42		
	Carried Forward			R	
	Section No. 2				
	Bill No. 14				
	Plumbing and Drainage (Provisional)				

**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward			R	
61	110mm "GI Two way" vent valve	No	12		
62	50mm "GI Two way" vent valve	No	12		
	<u>HOT AND COLD WATER SERVICES</u>				
	<u>Class 1 copper (hard drawn) pipes</u>				
63	15mm Pipes to walls, etc	m	160		
64	22mm Pipes to walls, etc	m	128		
65	28mm Pipes to walls, etc	m	25		
66	35mm Pipes to walls, etc	m	22		
	<u>Extra over class 1 copper (hard drawn) pipes for capillary fittings</u>				
67	15mm Fittings	No	78		
68	22mm Fittings	No	56		
69	28mm Fittings	No	48		
70	35mm Reducer	No	6		
71	35mm Elbow	No	5		
72	35mm Tee	No	8		
	<u>Precast concrete</u>				
73	Precast concrete gulley, overall size 430 x 440mm, bedded and jointed in Class II motar and pointed on all exposed faces.	No	6		
	<u>TESTING</u>				
74	Testing water pipe system		Item		
75	Testing sewer/waste pipe system		Item		
	<u>FIRE APPLIANCES ETC</u>				
	Carried Forward			R	
	Section No. 2				
	Bill No. 14				
	Plumbing and Drainage (Provisional)				

Proposed Renovations and Additions
at Sesobe Clinic

Brought Forward			R
<u>Fix only removed or new fire appliances and make good all works disturbed</u>			
76	"Everyway" hose reel complete with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket	No 2	
77	4.5kg Dry chemical fire extinguisher	No 5	
78	9kg Dry chemical fire extinguisher	No 5	
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 14			
Plumbing and Drainage (Provisional)			

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**Proposed Renovations and Additions
at Sesobe Clinic**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 16</u>			
	<u>PAINTWORK</u>			
	<u>ON FIBRE-CEMENT</u>			
	<u>One coat merit plaster primer thinned with 20% mineral turpentine and two coats Plascon Wall & All emulsion paint</u>			
1	On ceilings and cornices	m2	2 543	
	<u>One coat primer and two coats exterior quality PVA emulsion paint</u>			
2	On fascias and bargeboards	m2	208	
	<u>ON WOOD</u>			
	<u>Three coats "Woodoc" varnish including sanding between each coat</u>			
3	On doors	m2	10	
4	On roof timbers (Provisional)	m2	13	
	<u>One coat wood primer, one coat universal undercoat and two coats Plascon Double Velvagro Satin Polyurethane enamel paint</u>			
5	On doors	m2	208	
	<u>ON METAL</u>			
	<u>Spot priming defects in pre-primed surfaces with Namelcoat synthetic metal primer, one coat merit universal undercoat and two coats Plascon Velvagro Satin Polyurethane enamel paint on steel</u>			
6	On door frames	m2	6	
7	On columns and beams (Provisional)	m2	15	
8	On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	25	
	Carried Forward			
	Section No. 2			
	Bill No. 16			
	Paintwork			
			R	

Proposed Renovations and Additions
at Sesobe Clinic

Brought Forward			R
<u>PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK</u>			
<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
<u>Wash down well with sugar soap, rinse with clean water and allow to dry, remove loose and flaking paint, make good cracks and defects with an interior filler, allow to dry and sand smooth, spot prime bare and repaired areas with plaster primer thinned 20% with mineral turpentine and apply one coat universal undercoat to repaired areas and apply two full coats acrylic PVA paint on previously painted surfaces in fair condition.</u>			
9	Walls	m2	8 265
10	On ceilings and beams	m2	925
<u>On Metal</u>			
<u>Prepare and apply one undercoat and two finishing coats of gloss paint on metalworks</u>			
11	On roof coverings	m2	751
12	On windows (both sides measured flat)	m2	1 109
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 16			
Paintwork			

Proposed Renovations and Additions
at Sesobe Clinic

Bill No	SECTION SUMMARY - Building Works		Page No	Amount	
1	Alterations (Provisional)		60		
2	Earthworks (Provisional)		63		
3	Concrete, Formwork & Reinforcement		66		
4	Masonry		69		
5	Waterproofing		70		
6	Roof coverings		71		
7	Capentry and Joinery		76		
8	Ceilings, partitions and access Flooring		77		
9	Floor Coverings		79		
10	Ironmongery		83		
11	Metalwork		85		
12	Plastering		86		
13	Tilling		88		
14	Plumbing and Drainage (Provisional)		99		
15	Glazing		100		
16	Paintwork		102		
Carried to Final Summary				R	
Section No. 2					

**Proposed Renovations and Additions
at Sesobe Clinic**

Item No		Quantity	Rate	Amount
	<u>BILL NO 1</u>			
	<u>EARTHWORKS (PROVISIONAL):</u>			
	NOTE: Unless otherwise stated all items in this bill shall be deemed to fall into Work Group No. 104 for Haylett Formula purposes.			
	NOTE: All excavations are measured as being in "earth" and/or filling compacted to 98% modified AASHTO density.			
	Descriptions of excavations shall be deemed to include for setting aside surplus excavated material in spoil heaps for use as filling or for depositing within 150m of the perimeter of the excavations and spreading and roughly levelling as directed, as well as for increase in bulk and multiple handling of excavated material caused by the Contractor's method of operation.			
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site and for bulking.			
	<u>GENERAL SITE WORKS</u>			
	<u>EARTHWORKS</u>			
	<u>Site clearance</u>			
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	480	
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	480	
	<u>BULK EXCAVATION, FILLING, ETC</u>			
3	Open face excavation over sloping site and deposit in spoil heaps on site where directed.	m3	72	
4	Extra over open face excavation in earth for excavation in soft rock	m3	7	
	Carried Forward			
	Section No. 3 Bill No. 1 General Site Works		R	

Proposed Renovations and Additions
at Sesobe Clinic

Brought Forward			R
5	Extra over open face excavation in earth for excavation in hard rock	m3	4
6	Allow for keeping excavations free of all water and mud other than subterranean water		Item
<u>Earth filling supplied by the contractor</u>			
7	Earth filling supplied by the contractor to make up levels to platforms compacted in 150mm layers to 95% Mod AASHTO density	m3	145
8	Compaction of ground surface under platforms including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% modified AASHTO density	m2	480
9	Prescribed density tests on filling	No	20
<u>REMOVAL OF TREES ETC</u>			
10	Take out and remove tree with trunk exceeding 500mm and not exceeding 1000mm girth measured 1m above ground level including excavating and removing roots and fill hole with clean dry earth filling, watered and rammed	No	1
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 1			
General Site Works			

**Proposed Renovations and Additions
at Sesobe Clinic**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 2</u>			
	<u>STORMWATER DRAINAGE, SOIL DRAINAGE AND WATER SUPPLY</u>			
	<u>NOTE:</u> Unless otherwise stated herein all items in this bill shall be deemed to fall into Work Group No. 146 for Haylett Formula purposes.			
	<u>NOTE:</u> All excavations are measured as being in "earth" and/or filling compacted to 95% modified AASHTO density			
	<u>Movement joints</u>			
1	Movement joint not exceeding 300mm high formed of 12mm bitumen impregnated softboard placed vertical in position between concrete stormwater channel and brickwalls or concrete aprons, etc. including raking out top section 10mm deep and filling with bituminous compound	m	328	
	<u>STORMWATER DRAINAGE</u>			
	<u>Precast concrete stormwater channels laid to falls</u>			
2	U-shaped channels 600mm wide x 120mm thick jointed with 2:1 cement mortar including all necessary excavations and formwork	m	925	
3	Extra for fair open end	No	8	
4	Extra for angle intersection	No	17	
5	Extra for T-intersection	No	36	
6	Funnel shaped spill basin at end of rainwater channel size 2000mm wide (extreme) x 1000mm long overall x 400mm high comprising 200mm thick reinforced 20MPa/19 concrete base with mesh reinforcement ref. 617 and 200mm thick concrete sides 200mm high with 8No. hard burned bricks embedded in concrete base and evenly spaced and with 150-200mm diameter loose stones neatly packed at the basin mouth.	No	8	
	<u>SOIL DRAINAGE</u>			
	Carried Forward		R	
	Section No. 3 Bill No. 2 Stormwater Drainage, Soil Drainage and Water Supply			

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R
<u>uPVC class 100 sewer pipes</u>			
7	110mm Pipes vertically or ramped to cleaning eyes etc (no excavation)	m	10
8	110mm Pipes laid in and including trenches not exceeding 1m deep	m	85
9	110mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep	m	205
<u>Extra over uPVC pipes for fittings</u>			
10	110mm Bend	No	20
<u>Sundries</u>			
11	15MPa/19mm mass concrete encasing around 100mm horizontal drain pipe including all necessary formwork and extra excavation, etc	m	10
12	15MPa/19mm mass concrete encasing around 100mm vertical or raking drain pipe to cleaning eye including all necessary formwork	m	4
13	Gulley not exceeding 1m deep to invert comprising 100mm diameter uPVC gulley trap and head, grating, etc. including excavating for , bedding on and encasing in 15MPa/19mm mass concrete and fitted with and including precast concrete gulley top bedded in cement mortar	No	5
14	ABC cast iron straight or bent cleaning eye with removable cover jointed to 110mm uPVC pipe and set in and including 15MPa/19mm mass concrete surround with exposed surfaces trowelled smooth	No	2
<u>Precast concrete circular inspection chambers (covers elsewhere)</u>			
15	Inspection chamber 1020mm diameter, exceeding 750mm and not exceeding 1000mm deep internally	No	4
16	Inspection chamber 1020mm diameter, exceeding 1000mm and not exceeding 1250mm deep internally	No	3
Carried Forward			R
Section No. 3 Bill No. 2 Stormwater Drainage, Soil Drainage and Water Supply			

**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward		R	
17	Inspection chamber 1020mm diameter, exceeding 1250mm and not exceeding 1500mm deep internally	No	1	
	<u>Covers etc</u>			
18	1130mm Diameter x 100mm thick precast concrete removable cover with 560mm diameter opening for cast iron cover and frame (elsewhere)	No	4	
19	560mm Diameter x 550kg cast iron manhole cover and frame	No	4	
20	Lifting key for manhole cover	No	1	
	<u>Sundries</u>			
21	Hole through side of precast concrete manhole for pipe exceeding 100mm and not exceeding 200mm diameter and make good	No	8	
	<u>WATER SUPPLIES</u>			
	<u>Borehole and High Level Water Tanks</u>			
22	Provide the Provisional Sum of R 150 000,00 (One Hundred and Fifty Thousand Rand) for equipping, etc. of existing borehole.		Item	150 000,00
23	Allow for (3 x 3 x 3 panels) high level steel sectional water tank complete with a capacity of 49KL including 6m high steel stand on reinforced concrete bases etc, and all reticulation to be executed by a firm of specialists.		Item	
	<u>Class 6 uPVC pressure pipes</u>			
24	25mm Pipes laid in and including trenches	m	15	
25	50mm Pipes laid in and including trenches	m	166	
26	110mm Pipes laid in and including trenches	m	285	
	<u>Extra over uPVC class 6 pipes for fittings</u>			
27	25mm Fittings	No	6	
28	50mm End cap	No	4	
	<u>Carried Forward</u>			
	Section No. 3			
	Bill No. 2			
	Stormwater Drainage, Soil Drainage and Water Supply			

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R	
29	110mm End cap	No	4	
30	50 x 25mm Reducer	No	11	
31	110 x 50mm Reducer	No	5	
32	50mm x 45 degrees bend	No	4	
33	110mm x 45 degrees bend	No	4	
34	50mm x 90 degrees bend	No	10	
35	110mm x 90 degrees bend	No	8	
36	50mm Tee	No	5	
37	110mm Tee	No	4	
38	50 x 50 x 25mm Reducing tee	No	11	
<u>Extra over uPVC class 6 pipes for cast iron fittings</u>				
39	80mm Hydrant tee drilled to table 10 including connecting bolts, gaskets, etc	No	2	
<u>Valves, etc including joints to pipes and/or fittings</u>				
40	25mm Brass fullway wheel valve	No	3	
41	50mm Brass fullway wheel valve	No	3	
42	110mm Brass fullway wheel valve	No	1	
43	80 x 65mm Brass right angle hydrant valve as SABS 1128 Part 1	No	3	
<u>Fire hydrant pedestals</u>				
44	Unreinforced concrete 20MPa/19mm hydrant connection pedestal 1400mm high cast around vertical pipe with bottom 600mm below ground, 300 x 300mm square at base and tapering to square shaped top 250 x 250mm including necessary excavation, formwork and two coats of paint to exposed surfaces	No	2	
Carried Forward			R	
Section No. 3				
Bill No. 2				
Stormwater Drainage, Soil Drainage and Water Supply				

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward				R
<u>Galvanised steel pipes</u>				
45	20mm Pipes	m	4	
46	20mm Pipes laid in and including trenches	m	4	
47	25mm Pipes laid in and including trenches	m	4	
48	50mm Pipes	m	72	
49	80mm Pipes	m	3	
<u>Extra over galvanised steel pipes for steel fittings</u>				
50	20mm Fittings	No	8	
51	25mm Fittings	No	4	
52	50mm Bend	No	12	
53	50mm Flanged adapter	No	6	
54	50mm Tee	No	3	
55	80mm Flange adaptor drilled to table 10	No	2	
<u>Sundries</u>				
56	225 x 225mm Cast iron stopcock box including brick chamber below not exceeding 600mm deep internally	No	3	
57	225 x 225mm Meter or valve box including brick chamber below not exceeding 600mm deep internally	No	5	
58	Extra over excavations in earth for pipe trenches, etc. for excavations in soft rock	m3	60	
59	Extra over excavations in earth for pipe trenches, etc. for excavations in hard rock	m3	50	
60	15MPa/19mm Mass concrete in thrust blocks around fittings including necessary additional excavations, formwork, etc	m3	3	
Carried Forward				R
Section No. 3 Bill No. 2 Stormwater Drainage, Soil Drainage and Water Supply				

**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward			R
61	<p>Drinking fountain comprising 100 x 50 x 11mm mild steel channel section frame 3,3m long with two mitred and welded corners, two 200 x 200 x 4mm base plates cast into and including 300 x 300 x 300mm 20MPa/38mm mass concrete footings including necessary excavation, 100mm thick 20MPa/38mm mass concrete slab 2,25m long x 1m wide graded to falls with wood float finish, the channel frame painted with two coats of high gloss enamel paint and fitted with and including 20mm diameter galvanised mild steel pipe 2,3m long including three bends, three tees, three 15mm "Cobra 534" or other approved pushbutton pillar cocks, one 20mm in line brass strainer No. 1050, one 20mm brass fullway gate valve as "Cobra No. 1002/125" or other approved and one 20mm brass bibcock with lockshield and hose union as "Cobra No. 108LK" or other approved</p> <p><u>Painting</u></p> <p><u>"Plascon UC.53 Namelcote" zinc chromate primer, one coat "UC.1 Merit" universal undercoat and two coats "G" universal enamel gloss paint on:</u></p>	No	6	
62	On columns and beams	m2	113	
63	On rails, bars, pipes, etc not exceeding 300 mm girth	m	263	
	<u>TESTING</u>			
64	Testing soil drainage and water supply systems		Item	
Carried Forward to Summary of Section No. 3				R
Section No. 3				
Bill No. 2				
Stormwater Drainage, Soil Drainage and Water Supply				

**Proposed Renovations and Additions
at Sesobe Clinic**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>SEPTIC / CONSERVANCY TANK</u>			
	<u>Excavation in earth for septic tank</u>			
1	Not exceeding 2m deep	m3	54	
2	Exceeding 2m and not exceeding 4m deep	m3	43	
	<u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 95 % Mod AASHTO density</u>			
3	Exceeding 0.5m and not exceeding 1.5m deep for placing and removing formwork to walls etc 1000mm away from excavated face	m2	32	
4	Exceeding 1.5m and not exceeding 3m deep for placing and removing formwork to walls etc 1000mm away from excavated face	m2	32	
5	Exceeding 3m and not exceeding 4.5m deep for placing and removing formwork to walls etc 1000mm away from excavated face	m2	16	
	<u>Extra over excavation in earth for excavation in</u>			
6	Soft rock	m3	10	
7	Hard rock	m3	5	
	<u>Extra over back excavation in earth for working space for excavation in soft rock</u>			
8	Exceeding 0.5m and not exceeding 1.5m deep for placing and removing formwork to walls etc 1000mm away from excavated face	m2	3	
9	Exceeding 1.5m and not exceeding 3m deep for placing and removing formwork to walls etc 1000mm away from excavated face	m2	3	
10	Exceeding 3m and not exceeding 4.5m deep for placing and removing formwork to walls etc 1000mm away from excavated face	m2	2	
	Carried Forward			
	Section No. 3			
	Bill No. 3			
	Septic/Conservancy Tank			
			R	

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R
<u>Extra over back excavation in earth for working space for excavation in hard rock</u>			
11	Exceeding 0.5m and not exceeding 1.5m deep for placing and removing formwork to walls etc 1000mm away from excavated face	m2	2
12	Exceeding 1.5m and not exceeding 3m deep for placing and removing formwork to walls etc 1000mm away from excavated face	m2	2
13	Exceeding 3m and not exceeding 4.5m deep for placing and removing formwork to walls etc 1000mm away from excavated face	m2	1
<u>Extra over all excavations for carting away</u>			
14	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	97
<u>Risk of collapse of excavations</u>			
15	Sides of bulk excavations not exceeding 1,5m deep	m2	32
16	Sides of bulk excavations exceeding 1,5m deep	m2	45
<u>Keeping excavations free of water</u>			
17	Keeping excavations free of all water other than subterranean water	Item	
<u>Compaction of surfaces</u>			
18	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m2	27
<u>25MPa/19mm concrete</u>			
19	Surface beds	m3	5.4
20	Cover slab	m3	5.4
21	Buffer wall	m3	1.2
Carried Forward			R
Section No. 3 Bill No. 3 Septic/Conservancy Tank			

**Proposed Renovations and Additions
at Sesobe Clinic**

	Brought Forward			R	
22	Retaining walls	m3	13.2		
	<u>TEST BLOCKS</u>				
23	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	5		
	<u>CONCRETE SUNDRIES</u>				
	<u>Finishing top surfaces of concrete smooth with a steel trowel</u>				
24	Surface bed, slab, etc	m2	41		
25	Surface bed, etc to falls	m2	9		
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>				
	<u>Rough formwork to sides</u>				
26	Outer face of retaining walls	m2	77		
	<u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u>				
	<u>Smooth formwork to sides</u>				
27	Buffer wall	m2	12		
28	Inner face of retaining walls	m2	63		
	<u>Smooth formwork to soffits</u>				
29	Slabs propped up exceeding 1.5m and not exceeding 3.5m high	m2	23		
	<u>Smooth formwork to form</u>				
30	Opening exceeding 1m and not exceeding 2m girth through not exceeding 300mm wall	No	2		
31	Rebated opening exceeding 2m and not exceeding 3m girth overall through not exceeding 300mm slab	No	4		
	<u>REINFORCEMENT</u>				
	Carried Forward			R	
	Section No. 3				
	Bill No. 3				
	Septic/Conservancy Tank				

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R	
<u>High tensile steel reinforcement to structural concrete work</u>				
32	12mm Diameter bars	t	0.38	
33	10mm Diameter bars	t	1.75	
<u>Covers etc</u>				
34	600 x 600mm cast iron manhole cover and frame to SABS 558 type 9B	No	4	
<u>Sundries</u>				
35	Make or leave hole through side of 200mm thick reinforced concrete wall for pipe exceeding 100mm and not exceeding 200mm diameter	No	3	
36	Make or leave hole through 200mm thick reinforced concrete cover slab for pipe exceeding 100mm and not exceeding 200mm diameter	No	2	
37	Allow the sum of R 194 000.00 for additional septic/conservancy tank		Item	
Carried Forward to Summary of Section No. 3			R	
Section No. 3				
Bill No. 3				
Septic/Conservancy Tank				

**Proposed Renovations and Additions
at Sesobe Clinic**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>ROADS, PAVING AND PARKING</u>			
	<u>EARTHWORKS</u>			
	<u>(HAYLETT FORMULA WORK GROUP NO. 104)</u>			
	<u>Open face excavation</u>			
1	Open face excavation to form platform under parking areas etc and depositing excavated material over site including haulage not exceeding 1km from perimeter of excavations	m3	72	
	<u>Extra over bulk excavation in earth for excavation in</u>			
2	Soft rock	m3	7	
3	Hard rock	m3	4	
	<u>Extra over all excavations for carting away</u>			
4	Surplus material from stock piles on site to a dumping site to be located by the contractor	m3	72	
	<u>Keeping excavations free of water</u>			
5	Keeping excavations free of all water other than subterranean water		Item	
	<u>Earth filling supplied by the contractor under pavings etc</u>			
6	Over site of G7 material in accordance with SABS 1200 DM compacted to 93% Mod AASHTO density	m3	144	
7	Over site of C4 material in accordance with SABS 1200 ME, stabilised to attain UCS 1,0 MPa after seven days and compacted to 95% Mod AASHTO density under paving and behind kerbs	m3	72	
	Carried Forward			
	Section No. 3			
	Bill No. 4			
	Roads, Parking & Paving			

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R
<u>Compaction of surfaces</u>			
8	Compaction of ground surface under pavings etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	480
<u>Prescribed density tests on filling</u>			
9	Tests to determine the degree of compaction, etc of ground or filling	No	20
<u>"HYVAR-X" or similar and approved weed killer</u>			
10	Under roads, paving, etc in sprayed over previously wetted ground	m2	480
<u>PRECAST CONCRETE</u>			
<u>(HAYLETT FORMULA WORK GROUP NO. 112)</u>			
<u>Standard grey double zig-zag type S-A class 25 interlocking precast concrete paving blocks laid to pattern, on 20mm riversand bed to comply with SABS 1200 MJ-1984, with sand swept into joints</u>			
11	60mm Paving to falls	m2	480
12	Circular cutting and waste	m	28
13	Kerb (SABS 927 fig 3) 150 x 300mm high with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint including excavation, backfilling, etc	m	502
14	Ditto, circular on plan exceeding 4m radius	m	24
<u>PAINTING</u>			
<u>HAYLETT FORMULA WORK GROUP NO. 152)</u>			
<u>Prepare and paint one coat white reflective road marking paint on precast concrete paving blocks</u>			
15	100mm Wide line	m	95
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Bill No. 4			
Roads, Parking & Paving			

**Proposed Renovations and Additions
at Sesobe Clinic**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 5</u>			
	<u>SECURITY FENCING</u>			
	<u>PAINTING</u>			
	<u>HAYLETT FORMULA WORK GROUP NO. 152)</u>			
	<u>Prepare and apply one coat zinc chromate primer and two coats bituminous aluminium paint as per Architect's specification</u>			
1	On steel (Palisade) fence (both sides measured)	m2	639	
2	On steel posts exceeding 300mm girth	m2	42	
3	On steel posts not exceeding 300mm girth	m	804	
	<u>Entrance Wall, Signage and Flag Poles</u>			
4	Allow the amount of Three Hundred Thousand Rand (R300 000.00) for Entrance wall, signage and flag poles as per architect's specification	Item		300 000.00
	Carried Forward to Summary of Section No. 3		R	
	Section No. 3			
	Bill No. 5			
	Security Fencing			

**Proposed Renovations and Additions
at Sesobe Clinic**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 6</u>			
	<u>BUILDERS WORK IN CONNECTION WITH SPECIAL SERVICES</u>			
	<u>(HAYLETT FORMULA WORK GROUP NO. 160)</u>			
	<u>ELECTRICAL INSTALLATION</u>			
1	50mm PVC sleeve pipe and excavations not exceeding 1m deep	m	5	
2	Set of two 110mm PVC sleeve pipe and excavations not exceeding 1m deep	m	25	
3	50mm PVC sleeve pipe chased in wall	m	3	
4	110mm PVC sleeve pipe fixed to wall	m	3	
5	EXtra for 50mm bend	No	3	
6	Extra for 110mm bend	No	2	
7	Excavate in earth for and build manhole with one brick sides on and including a 100mm thick 20MPa/19mm mass concrete base projecting 100mm under wall all round, including finishing in 3:1 cement plaster on inside, with 100mm thick 20MPa/19mm mass concrete slab over finished on all exposed surfaces in untinted granolithic with angles rounded with opening for and including 600 x 600mm cast iron double seal heavy duty manhole cover and frame with a mass of 75kg, laid in cement; size internally 600 x 600 x 900mm deep	No	1	
	<u>TELEPHONE AND INTERCOM INSTALLATION</u>			
	NOTE: All sleeve pipes and pipe conduits to be supplied with draw wires as necessary for fishing of cables and wiring			
8	32mm PVC sleeve pipe and excavations not exceeding 1m deep	m	25	
9	50mm PVC sleeve pipe and excavations not exceeding 1m deep	m	25	
	Carried Forward		R	
	Section No. 3			
	Bill No. 6			
	Builders Work in Connection with Special Services			

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**Proposed Renovations and Additions
at Sesobe Clinic**

Item No		Quantity	Rate	Amount
	<u>PROVISIONAL SUMS</u>			
	<u>NOTES:</u>			
	<u>WORK BY CONTRACTOR</u>			
	BUDGETARY ALLOWANCES under this heading are for work to be executed by the contractor or a specialist sub-contractor and are to be used at the discretion of the Principal Agent and deducted in whole or in part if not required.			
	<u>COMMUNITY LIAISON OFFICER (CLO)</u>			
1	Allow the amount of Eighty-four thousand rand (R 84,000.00) for a CLO.	Item		84 000.00
2	Allow for profit on preceding item if required	Item		
3	Allow for general attendance	Item		
	<u>COVID-19 SAFETY/SCREENING OFFICER</u>			
4	Allow the amount of Seventy-two thousand rand (R 72 000.00) for a Covid-19 Safety/Screening officer.	Item		72 000.00
5	Allow for profit on preceding item if required	Item		
6	Allow for general attendance	Item		
	<u>PROJECT STEERING COMMITTEE</u>			
7	Allow the amount of Thirty-six thousand rand (R 36,000.00) for project steering committee	Item		36 000.00
8	Allow for profit on preceding item if required	Item		
9	Allow for general attendance	Item		
	<u>OCCUPATIONAL MEDICAL EXAMS</u>			
10	Allow the amount of Fifty thousand rand (R 50 000.00) for Occupational Medical Exams	Item		50 000.00
11	Allow for profit on preceding item if required	Item		
	Carried Forward		R	
	Section No. 4 Bill No. 1 Provisional Sums			

**Proposed Renovations and Additions
at Sesobe Clinic**

Brought Forward			R
12	Allow for general attendance	Item	
<u>ELECTRICAL INSTALLATIONS/RETICULATION</u>			
13	Allow the amount of Four hundred and twenty thousand rand (R 420 000.00) for Electrical Installations and Reticulation.	Item	420 000.00
14	Allow for profit on preceding item if required	Item	
15	Allow for general attendance	Item	
<u>MECHANICAL INSTALLATIONS/RETICULATION</u>			
16	Allow the amount of Three hundred and sixty thousand rand (R 360 000.00) for Mechanical Installations and Reticulation.	Item	360 000.00
17	Allow for profit on preceding item if required	Item	
18	Allow for general attendance	Item	
<u>OHS/COVID-19 SAFETY COMPLIANCE</u>			
19	Allow the amount of Four hundred thousand rand (R 400 000.00) for occupational Health and Safety (OHS)/Covid-19 Safety Compliance.	Item	400 000.00
20	Allow for profit on preceding item if required	Item	
21	Allow for general attendance	Item	
Carried to Final Summary			R
Section No. 4			
Bill No. 1			
Provisional Sums			

**Proposed Renovations and Additions
at Sesobe Clinic**

Section No	<u>FINAL SUMMARY</u>	Page No	Amount	
	<u>SECTION A: BUILDING WORKS</u>			
1	Preliminaries	48		
2	Building Works	103		
3	External Works (Provisional)	121		
4	Provisional Sums	123		
	Sub-Total		R	
	<u>CONTINGENCIES</u>			
	ADD: Allow the amount of R 1 200,000-00 (One Million Two Hundred Thousand Rand) for contingencies to be used as directed by the Principal Agent and to be deducted in whole or in part if not required		R	1 200 000,00
	<u>CONTRACT PRICE ADJUSTMENT</u>			
	ADD: Allow the amount of R 2 000,000-00 (Two Million Rand) for Contract Price Adjustment Provision to be calculated in accordance with the Hewlett formula		R	2 000 000,00
	Sub Total (B)		R	
	Add Value Added (VAT) at the rate of 15%		R	
	Carried to Form of Tender		R	