

REPUBLIC OF SOUTH AFRICA
NATIONAL DEPARTMENT OF PUBLIC WORKS
BILLS OF QUANTITIES
FOR
DCS: WESTVILLE CORRECTIONAL SERVICE CENTRE:
INSTALLATION OF FACILITIES FOR
PEOPLE WITH DISABILITIES

VOLUME 3

QUANTITY SURVEYORS

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August 2021

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Ref. 6306/2001/26/44

VOLUME 3 - THE CONTRACT

[yellow]

Part C1: Agreement and Contract Data

C1.2 Contract Data

DPW-04 (EC): CONTRACT DATA: JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 4.1 of March 2005)

Project title:	DCS: WESTVILLE-INSTALLATION OF FACILITIES FOR PEOPLE WITH DISABILITIES.		
Tender no:	DBN21/08/04	Reference no:	6306/2001/26/44

	<p>The Conditions of Contract are clauses 1 to 41 of the JBCC Series 2000 Principal Building Agreement (Edition 4.1 of March 2005) prepared by the Joint Building Contracts Committee.</p> <p>Copies of these conditions of contract may be obtained through most regional offices of the Association of South African Quantity Surveyors, Master Builders Association, South African Association of Consulting Engineers, South African Institute of Architects, Association of Construction Project Managers, Building Industries Federation South Africa, South African Property Owners Association or Specialist Engineering Contractors Committee.</p>
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	<p>CONTRACT VARIABLES</p> <p>THE SCHEDULE</p> <p>The schedule contains all variables referred to in this document and is divided into part 1: contract data completed by the employer and part 2: contract data completed by the contractor. Part 1 must be completed in full and included in the tender documents. Both the part 1 and part 2 form part of this agreement</p> <p>Spaces requiring information must be filled in, shown as 'not applicable' or deleted but 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</p>
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42.0	Part 1: Contract Data completed by the Employer:
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42.1	CONTRACTING AND OTHER PARTIES
42.1.1	<p>Employer:</p> <p>Government of the Republic of South Africa in Its Department of Public Works</p> <p>Postal address: Private bag X 54315 Durban 4000</p> <p>Tel: 082 679 7793 Fax: n/a</p> <p>[1.2] Physical address: Corner Dr. Pixley kaSeme and Micheal Samora street Durban 4000</p>

Tender no: **DBN21/08/04**

<p>42.1.2 [1.1, 5.1]</p>	<p>Principal Agent: Bartsch Consult (Pty) Ltd Architects</p> <p>Postal address: PO Box 1097 Ladysmith 3370</p> <p>Tel: 036 631 1888 Fax: 036 631 1806</p>
<p>[1.1]</p>	<p>Representative of the Employer: Mr. Wandile Mankonkwana</p> <p>Postal address: Private Bag X54314 Durban 4000</p> <p>Tel: 082 679 7793 Fax: n/a</p>
<p>42.1.3 [1.1, 5.2]</p>	<p>Agent (1) VDO Consultants- Ladysmith</p> <p>Agent's service: Quantity Surveyor</p> <p>Postal address: PO Box 1363 Ladysmith 3370</p> <p>Tel: 036 631 0024 (082 851 9560) Fax: 031 631 0025</p>
<p>42.1.4 [1.1, 5.2]</p>	<p>Agent (2) Royal Haskoning DHV</p> <p>Agent's service: Civil & Structural Engineers</p> <p>Postal address: 30 Montrose Park Boulevard Pietermaritzburg 3201</p> <p>Tel: 033 328 1000 Fax: 033 1105</p>
<p>42.1.5 [1.1, 5.2]</p>	<p>Agent (3) Nkanyesi Consulting (Pty) Ltd</p> <p>Agent's service: Electrical & Mechanical Engineers</p> <p>Postal address: PO Box 1432 Kloof, Durban</p>

	3640		
	Tel: 031 765 7366	Fax: 031 765 5487	

Tender no: DBN21/08/04

42.1.6 <i>[1.1, 5.2]</i>	Agent (4) insert name Agent's service: insert service Postal address: insert postal address insert town insert postal code Tel: insert tel no Fax: Insert fax no
42.1.7 <i>[1.1, 5.2]</i>	Agent (5) insert name Agent's service: insert service Postal address: insert postal address insert town insert postal code Tel: insert tel no Fax: insert fax no
42.1.8 <i>[1.1, 5.2]</i>	Agent (6) insert name Agent's service: insert service Postal address: insert postal address insert town insert postal code Tel: insert tel no Fax: insert fax no
42.1.9 <i>[1.1, 5.2]</i>	Agent (7) insert name Agent's service: insert service Postal address: insert postal address insert town insert postal code Tel: insert tel no Fax: insert fax no

42.2	CONTRACT DETAILS
42.2.1 <i>[1.1]</i>	Works description: Refer to document C3 – Scope of Work.

42.2.2 [1.1]	Site description: Refer to document C4 – Site Information.
42.2.4 [41.0]	Specific options that are applicable to a State organ only Where so :

Tender no: **DBN21/08/04**

[1.1 #] [31.11.2 #] [31.12.2 #]	1) Interest rate legislation: The interest rate applicable will be 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)
[11.2.#]	2) Lateral support insurance to be effected by the contractor: Yes <input type="checkbox"/> No <input type="checkbox"/>
[31.4.2 #]	3) Payment will be made for materials and goods Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
[40.2.2 #] [26.1.2 #]	4) Dispute resolution of any dispute shall be conducted in the following chronologically order with litigation being last resort: 4.1 Negotiation 4.2 Mediation 4.3 Adjudication 4.4 Arbitration 4.5 Litigation 5) Extended defects liability period applicable to the following elements: NONE
42.2.6 [15.3]	Period for the commencement of the works after the contractor takes possession of the site: Ten (10) working days.
42.2.7	For the works as a whole:
[24.3.1] [30.1]	The date for practical completion shall be twelf (12) months from the commencement date and the penalty per calendar day shall be R 2 000.00 .
42.2.8	For the works in sections:
[24.3.1] [28.1]	The date for practical completion from the commencement date and the penalty per calendar day: Section 1: insert description as may be applicable Insert penalty amount Section 2: insert description as may be applicable Insert penalty amount Section 3: insert description as may be applicable insert penalty amount Section 4: insert description as may be applicable insert penalty amount

	<p>Section 5: <i>Insert description as may be applicable</i></p> <p><i>Insert penalty amount</i></p> <p>Section 6: <i>Insert discription as may be applicable</i></p> <p><i>Insert penalty amount</i></p>
42.2.9 [1.2]	The law applicable to this agreement shall be that of the: Republic of South Africa

Tender no: **DBN21/08/04**

42.3	INSURANCES
42.3.1 [10.1 #, 10.2 # 12.1 #]	<p>Contract works insurance to be effected by the contractor</p> <p><input checked="" type="checkbox"/> To the minimum value of the contract sum plus 10%</p> <p>With a deductible not exceeding 5% of each and every claim</p> <p>Or</p> <p><input type="checkbox"/> For the minimum sum of R <i>Insert amount (insert amount in words)</i></p> <p>With a deductible not exceeding 5% of each and every claim</p>
42.3.2 [10.1 #, 10.2 #, 12.1 #]	<p>Supplementary insurance is required: Yes</p> <p>To the minimum value of the contract sum plus 10 %</p>
42.3.3 [11.1 #, 12.1 #]	<p>Public liability insurance to be effected by the contractor</p> <p><input checked="" type="checkbox"/> For the sum of R 5 million</p> <p>With a deductible not exceeding 5% of each and every claim</p> <p>Or</p> <p><input type="checkbox"/> For the sum of R <i>Insert amount (insert amount in words)</i></p> <p>With a deductible not exceeding 5% of each and every claim</p>
42.3.4 [11.2 #, 12.1 #]	<p>Support insurance to be effected by the contractor</p> <p>For the sum of R <i>Insert amount (insert amount in words)</i></p> <p>With a deductible of R <i>Insert amount (insert amount in words)</i></p>

42.4	DOCUMENTS
42.4.2 [3.7]	Three (3) copies of the construction documents will be supplied to the contractor free of charge
42.4.3	<p>Bills of quantities / Lump sum document schedule of rates drawn up in accordance with:</p> <p><input checked="" type="checkbox"/> Standard System of Measuring Building Work (sixth edition as amended)</p> <p>Or</p> <p><input type="checkbox"/> Standard System of Measuring Building Work for Small or Simple Buildings 1999</p> <p>Or</p>



	<input type="checkbox"/> Other (<i>specify</i>)
42.4.5 [3.4]	JBCC Engineering General Conditions are to be included in the contract documents: No

<p>42.4.6 [31.5.3]</p> <p>[32.13]</p>	<p>The contract value is to be adjusted using CPAP Indices: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>Where CPAP is applicable, the contract sum will be adjusted in accordance with the JBCC Contract Price Adjustment Provisions (CPAP) as set out in the CPAP Indices Application Manual as prepared by the JBCC Series 2000, code 2118, dated May 2005 and any amendments thereto:</p> <ol style="list-style-type: none"> 1) Glass etc. measured in specialist section Metalwork, will be adjusted in terms of the Index for that work group unless specifically stated otherwise in the bills of quantities 2) All electrical installations in buildings and power distribution systems shall be adjusted in terms of the index for Work Group 160 Electrical Installation. In case of uninterruptible power supplies, elevators, escalators and hoists, generating sets, motor-alternator sets and intercommunication systems shall be in accordance with Work Group 170 3) With reference to Work Group 190 a proportion of the value related preliminaries pro rata to the amount of work excluded from adjustment, shall be excluded from Contract Price Adjustment Provisions, if Option A has been selected for the adjustment of preliminaries 4) Further to clause 3.4.4 of the CPAP Indices Application Manual, the listing of additional items for exclusion by tenderers, will not be permitted 5) Where V results in a negative amount after application of the formula in clause 8.3 of the CPAP Indices Application Manual the factor of 0,55 shall be substituted by 1,45 <p>Alternative Indices: Not Applicable</p>
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42.4.7
[3.10]

Details of changes made to the provisions of JBCC standard documentation

Clause

- 1.1 **COMMENCEMENT DATE** – means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect
- CONSTRUCTION GUARANTEE** – means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule
- CONSTRUCTION PERIOD** – means the period commencing on the commencement date and ending on the date of practical completion
- CORRUPT PRACTICE** – means the 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
- 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
- INTEREST** – 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)
- 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
- 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 expense or loss
- 1.6 Any notice given may be delivered by hand, sent by prepaid registered post or telefax. Notice shall be presumed to have been duly given when:
- 1.6.4 No clause
- 3.2.1 A construction guarantee in terms of 14.0, where so elected in his tender
- 3.7 Add at the end thereof:
- The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all times.
- 3.10 Replace the second reference to "principal agent" with the word "employer"
- 4.3 No clause
- 5.1.2 under clause 41- Include reference to 32.6.3; 34.3; 34.4 and 38.5.8 in terms of which the employer has retained its authority and has not given a mandate to the principal agent and in terms of which the employer shall sign all documents
- 10.5 Add the following as 10.5

Damage to the works

- (1) 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
- (2) 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
- (3) The employer shall carry the risk of damage to or destruction of the works and materials paid for by the employer that is the result of the excepted risks as set out in 10.6
- (4) Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof

10.6 Add the following as 10.6

Injury to Persons or loss of or damage to Properties

- (1) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable
- (2) 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 property or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable
- (3) 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
- (4) 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
- (5) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor, shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed
- (6) 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

10.7 Add the following as 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

The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property or 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

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

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

14.0 Replace the entire clause 14.0 with the following:

14.0 SECURITY

14.1 In respect of contracts with a contract sum up to R1 million, the security to be provided by the contractor to the employer will be a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT)

	<p>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)</p> <p>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</p> <p>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.</p> <p>14.3 Where the security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>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</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>
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Tender no: DBN21/08/04

	<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 per cent (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> <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>
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- 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:**
- 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)**
- 14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate of practical completion**
- 14.5.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring**
- 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**
- 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**
- 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:**
- 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**
- 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**
- 14.6.3 The payment reduction of the value certified in a payment certificate shall be *mutatis mutandi* in terms of 31.8(A)**
- 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**
- 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:**
- 14.7.1 The payment reduction of the value certified in a payment certificate shall be *mutatis mutandi* in terms of 31.8(B)**
- 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**
- 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**
- 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**
- 15.1.1 No clause**



15.1.2 The security selected in terms of 14.0

15.1.4 Add 15.1.4 as follows:

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

15.2.1 Under 41: Amend to read as follows:

"Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.4

17.1.11 Delete the words "and the appointment of nominated and selected subcontractors"

20.1.3 No clause

21.0 No clause

26.1.2 Add # next to 26.1.2

29.2.5 No clause

31.5.2 Security adjustments in terms of 14.0 or 31.8

31.8 Amend as follows:

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 of the 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

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.

31.8(B) Where security is a payment reduction in term of 14.7 has been selected 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

	<p>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</p> <p>31.8(B).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except were 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</p> <p>31.12 Delete the following: "Payment shall be subject to the employer giving the contractor a tax invoice for the amount due."</p> <p>32.5.1 Add the following to the end of each of these clauses: "...due to no fault of the 32.5.4 contractor" and 32.5.7</p> <p>34.1 Remove #</p> <p>34.2 Add # next to 34.2</p> <p>34.8 The principal agent shall certify one hundred per cent (100%) of the amount of the final account in the final payment certificate</p> <p>34.13 Replace "seven (7) calendar days" with "twenty one (21) calendar days" and delete the words: "subject to the employer giving the contractor a tax invoice for the amount due"</p> <p>36.1 Add the following clauses 36.1.3 to 36.1.5. under 36.1 to read as follows:</p> <p>36.1.3 refuses or neglects to comply strictly with any of the conditions of contract</p> <p>36.1.4 estate being sequestrated; liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa</p> <p>36.1.5 In the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract</p> <p>36.3 Remove reference to "No clause", and replace "principal agent" with "employer"</p> <p>36.7 Add the following: "Notwithstanding any clause to the contrary, on cancellation of this 37.5 agreement either by the employer or the contractor; or for any reason whatsoever, and the contractor shall on written instruction, discontinue with the works on a date stated 38.7 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"</p> <p>37.3.5 Replace "ninety (90)" with "one hundred and twenty (120) and 38.5.4</p> <p>39.3.5 Add the following words at the end thereof: "within one hundred and twenty (120) working days of completion of such a report"</p> <p>40.2.2 under clause 41 – Replace "one (1) year" with "three (3) years"</p> <p>40.6 under clause 41 – Remove reference to no clause</p> <p>40.7.1 Change "(10)" to "(15)"</p> <p>Add the following to the end thereof:</p>
--	--

	Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the mediator and related costs.
--	---

42.0	Part 2: Contract Data provided by the Contractor:
42.5	CONTRACT DETAILS
42.5.1	Contractor: <hr/> Postal address: <hr/> <hr/> <hr/> Tel: _____ Fax: _____ TAX / VAT Registration No: _____ Physical address: <hr/> <hr/> <hr/>
42.5.2	The accepted contract sum Inclusive of tax is R _____ Amount in words: _____
42.5.3 [31.3]	The latest day of the month for the issue of an interim payment certificate: _____
42.5.4 [32.12]	The preliminaries amounts shall be paid in terms of: Alternative A <input type="checkbox"/> Alternative B <input type="checkbox"/>
42.5.5 [32.12]	The preliminaries amounts shall be adjusted in terms of: Alternative A <input type="checkbox"/> Alternative B <input type="checkbox"/>

Tender no: **DBN21/08/04**

<p>42.5.7 [14]</p>	<p>The security to be provided by the contractor:</p> <p>(a) In respect of contracts up to R1 million, the contractor will provide security in terms of 14.1</p> <p>(b) In respect of contracts above R1 million, the contractor will provide, as security, one of the following:</p> <p>(1) cash deposit of 10 % of the contract sum (excluding VAT) Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>(2) variable construction guarantee of 10 % of the contract sum (excluding VAT) (DPW-10.3 EC) Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>(3) payment reduction of 10% of the value certified in the payment certificate (excluding VAT) Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>(4) cash deposit of 5% of the contract sum (excluding VAT) and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT) Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>(5) fixed construction guarantee of 5% of the contract sum (excluding VAT) and a payment reduction of 5% of the value certified in the payment certificate (excluding VAT) (DPW-10.1 EC) Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>NB. Guarantees submitted must be issued by either an insurance company duly registered in terms of the Short-Term Insurance Act, 1998 (Act 53 of 1998) or by a bank duly registered in terms of the Banks Act, 1990 (Act 94 of 1990) on the pro-forma referred to above. No alterations or amendments of the wording of the pro-forma will be accepted.</p>
<p>42.5.8 [29.7.2]</p>	<p>The annual building holiday period after the commencement of the construction period:</p> <p>From: _____ to _____</p>
<p>42.6 42.6.1</p>	<p>DOCUMENTS</p> <p>Contract documents marked and annexed hereto:</p> <p>Priced bills of quantities: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Document marked as: _____</p> <p>Lump sum document: : Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Document marked as: _____</p> <p>Guarantees: Yes <input type="checkbox"/> No <input type="checkbox"/> Document marked as: _____</p> <p>Contract drawings: Yes <input type="checkbox"/> No <input type="checkbox"/> Document marked as: _____</p> <p>Other documents: Yes <input type="checkbox"/> No <input type="checkbox"/> (Attach additional pages if more space is required)</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017 AND THE AMENDED B-BBEE CODES.

1. GENERAL CONDITIONS

1.1. The following preference point systems are applicable to all bids:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2. The value of this bid is estimated to ~~Not Exceed~~ R50 000 000 (all applicable taxes included) and therefore the... 80/20.....system shall be applicable.

1.3. Preference points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contribution.

1.3.1 The maximum points for this bid are allocated as follows:

	POINTS
1.3.1.1 PRICE	<u>80</u>
1.3.1.2 B-BBEE STATUS LEVEL OF CONTRIBUTION	<u>20</u>
Total points for Price and B-BBEE must not exceed	100

1.4. Failure on the part of a bidder to fill in and/or to sign this form and submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS) or an Accounting Officer as contemplated in the Close Corporation Act (CCA) together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.5. An Exempted Micro Enterprise (EME) is only required to obtain a sworn affidavit or a certificate issued by Companies and Intellectual Property Commission (CIPC) confirming their annual turnover of R10 Million or less and level of black ownership to claim points.

1.6. Qualifying Small Enterprise (QSE) is only required to obtain a sworn affidavit or a certificate issued by Companies and Intellectual Property Commission (CIPC) confirming their annual turnover of R10 Million or less and level of black ownership to claim points.

Preference Points Claim for Bids: PA-16

- 1.7 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.
- 1.8 CERTIFICATES ISSUED BY IRBA AND ACCOUNTING OFFICER HAVE BEEN DISCONTINUED; HOWEVER VALID CERTIFICATES ALREADY ISSUED BEFORE 01 JANUARY 2017 MAY BE USED UNTIL THEY PHASE OUT COMPLETELY BY DECEMBER 2017

2. DEFINITIONS

- (a) **"all applicable taxes"** includes value-added tax, pay as you earn, Income tax, unemployment insurance fund contributions and skills development levies;
- (b) **"B-BBEE"** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (c) **"B-BBEE status level of contributor"** means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (d) **"bid"** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of services, works or goods, through price quotations, advertised competitive bidding processes or proposals;
- (e) **"Broad-Based Black Economic Empowerment Act"** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (f) **"comparative price"** means the price after the factors of a non-firm price and all unconditional discounts that can be utilized have been taken into consideration;
- (g) **"consortium or joint venture"** means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract;
- (h) **"contract"** means the agreement that results from the acceptance of a bid by an organ of state;
- (i) **"EME"** means an Exempted Micro Enterprise as defined by Codes of Good Practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (j) **"Firm price"** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- (k) **"functionality"** means the measurement according to predetermined norms, as set out in the bid documents, of a service or commodity that is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a bidder;
- (l) **"non-firm prices"** means all prices other than "firm" prices;
- (m) **"person"** includes a juristic person;
- (n) **"QSE"** means a Qualifying Small Enterprise as defined by Codes of Good Practice under

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

Preference Points Claim for Bids: PA-16

Pmin = Comparative price of lowest acceptable bid

5. Points awarded for B-BBEE Status Level of Contribution

5.1 In terms of Regulation 6(2) and /or 7(2), of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

- 5.2 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.
- 5.3 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.
- 5.4 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.
- 5.5 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.

6. BID DECLARATION

6.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

7. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.3.1.2 AND 5.1

7.1 B-BBEE Status Level of Contribution: =(maximum of 10 or 20 points)

Preference Points Claim for Bids: PA-16

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or Sworn Affidavit for EME's and QSE's.

8 SUB-CONTRACTING (relates to 5.5)

8.1 Will any portion of the contract be sub-contracted? YES / NO (delete which is not applicable)

8.1.1 If yes, indicate:

(i) what percentage of the contract will be subcontracted?
 %

(ii) the name of the sub-contractor?

(iii) the B-BBEE status level of the sub-contractor?

(iv) whether the sub-contractor is an EME/ a QSE? YES / NO (delete which is not applicable)

Designated Group: An EME or QSE which is at least 51% owned by:	EME √	QSE √
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

9 DECLARATION WITH REGARD TO COMPANY/FIRM

9.1 Name of company/firm

9.2 VAT registration number :

9.3 Company registration number

9.4 TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
- One person business/sole propriety
- Close corporation
- Company
- (Pty) Limited

[TICK APPLICABLE BOX]

Preference Points Claim for Bids: PA-16

5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

9.6 COMPANY CLASSIFICATION

- Manufacturer
- Supplier
- Professional service provider
- Other service providers, e.g. transporter, etc.
- [TICK APPLICABLE BOX]

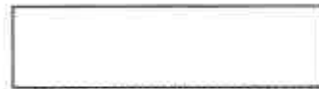
9.7 Total number of years the company/firm has been in business?

9.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraph 7 of the foregoing certificate/ Sworn Affidavit, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- (i) The information furnished is true and correct;
- (ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form.
- (iii) In the event of a contract being awarded as a result of points claimed as shown in paragraph 7, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- (iv) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) Disqualify the person from the bidding process;
 - (b) Recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) Cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution

WITNESSES:

1.



2.

SIGNATURE(S) OF BIDDER(S)

DATE:.....

ADDRESS:.....

.....

Ref. 6306/2001/26/44

C1.3 Form of Guarantee

[white]

**DPW-10.1 (EC): FIXED CONSTRUCTION GUARANTEE - JBCC 2000
PRINCIPAL BUILDING AGREEMENT (Edition 4.1 of March 2005)**

Director-General
Department of Public Works
Government of the Republic of South Africa

To: Mr. Wandile Mankonkwana
Private Bag X54315
Durban
4000

Sir,

**FIXED CONSTRUCTION GUARANTEE FOR THE EXECUTION OF A CONTRACT
IN TERMS OF JBCC 2000 (4.1 EDITION MARCH 2005)**

1. With reference to the contract between _____

(hereinafter referred to as the "contractor") and the Government of the Republic of South Africa in its Department of Public Works (hereinafter referred to as the "employer"), Contract/Tender No: DBN21/08/04, for the DCS: WESTVILLE CORRECTIONAL SERVICE: INSTALLATION OF FACILITIES FOR PEOPLE WITH DISABILITIES (hereinafter referred to as the "contract") in the amount of R _____,
(_____) , (hereinafter referred to as the **contract sum**),

I / We, _____

In my/our capacity as _____ and hereby

representing _____ (hereinafter referred to as the
"guarantor") advise that the guarantor holds at the employer's disposal the sum of R
(_____) being 5% of the contract sum (excluding VAT), for the due fulfillment
of the contract.
2. The guarantor hereby renounces the benefits of the exceptions *non numeratae pecunia; non causa debiti; excussionis et divisionis; and de duobus vel pluribus reis debendi* which could be pleaded against the enforcement of this guarantee, with the meaning and effect whereof I/we declare myself/ourselves to be conversant, and undertake to pay the employer the amount guaranteed, on receipt of a written demand from the employer to do so, stating that the employer has a right of recovery against the contractor in terms of 33.0 of the contract.
3. Subject to the above, but without in any way detracting from the employer's rights to adopt any of the procedures provided for in the contract, the said demand can be made by the employer, at any stage prior to the expiry of this guarantee.
4. The amount paid by the guarantor in terms of this guarantee may be retained by the employer on condition that upon the issue of the last final payment certificate, the employer shall account to the guarantor showing how this amount has been expended and refund any balance due to the guarantor.
5. The employer shall have the absolute right to arrange his affairs with the contractor in any manner which the employer deems fit and the guarantor shall not have the right to claim his release on account of any conduct alleged to be prejudicial to the guarantor. Without derogating from the foregoing, any compromise, extension of the construction period, indulgence, release or variation of the contractor's obligation shall not affect the validity of this guarantee.

6. The guarantor reserves the right to withdraw from this guarantee at any time by depositing the guaranteed amount with the employer, whereupon the guarantor's liability ceases.
7. This guarantee is neither negotiable nor transferable, and
 - (a) must be surrendered to the guarantor at the time when the employer accounts to the guarantor in terms of clause 4 above, or
 - (b) shall lapse on the date of the last certificate of practical completion.
8. This guarantee shall not be interpreted as extending the guarantor's liability to anything more than payment of the amount guaranteed.

SIGNED AT _____ ON THIS _____ DAY OF _____ 200__

AS WITNESS

1. _____
2. _____

By and on behalf of

(Insert the name and physical address of the guarantor)

NAME: _____

CAPACITY: _____
 (duly authorised thereto by resolution attached marked Annexure A)

DATE: _____

- A. No alterations and/or additions of the wording of this form will be accepted.
- B. The physical address of the guarantor must be clearly indicated and will be regarded as the guarantor's *domicilium citandi et executandi*, for all purposes arising from this guarantee.
- C. This GUARANTEE must be returned to: _____

DPW-10.3 (EC): VARIABLE CONSTRUCTION GUARANTEE - JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 4.1 of March 2005)

Director-General
Department of Public Works
Government of the Republic of South Africa

To: **Mr. Wandle Mankonkwana**
Private Bag X54315
Durban
4000

Sir,

VARIABLE CONSTRUCTION GUARANTEE FOR THE EXECUTION OF A CONTRACT IN TERMS OF JBCC 2000 (4.1 EDITION MARCH 2005)

1. With reference to the contract between _____
_____ (hereinafter referred to as the "contractor") and the Government of the Republic of South Africa, in its Department of Public Works, (hereinafter referred to as the "employer"), Contract/Tender No: **DBN21/08/04**, for the **DCS: WESTVILLE CORRECTIONAL SERVICE: INSTALLATION OF FACILITIES FOR PEOPLE WITH DISABILITIES**. (hereinafter referred to as the "contract" in the amount of R _____, (_____) (hereinafter referred to as the contract sum),
I / We, _____
in my/our capacity as _____ and hereby
representing _____ (hereinafter referred to as the "guarantor") advise that the guarantor holds at the employer's disposal the sum of R _____, (_____) being 10% of the contract sum (excluding VAT), for the due fulfillment of the contract.
2. I / We advise that the guarantor's liability in terms of this guarantee shall be as follows:
 - (a) From and including the date on which this guarantee is issued and up to and including the date of payment of the amount in the last final payment certificate, the guarantor will be liable in terms of this guarantee to the maximum amount of 10% of the contract sum (excluding VAT);
 - (b) The guarantor's liability shall reduce to 3 % of the contract value (excluding VAT) as determined at the date of the last certificate of practical completion, subject to such amount not exceeding 10% of the contract sum (excluding VAT).
 - (c) The guarantor's liability shall reduce to 1 % of the contract value (excluding VAT) as determined at the date of the last certificate of final completion, subject to such amount not exceeding 10 % of the contract sum (excluding VAT).
 - (d) This guarantee shall expire on the date of the last final payment certificate.
 - (e) The practical completion certificate and the final completion certificate referred to in this guarantee shall mean the certificates issued in terms of the contract.
3. The guarantor hereby renounces the benefits of the exceptions *non numeratae pecunia; non causa debiti; excussionis et divisionis; and de duobus vel pluribus rebus debendi* which could be pleaded against the enforcement of this guarantee, with the meaning and effect whereof I/we declare myself/ourselves to be conversant, and undertake to pay the employer the amount guaranteed on receipt of a written demand from the employer to do so, stating that the employer has a right of recovery against the contractor in terms of 33.0 of the contract.
4. Subject to the above, but without in any way detracting from the employer's rights to adopt any of the procedures provided for in the contract, the said demand can be made by the employer at any stage prior to the expiry of this guarantee.

DPW-10.3 (EC): Variable Construction Guarantee – JBCC

5. The amount paid by the guarantor in terms of this guarantee may be retained by the employer on condition that upon the issue of the last final payment certificate, the employer shall account to the guarantor showing how this amount has been expended and refund any balance due to the guarantor.
6. The employer shall have the absolute right to arrange his affairs with the contractor in any manner which the employer deems fit and the guarantor shall not have the right to claim his release on account of any conduct alleged to be prejudicial to the guarantor. Without derogating from the foregoing, any compromise, extension of the construction period, indulgence, release or variation of the contractor's obligation shall not affect the validity of this guarantee.
7. The guarantor reserves the right to withdraw from this guarantee at any time by depositing the amount guaranteed with the employer, whereupon the guarantor's liability ceases.
8. This guarantee is neither negotiable nor transferable, and
 - (a) must be surrendered to the guarantor at the time when the employer accounts to the guarantor in terms of clause 5 above, or
 - (b) shall lapse in accordance with clause 2(d) above.
9. This guarantee shall not be interpreted as extending the guarantor's liability to anything more than the payment of the amount guaranteed.

SIGNED AT _____ ON THIS _____ DAY OF _____ 200__

AS WITNESS

1. _____
2. _____

 By and on behalf of

(Insert the name and physical address of the guarantor)

NAME: _____

CAPACITY: _____
 (duly authorised thereto by resolution attached marked Annexure A)

DATE: _____

- A. No alterations and/or additions of the wording of this form will be accepted.
- B. The physical address of the guarantor must be clearly indicated and will be regarded as the guarantor's *domicilium citandi et executandi*, for all purposes arising from this guarantee.
- C. This guarantee must be returned to: _____



Part C2: Pricing Data

C2.1 Pricing Instruction

PG-02.2 (EC) PRICING INSTRUCTIONS - JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 4.1 of March 2005)

Project title:	DSC: WESTVILLE: INSTALLATION OF FACILITIES FOR PEOPLE WITH DISABILITIES		
Tender no:	DBN21/08/04	Reference no:	6306/2001/26/44

C2.1 Pricing Instructions

1. GENERAL

The Standard for Uniformity in Construction Procurement published in terms of the Construction Industry Development Board (CIDB) Act, 2000 (Act no. 38 of 2000), the Standardized Construction Procurement Documents for Engineering and Construction Works as issued by the CIDB and any other relevant documentation pertaining thereto must be studied and all principles in this regard must be applied to all procurement documentation, practices and procedures.

2. BILLS OF QUANTITIES

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

This bill of quantities have been drawn up in accordance with the Standard System of measuring Building works (sixth edition as amended) issued by the Association of South African Quantity Surveyors and the contractor is referred to the general instruction contained there

3. GENERAL PREAMBLES

For further amplification of description of materials to be used and methods to be adopted, the contractor is referred to the Specification of materials and methods to be used (PW371) as published by the department of Public works (4th revision, October 1993), the relevant descriptions which shall be deemed to be read and priced in conjunction with the descriptions in the bill of quantities. No claims arising from brevity of description of items fully described in the said specifications will be entertained.

This document Specification of Material and Methods to be used (PW371) is obtained on request from the head office and all regional offices of the department.

4. ORDERING OF MATERIALS

The contractor shall place orders timeously for materials or specified articles that are required. Should the bill of quantities be used for ordering materials, this shall be entirely at the contractor's risk.

5. IMPORTED MATERIALS AND EQUIPMENTS

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 items, material or equipment shall be excluded from currency fluctuations. (Refer to form DPW-23 EC for schedule of imported materials and equipment 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).

6. VALUE ADDED TAX

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

Ref. 6306/2001/26/44

Building Work / Specification

[yellow]

C2.2 Bills of Quantities

Section 1:	Preliminaries.....	1	to	30
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SECTION NO. 1

PRELIMINARIES



public works

Department:
Public Works
REPUBLIC OF SOUTH AFRICA

**PRELIMINARIES
FOR INCLUSION IN
BILLS OF QUANTITIES AND
LUMP SUM DOCUMENTS
BASED ON THE
JBCC SERIES 2000 DOCUMENTATION**

APRIL 2014

SECTION 1**PRELIMINARIES****MEANING OF TERMS "TENDER / TENDERER"**

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

PRELIMINARIES

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

PRICING OF PRELIMINARIES

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

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

SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT**DEFINITIONS**

A1.0

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 Guarantee" is amended by replacing it with the following:

"CONSTRUCTION GUARANTEE" means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule

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

Clause 1.1 Definition of "Corrupt Practice" is added:

"CORRUPT PRACTICE" means the 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.

Clause 1.1 Definition of "Fraudulent Practice" is added:

"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)

Clause 1.1 Definition of "Principal Agent" is amended by replacing it with the following:

"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

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

"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 expense or loss

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

OBJECTIVE AND PREPARATION

A2.0 OFFER, ACCEPTANCE AND PERFORMANCE

Clause 2.0

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

A3.0 DOCUMENTS

Clause 3.0

Clause 3.2.1 is amended by replacing "14.1" with "14.0"

Clause 3.7 is amended by the addition of the following:

The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all times

Clause 3.10 is amended by replacing the second reference to "principal agent" with the word "employer"

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

A4.0 DESIGN RESPONSIBILITY

Clause 4.0

Clause 4.3 is amended by replacing it with the following:

No clause

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

5.0

EMPLOYER'S AGENTS

Clause 5.0

Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8

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

A6.0

SITE REPRESENTATIVE

Clause 6.0

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

A7.0

COMPLIANCE WITH REGULATIONS

Clause 7.0

Note: A separate clause has been included in Section C: Specific Preliminaries of the bills of quantities / lump sum 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**

A8.0

WORKS RISK

Clause 8.0

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

A9.0

INDEMNITIES

Clause 9.0

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

A10.0

WORKS INSURANCES

Clause 10.0

Clause 10.0 is amended by the addition of the following clauses:

10.5 Damage to the Works

- (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
- (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
- (c) The employer shall carry the risk of damage to or destruction of the works and materials paid for by the employer that is the result of the excepted risks as set out in 10.6
- (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

10.6 Injury to Persons or loss of or damage to Properties

- (a) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable
- (b) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage 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 negligence of any person for whose actions the employer is legally liable
- (c) The contractor shall, upon receiving a contract instruction from the principal agent, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the employer shall be entitled to cause it to be made good and to recover the cost thereof from the contractor or to deduct the same from amounts due to the contractor
- (d) The contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion
- (e) Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor shall obtain adequate insurance and will remain adequately insured or insured to the specific limit stated in the contract against the death of or injury to persons or damage to such property consequent on such removal or interference with the support until such portion of the works has been completed
- (f) The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works

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

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

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

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

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

A11.0 LIABILITY INSURANCES

Clause 11.0

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

A12.0 EFFECTING INSURANCES

Clause 12.0

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

A13.0 No clause

A14.0 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 provided by the contractor to the employer will be 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 *mutatis mutandi* 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

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

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

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

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

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

14.4 Where security as a variable construction guarantee of ten per cent (10%) of the contract sum (excluding VAT) has been selected:

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

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

14.4.3 The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring

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

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:

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)

14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate of practical completion

14.5.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring

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

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

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:

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

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

14.6.3 The payment reduction of the value certified in a payment certificate shall be *mutatis mutandi* in terms of 31.8(A)

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

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:

14.7.1 The payment reduction of the value certified in a payment certificate shall be *mutatis mutandi* in terms of 31.8(B)

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

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

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

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

EXECUTION

A15.0

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 terms 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 15.1.4

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

<p>16.0</p> <p>Clause 16.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p>	<p>ACCESS TO THE WORKS</p>
<p>A17.0</p> <p>Clause 17.0</p> <p>Clause 17.1.11 is amended by deleting the words "and the appointment of nominated and selected subcontractors"</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p>	<p>CONTRACT INSTRUCTIONS</p>
<p>A18.0</p> <p>Clause 18.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p>	<p>SETTING OUT OF THE WORKS</p>
<p>A19.0</p> <p>Clause 19.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p>	<p>ASSIGNMENT</p>
<p>A20.0</p> <p>Clause 20.0</p> <p>Clause 20.1.3 is amended by replacing it with the following: No clause</p> <p>Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p>	<p>NOMINATED SUBCONTRACTORS</p>
<p>A21.0</p> <p>Clause 21.0</p> <p>Clause 21 is amended by replacing it with: No clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p>	<p>SELECTED SUBCONTRACTORS</p>
<p>A22.0</p> <p>Clause 22.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p style="text-align: right;">Item</p>	<p>EMPLOYER'S DIRECT CONTRACTORS</p>

<p>3.0</p> <p>A24.0</p> <p>A25.0</p> <p>A26.0</p> <p>A27.0</p> <p>A28.0</p> <p>A29.0</p> <p>A30.0</p> <p>A31.0</p>	<p>CONTRACTOR'S DOMESTIC SUBCONTRACTORS</p> <p>Clause 23.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p>COMPLETION</p> <p>PRACTICAL COMPLETION</p> <p>Clause 24.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p>WORKS COMPLETION</p> <p>Clause 25.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p>FINAL COMPLETION</p> <p>Clause 26.0</p> <p>Clause 26.1.2 is amended by inserting "#" next to 26.1.2</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p>LATENT DEFECTS LIABILITY PERIOD</p> <p>Clause 27.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p>SECTIONAL COMPLETION</p> <p>Clause 28.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p>REVISION OF DATE FOR PRACTICAL COMPLETION</p> <p>Clause 29.0</p> <p>Clause 29.2.5 is amended by replacing It with:</p> <p>No clause</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p>PENALTY FOR NON-COMPLETION</p> <p>Clause 30.0</p> <p>Fixed: _____ Value related: _____ Time related: _____</p> <p>PAYMENT</p> <p>INTERIM PAYMENT TO THE CONTRACTOR</p> <p>Clause 31.0</p> <p>Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"</p> <p>Clause 31.8 is amended by replacing it with the following two alternative clauses:</p>	<p>Item</p> <p>Item</p> <p>Item</p> <p>Item</p> <p>Item</p> <p>Item</p> <p>Item</p> <p>Item</p>	
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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

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 as a payment reduction in terms of 14.7 has been selected, 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: _____
Item

A32.0 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

33.0

RECOVERY OF EXPENSE AND LOSS

Clause 33.0

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

A34.0

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

A35.0

PAYMENT TO OTHER PARTIES

Clause 35.0

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

CANCELLATION

A36.0

CANCELLATION BY EMPLOYER – CONTRACTOR'S DEFAULT

Clause 36.0

Clause 36.1 is amended by the addition of the following clauses:

36.1.3 refuses or neglects to comply strictly with any of the conditions of contract

36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa

36.1.5 in the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract

Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "principal agent" with "employer"

Clause 36.0 is amended by the addition of the following clause:

36.7 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

7.0

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

A38.0

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

A39.0

CANCELLATION – CESSATION 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

DISPUTE

A40.0

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 costs concerning the mediation and equally share the costs of the mediator and related costs

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

SUBSTITUTE PROVISIONS

A41.0 STATE CLAUSES

Clause 41.0

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

CONTRACT VARIABLES

A42.0 THE SCHEDULE (DPW-04EC)

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**

SECTION B: JBCC PRELIMINARIES**B1.0 DEFINITIONS AND INTERPRETATION****B1.1 *Definitions and interpretation***

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

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

B2.0 DOCUMENTS**B2.1 *Checking of documents***

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

B2.2 *Provisional bills of quantities*

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

B2.3 *Availability of construction documentation*

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

B2.4 *Interests of agents*

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

B2.5 *Priced documents*

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

B2.6 *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: _____
Item

B3.0 THE SITE**B3.1 *Defined works area***

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

B3.2 *Geotechnical Investigation*

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

B3.3 *Inspection of the site*

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

SECTION 1: PRELIMINARIES (SECTION B)**Each Item Carried to Collection**

B3.4	Existing premises occupied	Fixed: _____	Value related: _____	Time related: _____	Item
B3.5	Previous work – dimensional accuracy	Fixed: _____	Value related: _____	Time related: _____	Item
B3.6	Previous work – defects	Fixed: _____	Value related: _____	Time related: _____	Item
B3.7	Services – known	Fixed: _____	Value related: _____	Time related: _____	Item
B3.8	Services – unknown	Fixed: _____	Value related: _____	Time related: _____	Item
B3.9	Protection of trees	Fixed: _____	Value related: _____	Time related: _____	Item
B3.10	Articles of value	Fixed: _____	Value related: _____	Time related: _____	Item
B3.11	Inspection of adjoining properties	Fixed: _____	Value related: _____	Time related: _____	Item
B4.0	MANAGEMENT OF CONTRACT				
B4.1	Management of the works	Fixed: _____	Value related: _____	Time related: _____	Item
B4.2	Programme for the works	Fixed: _____	Value related: _____	Time related: _____	Item
B4.3	Progress meetings	Fixed: _____	Value related: _____	Time related: _____	Item
B4.4	Technical meetings	Fixed: _____	Value related: _____	Time related: _____	Item
B4.5	Labour and plant records	Fixed: _____	Value related: _____	Time related: _____	Item

B5.0	SAMPLES, SHOP DRAWINGS AND MANUFACTURERS' INSTRUCTIONS		
B5.1	Samples of materials	Fixed: _____ Value related: _____ Time related: _____	Item
B5.2	Workmanship samples	Fixed: _____ Value related: _____ Time related: _____	Item
B5.3	Shop drawings	Fixed: _____ Value related: _____ Time related: _____	Item
B5.4	Compliance with manufacturers' instructions	Fixed: _____ Value related: _____ Time related: _____	Item
B6.0	TEMPORARY WORKS AND PLANT		
B6.1	Deposits and fees	Fixed: _____ Value related: _____ Time related: _____	Item
B6.2	Enclosure of the works	Fixed: _____ Value related: _____ Time related: _____	Item
B6.3	Advertising	Fixed: _____ Value related: _____ Time related: _____	Item
B6.4	Plant, equipment, sheds and offices	Fixed: _____ Value related: _____ Time related: _____	Item
B6.5	Main notice board	Fixed: _____ Value related: _____ Time related: _____	Item
B6.6	Subcontractors' notice board	Fixed: _____ Value related: _____ Time related: _____	Item
B7.0	TEMPORARY SERVICES		
B7.1	Location	Fixed: _____ Value related: _____ Time related: _____	Item
B7.2	Water	Fixed: _____ Value related: _____ Time related: _____	Item

SECTION 1: PRELIMINARIES (SECTION B)

Each Item Carried to Collection

B7.3	Electricity	Fixed: _____	Value related: _____	Time related: _____	Item
B7.4	Telecommunication facilities	Fixed: _____	Value related: _____	Time related: _____	Item
B7.5	Ablution facilities	Fixed: _____	Value related: _____	Time related: _____	Item
B8.0	PRIME COST AMOUNTS				
B8.1	Responsibility for prime cost amounts	Fixed: _____	Value related: _____	Time related: _____	Item
B9.0	ATTENDANCE ON N/S SUBCONTRACTORS				
B9.1	General attendance	Fixed: _____	Value related: _____	Time related: _____	Item
B9.2	Special attendance	Fixed: _____	Value related: _____	Time related: _____	Item
B9.3	Commissioning – fuel, water and electricity	Fixed: _____	Value related: _____	Time related: _____	Item
B10.0	FINANCIAL ASPECTS				
B10.1	Statutory taxes, duties and levies	Fixed: _____	Value related: _____	Time related: _____	Item
B10.2	Payment for preliminaries	Fixed: _____	Value related: _____	Time related: _____	Item
B10.3	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 / lump sum document"			
		Fixed: _____	Value related: _____	Time related: _____	Item
B10.4	Payment certificate cash flow	Fixed: _____	Value related: _____	Time related: _____	Item

B11.0	GENERAL			
B11.1	Protection of the works	Fixed: _____	Value related: _____	Time related: _____ Item
B11.2	Protection / Isolation of existing / sectionally occupied works	Fixed: _____	Value related: _____	Time related: _____ Item
B11.3	Security of the works	Fixed: _____	Value related: _____	Time related: _____ Item
B11.4	Notice before covering work	Fixed: _____	Value related: _____	Time related: _____ Item
B11.5	Disturbance	Fixed: _____	Value related: _____	Time related: _____ Item
B11.6	Environmental disturbance	Fixed: _____	Value related: _____	Time related: _____ Item
B11.7	Works cleaning and clearing	Fixed: _____	Value related: _____	Time related: _____ Item
B11.8	Vermin	Fixed: _____	Value related: _____	Time related: _____ Item
B11.9	Overhand work	Fixed: _____	Value related: _____	Time related: _____ Item
B11.10	Instruction manuals and guarantees	Fixed: _____	Value related: _____	Time related: _____ Item
B11.11	As built information	Fixed: _____	Value related: _____	Time related: _____ Item
B11.12	Tenant Installations	Fixed: _____	Value related: _____	Time related: _____ Item

B1-9

SCHEDULE OF VARIABLES

B12.1

Schedule of variables

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

This **schedule** contains all variables referred to in this document and is divided into pre-tender 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

12.1	PRE-TENDER INFORMATION	
12.1.1	Provisional bills of quantities	
[2.2]	The quantities are provisional	(yes/no) <input type="checkbox"/> No
12.1.2	Availability of construction documentation	
[2.3]	Construction documentation is complete	(yes/no) <input type="checkbox"/> Yes
12.1.3	Interests of agents	
[2.4]	None	
12.1.4	Defined works area	
[3.1]	As indicated at the compulsory site inspection meeting or at site hand-over.	
12.1.5	Geotechnical Investigation	
[3.2]	Information available from the Civil and Structural Engineers.	
12.1.6	Existing premises occupied	
[3.4]	Specific requirements: <i>Existing site and buildings are not occupied.</i>	
12.1.7	Previous work – dimensional accuracy	
[3.5]	Details: <i>Not Applicable</i>	
12.1.8	Previous work – defects	
[3.6]	Details: <i>Not Applicable</i>	
12.1.9.	Service – known	
[3.7]	The Principal Agent will indicate the connection points to the Contractor on site.	
12.1.10	Protection of trees	
[3.9]	Specific requirements: <i>The Principal Agent will indicate any trees to be removed by the Contractor on site.</i>	
12.1.11	Inspection of adjoining properties	
[3.11]	Specific requirements: <i>Not Applicable</i>	
12.1.12	Enclosure of the works	

[6.2]	Specific requirements: <i>The existing site is fenced off. Contractor must make allowance to enclose sections of work in additions to buildings and around areas where new ramps and stairs will be constructed.</i>		
12.1.13 [6.4.3]	Offices 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.		
12.1.14 [6.5]	Main notice board Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m as type Drawing GEN 063, 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 [6.6]	Subcontractors' notice board A notice board is required Specific requirements:	(yes/no)	<input type="checkbox"/> No
12.1.16 [7.2]	Water Option A (by contractor)	(yes/no)	<input checked="" type="checkbox"/> yes
	Option B (by employer – free of charge)	(yes/no)	<input type="checkbox"/> No
	Option C (by employer – metered)	(yes/no)	<input type="checkbox"/> No
12.1.17 [7.3]	Electricity Option A (by contractor)	(yes/no)	<input checked="" type="checkbox"/> yes
	Option B (by employer – free of charge)	(yes/no)	<input type="checkbox"/> No
	Option C (by employer – metered)	(yes/no)	<input type="checkbox"/> No
12.1.18 [7.4]	Telecommunications Telephone	(yes/no)	<input checked="" type="checkbox"/> yes
	Facsimile	(yes/no)	<input checked="" type="checkbox"/> yes
	E-mail	(yes/no)	<input type="checkbox"/> No
12.1.19 [7.5]	Ablution facilities Option A (by contractor)	(yes/no)	<input checked="" type="checkbox"/> yes
	Option B (by employer)	(yes/no)	<input type="checkbox"/> No
12.1.20 [11.2]	Protection of existing/sectionally occupied works Protection is required	(yes/no)	<input checked="" type="checkbox"/> yes
12.1.21 [9.2]	Special attendance Subcontractor (1) details: Subcontractor (2) details:		

Subcontractor (3) details:

Subcontractor (4) details:

12.1.22
[11.1]

Protection of the works
Specific requirements:

12.1.23
[11.5]

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

12.1.24
[11.6]

Environmental disturbance
Specific requirements:

12.2
12.2.1

POST-TENDER INFORMATION
Payment of preliminaries

[10.2]

Option A (prorated)

(yes/no)

Option B (calculated)

(yes/no)

12.2.2
[10.3]

Adjustment of preliminaries
Option A (three categories)

(yes/no)

Option B (detailed breakdown)

(yes/no)

12.2.3

Additional agreed preliminaries items
Details:

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

C1.0 CONTRACT DRAWINGS

** Select relevant paragraph and delete whichever is not applicable depending on whether the contract is based on a bills of quantities or lump sum document*

* 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

* A full set of drawings is issued with the tender documents indicating the full scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed

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

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

C2.0 PREAMBLES

The document "Construction Works: Specifications: General Specification (PW371-A) Edition 2.0" is obtainable on the Department's website (<http://www.publicworks.gov.za/> under "Consultants Guidelines"), and shall be read in conjunction with the bills of quantities / lump sum document and be referred to for the full descriptions of work to be done and materials to be used

The document "Construction Works: Specifications: Particular Specification (PW371-B) Edition 2.0" is issued together with the drawings and shall be read in conjunction with the drawings and the bills of quantities / lump sum document

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

C3.0 TRADE NAMES

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

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

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

C4.0

IMPORTED MATERIALS AND EQUIPMENT

Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer)

Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)

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

C5.0

VIEWING THE SITE IN SECURITY AREAS

The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes

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

C6.0

COMMENCEMENT OF WORKS IN SECURITY AREAS

As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account

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

C7.0

ENTRANCE PERMITS TO SECURITY AREAS

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

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

C8.0

SECURITY CHECK OF PERSONNEL

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

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

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

PROHIBITION ON TAKING OF PHOTOGRAPHS

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

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

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

C10.0 HIV/AIDS AWARENESS

It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / 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

The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment

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

C10.2 AWARENESS WORKSHOPS

Selection and appointment of a competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification

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

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

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

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

C11.0 OCCUPATIONAL HEALTH AND SAFETY ACT

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

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

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

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

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

C12.0 EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) INFRASTRUCTURE PROJECTS: NATIONAL YOUTH SERVICE (NYS)

The contractor shall comply with all the requirements as set out in the "Additional Specification SL: Employment and Training of Youth Workers on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service (NYS)" as attached to these bills of quantities

The contractor shall identify a minimum number of youth workers from a priority list, and shall employ them at the statutory labour rates for a minimum period and train them, all as per the aforementioned specification and as elsewhere measured in these bills of quantities

The contractor shall liaise and co-ordinate with the employer and the EPWP Training Service Provider with regard to the priority list, the selection of youth workers, and the employment and training of the identified youth workers

The contractor shall avail the services of an adequately qualified foreman specifically for the EPWP-NYS youth workers, to act as their construction supervisor. The foreman will be responsible for continually monitoring the progress of the youth workers and for addressing questions and issues that may arise from the youth workers

Separate items which will be subject to remeasurement have been included elsewhere in these bills of quantities to cover the direct costs associated with the employment and training of the youth workers. Any additional requirements in respect of the aforementioned specification are deemed to be priced hereunder and no additional claims in this regard shall be entertained

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

C13.0

IMPLEMENTATION OF LABOUR-INTENSIVE INFRASTRUCTURE PROJECTS UNDER THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP)

The contractor shall comply with all the requirements of the "Code of Good Practice for Employment and Conditions of Work for Special Public Works Programmes" issued in terms of the "Basic Conditions of Employment Act, 1997 (Act No 75 of 1997)" and the related "Ministerial Determination", for the employment of locally employed temporary workers on a labour-intensive infrastructure project under the Expanded Public Works Programme (EPWP)

The contractor shall maintain daily records with regard to the workers employed and shall, on a monthly basis, submit a report to the principal agent in the prescribed format. Compulsory indicators such as the project budget, actual project expenditure, number of job opportunities created, demographic characteristics of workers employed, minimum daily wage rate, number of person-days of employment created and number of training person-days, shall be included in said report, all as defined in the "Guidelines for the Implementation of Labour-Intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP)"

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect 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

**SECTION 1
PRELIMINARIES**

COLLECTION

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B3.8	Services – unknown	15
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Carried forward R		

		Brought forward R
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PRELIMINARIES**

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SUBTOTALS:	R	C
Category: Fixed R		
Category: Value R		
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SECTION NO. 2

BUILDING WORK

[Yellow]

Item

Quantity

Rate

Amount

SECTION No. 2

BILL No. 1

ALTERATIONS (PROVISIONAL)

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

SUPPLEMENTARY PREAMBLES

Items, materials or methods

Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other approved - on the condition that prior approval is obtained from the architect

General

In taking down and removing existing work, the utmost care shall be observed to prevent any structural or other damages to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc. to ensue the stability of all structures during the alteration work.

The Contractor shall cover up and protect from injury or damage all work not removed and shall make good at his own expense any damage that may occur. Special care shall be exercised during the progress of the work to ensure that any electrical installations, water supply pipes, telephone and other services which may be encountered are not interfered with and notice shall be given to the Representative/Agent if any disconnection or alterations become necessary. Water supply pipes, drains, and other services that may be encountered and found necessary to disconnect or cut, are to be effectively stopped off and any necessary new connections made with and including the proper fittings to the satisfaction of the Representative /Agent, to whom due notice shall be given of all alterations to existing services.

Carried to Collection

R

Section 2
Bill 1
Alterations (Provisional)

The Contractor shall take all precautions necessary to prevent any nuisance from dust whilst carrying out the work.

All dimensions given in this Bill are approximate dimensions and shall be checked on site before ordering any materials or items. No claims in this regard will be entertained

Materials from the Alterations

Materials to be recovered from the alterations (except where described as to be re-used or to be handed over to the Employer) will become the property of the Contractor, who may allow credit in respect thereof where provided for in the "Final Summary". Such material shall not be re-used in new work without the written permission of the Representative / Agent.

Materials described as "removed" shall be removed from site immediately.

Materials described as "hand over to the Employer", shall be carefully dismantled where necessary, neatly stored under cover on site where directed and protected from damage, until required..

Materials described as "set aside for re-use" shall be carefully dismantled where necessary, cleaned, neatly stored under cover and protected from damage until required for re-use. Any damage caused to such materials during removal, storage or refixing shall be made good at the Contractor's expense.

Materials described as "hand over to the Employer", shall be carefully dismantled where necessary, neatly stored under cover on site where directed and protected from damage, until required..

Materials described as "set aside for re-use" shall be carefully dismantled where necessary, cleaned, neatly stored under cover and protected from damage until required for re-use. Any damage caused to such materials during removal, storage or refixing shall be made good at the Contractor's expense.

Disposal of Debris, etc.

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

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Section 2
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Making Good Damaged Work

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 existing.

Forming New Openings or Altering Openings In Existing Walls.

Where new openings are formed or openings altered in existing walls, the wall above the opening shall be broken out and a new brick, in-situ concrete or prestressed concrete lintel inserted, complete with all necessary reinforcement, formwork, turning piece, etc., the jambs and portions of openings as described shall be built up with new brickwork or blockwork properly toothed and bonded to existing, cavities of hollow walls shall be built solid where necessary and finishes shall be made good all round and into reveals as described.

Building up Openings

Where existing openings are given in number as built up, the existing surfaces all round shall be prepared as necessary, brickwork or blockwork properly toothed and bonded to existing, wedged up to underside of existing lintel and finishes shall be made good on both sides as described.

(WORK GROUP 102)

Materials from the Alterations handed over to DCS

Materials removed under this section, that is still in good condition, should be removed as described under "hand over to Employer" and handed over to the Westville DCS Maintenance Department. Item rates and the calculation for credit on the Final Summary must take this into account.

TEMPORARY BARRIERS, SCREENS, ETC

Temporary barriers, screens, etc including removal

1	Temporary shade cloth screen 2m high of 70% shade cloth including gumpole posts, supports, fixing, etc	m	130
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Carried to Collection

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Section 2
Bill 1
Alterations (Provisional)

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

REMOVAL OF EXISTING WORK

Breaking up and removing

2	Bituminous road surfacing not exceeding 50mm thick	m2	43
3	110 x 220mm Brick paving	m2	22
4	Precast concrete kerbing including backfilling and compaction	m	30

Breaking up and removing mass concrete

5	Steps and ramps	m3	10
6	100mm Thick slabs	m2	19
7	100mm Thick surface bed including clay tile finish	m2	4

Breaking up and removing reinforced concrete, including cutting off and removing reinforcement, temporary support and barrier around area to be demolished

8	3720 x 1060mm Portion of 250mm thick cantilever slab 3m above ground level	No	1
9	3720 x 1060mm Portion of 250mm thick cantilever slab 6m above ground level	No	1

Breaking down and removing brickwork etc

10	Half brick wall	m2	94
11	One brick wall	m2	46
12	One brick wall and set aside face bricks for re-use in building up of openings (elsewhere)	m2	3
13	330mm Brick wall	m2	2
14	Stone pitching to embankment	m2	19

Taking out and removing doors, windows, etc. from brickwork to be demolished and hand over to the Employer

15	Timber single door frame not exceeding 2,5m2 from half brick wall	No	4
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Carried to Collection

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Section 2
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Alterations (Provisional)

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

16	Timber single door frame not exceeding 2,5m ² from half brick wall and set aside and reinstall in new position (elsewhere measured)	No	5
17	Glazed steel windows not exceeding 2,5m ² from one brick walls	No	1
18	Glazed steel windows exceeding 5m ² and not exceeding 7,5m ² from one brick walls	No	2
<u>Taking out and removing doors, windows, etc., hand over to the Employer and prepare to receive new doorframes, doors and windows (elsewhere) including making good plaster on both sides (making good of paintwork elsewhere measured)</u>			
19	Timber double door and frame exceeding 2,5m ² and not exceeding 5m ² from one brick wall	No	2
<u>Taking out and removing windows, doors, etc including sills, lintels, etc., hand over to the Employer and build up openings in brick walls including making good of cement plaster on both sides (making good paintwork elsewhere)</u>			
20	Timber door and frame 813 x 2032mm high overall from one brick walls	No	1
21	Glazed steel window 2000 x 510mm high overall from one brick walls	No	1
<u>Taking out and removing windows, doors, etc including sills, lintels, etc., hand over to the Employer and build up openings in brick walls including making good of cement plaster on one side and face brick finish to match the existing on the other side (making good paintwork elsewhere)</u>			
22	Timber door and frame 813 x 2400mm high overall from one brick walls	No	2
23	Timber double door and frame 1670 x 2150mm high overall from one brick walls and leave opening 1511 x 1540mm high for new window (elsewhere measured)	No	1
24	Glazed steel window 1100 x 2740mm high overall from one brick walls and leave opening 1022 x 654mm high for new window (elsewhere measured)	No	1

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Section 2
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**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

	<u>Taking out and removing windows, doors, etc including sills, lintels, etc., hand over to the Employer and build up openings in brick walls including making good of cement plaster on one side and face brick finish, with face bricks from the demolitions, on the other side (making good paintwork elsewhere)</u>			
25	Glazed steel window 710 x 2 600mm high overall from 270mm cavity wall	No	1	
	<u>Taking out and removing windows, doors, etc including sills, lintels, etc., hand over to the Employer and partially build up and enlarge openings in brick walls including making good of cement plaster on both sides (making good paintwork elsewhere)</u>			
26	Timber door and steel door frame 813 x 2032mm high overall from half brick wall and set aside to be build into new opening elsewhere, break out 500mm brickwork to one side and brick up 400mm wide opening to other side to leave opening 950 x 2032mm high for new door	No	1	
27	Timber door and steel door frame 813 x 2032mm high overall from half brick wall and break out 500mm brickwork to one side and brick up 300mm wide opening to other side to leave opening for new door 950 x 2032mm high (elsewhere measured) (LI)	No	1	
28	Timber door and steel door frame 813 x 2032mm high overall from one brick wall and set aside door to be fitted to new door frame (elsewhere) and brick up opening and leave opening for new window 600 x 1200mm high (elsewhere measured)	No	1	
	<u>Taking out and removing windows, doors, etc including sills, lintels, etc., hand over to the Employer and enlarge openings in brick walls including making good of cement plaster on both sides (making good paintwork elsewhere)</u>			
29	Timber door and steel door frame 813 x 2032mm high overall from half brick wall and enlarge opening for new door 950 x 2032mm high (elsewhere measured)	No	5	
30	Timber door and steel door frame 813 x 2032mm high overall from one brick wall and enlarge opening for new door 950 x 2032mm high (elsewhere measured)	No	5	
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**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

ROOFS, FLOORS, CEILINGS, ETC.

Taking down and removing roofs, floors, panelling, ceilings, partitions, etc. and hand over re-usable material to the Employer

31	Gypsum plasterboard ceilings including cornices, timber bandering, etc	m2	7
32	Suspended ceilings including cornices, hangers, etc	m2	48

JOINERY FITTINGS, ETC.

Taking out and removing sundry joinery work, fittings, etc. and hand over re-usable material to the Employer

33	Timber bumper rails not exceeding 300mm wide from wall complete with brackets and make good finishes disturbed	m	60
34	Timber shelving not exceeding 300mm wide from wall complete with all supports, cleats or/and framework and make good all finishes disturbed	m	38
35	Timber wall cupboard 3000 x 300 x 600mm high	No	1
36	L-shaped timber floor cupboard 3750 x 600 x 900mm high	No	1
37	Timber sink cupboard 1800 x 600 x 900mm high, including sink and disconnecting waste pipe (new trap and connecting to new waste pipe elsewhere)	No	1

FLOOR COVERINGS

Taking up and removing wood block floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings

38	Vinyl asbestos or asphalt tile floor coverings including timber skirtings (New screeds and floor finishes elsewhere measured)	m2	123
39	75mm High timber skirting from wall	m	6

IRONMONGERY

Taking out and removing Ironmongery

40	Paper towel dispensar	No	2
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Section 2
Bill 1
Alterations (Provisional)

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

41	Rear or side paraplegic grab rails	No	3
<u>METALWORK</u>			
<u>Taking out sundry metalwork including making good of finishes and hand ovr re-usable material to the Employer</u>			
42	Take off and remove 1400mm long x 900mm high handrail	No	1
43	Take off and remove 50mm diameter x 1500mm long pipe handrail including two brackets bolted to wall	No	1
44	Take off and remove 2000mm long x 900mm high handrail including two posts	No	1
45	Take off and set aside 4590 x 900mm high handrail consisting of two rails and three stanchions, cut and remove 1500mm length from rails and re-install handrail in existing position including new expansion bolts	No	1
46	Cut opening size 950 x 2100mm high in existing security screen for new gate (elsewhere measured)	No	1
47	Cut opening size 1510 x 1070mm high in security screen for new gate (elsewhere measured)	No	1
48	Take off and remove sliding gate from 813 x 2032mm door and make good finishes	No	1
49	Take off and remove steel gate size 950 x 2120mm high from existing frame and prepare to receive new gate (elsewhere measured)	No	1
50	Adjust bottom of steel security gate to suit new raised floor level	No	1
<u>Service steel windows, clean and service handles, stays, etc and lubricate hinges with an approved lubricant and leave in good working order</u>			
51	Glazed steel window not exceeding 2,5m ²	No	3

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Section 2
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Alterations (Provisional)

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

PLASTER AND WALL FINISHES

Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes

52	Ceramic tiles to floors	m2	33
53	Tiles to walls	m2	115

SANITARY FITTINGS, PLUMBING, ETC

Taking out and removing sanitary fittings, etc including disconnecting from piping, prepare to receive new fitting (elsewhere) and making good all finishes disturbed and hand over re-usable material to the Employer

54	Remove 15mm tap from hand wash basin and prepare to receive new taps (elsewhere measured)	No	2
55	Vitreous china wash hand basin	No	14
56	Vitreous china wash hand basin, set aside for re-use (elsewhere)	No	1
57	Vitreous china WC pan with low level cistern	No	14
58	Vitreous china bowl urinal complete with flush valve and pipe	No	2

GLAZING

Taking out and removing glass and mirrors

59	Mirrors from wall including making good plaster finish	No	1
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PREPARATORY WORK TO EXISTING SURFACES

60	Hacking faces of existing plaster and painted walls to provide key to receive new tiles (elsewhere measured)	m2	204
61	Hacking faces of existing concrete surface beds to provide key to receive new screeds or ramps (elsewhere measured)	m2	86

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Section 2
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Alterations (Provisional)

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

MAKING GOOD OF FINISHES, ETC

Making good internal cement plaster

62	Walls where half brick wall was removed	m	48	
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Making good cement screeds

63	Floors where half brick walls was removed	m	35	
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OPENINGS THROUGH EXISTING WALLS, ETC.

Breaking out for and forming openings through brick walls for new doors and frames including necessary precast concrete lintols and making good plaster on both sides and into reveals and with 20MPa concrete thresholds with steel trowelled finish (new doors and frames and making good paintwork elsewhere)

64	Opening for door with steel frame 813 x 2 032mm high overall through half brick wall	No	1	
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65	Opening for door with steel frame 813 x 2 032mm high overall through one brick wall	No	2	
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66	Opening for door with steel frame 950 x 2 032mm high overall through half brick wall	No	1	
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67	Opening for door with steel frame 950 x 2 032mm high overall through one brick wall	No	4	
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REPAIRS TO ROAD SURFACING

68	Repair bitumen road surfacing in small areas against foundation walls with premix bitumen to match the existing levels	m2	6	
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**DCS: WESTVILLE CORRECTIONAL SERVICE
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**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

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SECTION No. 2

BILL No. 2

FOUNDATIONS (PROVISIONAL)

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

SUPPLEMENTARY PREAMBLES

Items, materials or methods

Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other approved - on the condition that prior approval is obtained from the architect

Nature of ground

A soils investigation has been carried out on site by the engineer and the report is annexed to these Bills of Quantities. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "pickable material" described in the above report and where conditions of a more difficult character are indicated these are separately measured

Filling supplied by the contractor

The Contractor must ensure that the material from the quarry that he is basing his rate on conforms to the required minimum specification. Rates for items that include clearing and filling must include for multiple handling and transport thereof on site

Excavation depths

Unless otherwise described, all excavation depths shall be taken from the average reduced, natural or filled ground level

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Section 2
Bill 2
Foundations (Provisional)

Carting away of excavated material

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

Filling

Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material

Subterranean water

No information regarding subterranean water is available. The Contractor must acquaint himself of the presence and depth of subterranean water and allow therefore in his prices

CPAP WORK GROUP

Unless otherwise stated all items in this bill will be Work Group 104

DEMOLITIONS ETC

Taking down and set aside to re-install

1	Take down and remove flag pole complete with concrete base, set aside and re-install in new position complete with new 600 x 600 x 1000mm deep 25MPa concrete base, including excavations, carting away, anchor bolts, etc.	No	1
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SITE CLEARANCE, ETC

Site clearance

2	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	112
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Section 2
Bill 2
Foundations (Provisional)

EXCAVATION. ETC

Open face excavation in soft material over sloping site

3	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	5
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Excavation in earth not exceeding 2m deep

4	To reduce levels under floors (LI)	m3	6
5	Trenches	m3	63
6	Holes	m3	2

Extra over trench and hole excavations in earth for breaking up and removing

7	Soft rock	m3	17
8	Hard rock	m3	9

Extra over trench excavations in earth for breaking up and removing:

9	Brickwork	m3	16
10	Unreinforced concrete	m3	8

Extra over all excavations for carting away

11	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	56
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Risk of collapse of excavations

12	Sides of trench and hole excavations not exceeding 1,5m deep	m2	179
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Keeping excavations free from water

13	Keeping excavations free from mud and all water other than from subterranean sources		Item
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Section 2
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Foundations (Provisional)

FILLING, ETC

Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 90% Mod AASHTO density

14 Backfilling to trenches, holes, etc m3 19

Imported G5 material in accordance with SANS 1200 DM, supplied by the contractor and brought onto site, compacted in layers not exceeding 150mm thick to 95% Mod AASHTO density

15 Under floors, steps, pavings, etc m3 87

Coarse river sand filling

16 Under floors, etc m3 6

Compaction of surfaces

17 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 90% Mod AASHTO density m2 139

Prescribed density tests on filling

18 "Modified AASHTO Density" test No 26

PROTECTION AGAINST TERMITES

Soil Insecticide

19 Under floors, etc including forming and poisoning shallow furrows against foundation walls, etc and filling in furrows and ramming m2 124

20 To bottoms and sides of trenches etc m2 286

(WORK GROUP 110)

CONCRETE, FORMWORK AND REINFORCEMENT

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Section 2
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General

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 architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)

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

Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"

**UNREINFORCED CONCRETE CAST AGAINST
EXCAVATED SURFACES**

15Mpa concrete

21	Surface blinding under footings and bases	m3	5
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35Mpa concrete

22	Strip footings	m3	31
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23	Bases	m3	1
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REINFORCED CONCRETE CAST ON/IN FORMWORK

35Mpa concrete

24	Columns in foundations	m3	0.1
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TEST BLOCKS

25	Making and testing 150 x 150 x 150mm concrete strength test cube	No	42
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Section 2
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Foundations (Provisional)

(WORK GROUP 111)

FORMWORK CLASS F1 (ORDINARY FINISH)

Formwork to sides

26	Rectangular columns in foundations	m2	2	
27	Steppings in foundations	m2	1	

(WORK GROUP 114)

REINFORCING

High tensile steel bar reinforcing

28	10mm Diameter bars	t	0.01	
29	12mm Diameter bars	t	2.65	
30	16mm Diameter bars	t	0.01	

(WORK GROUP 116)

BRICKWORK

SUPPLEMENTARY PREAMBLES

Sizes in descriptions

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

Samples

Samples of all masonry building units, except those for walls described as "load bearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "load bearing" shall consist of 30 units from every 30 000 units delivered to site

Brickwork of NFX bricks (14 MPa nominal compressive strength) in class I mortar

31	One brick (230mm) walls	m2	107	
32	One-and-a-half brick (330mm) walls	m2	16	

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	<u>BRICKWORK SUNDRIES</u>		
	<u>Brickwork reinforcement</u>		
33	150mm Wide reinforcement built in horizontally in foundation	m	1 234
	<u>(WORK GROUP 142)</u>		
	<u>EXTERNAL PLASTER</u>		
	<u>1-4 Cement plaster finished with a steel trowel on brickwork;</u>		
34	On walls	m2	18
	<u>(WORK GROUP 152)</u>		
	<u>PAINTWORK</u>		
	<u>PAINTWORK, ETC TO NEW WORK</u>		
	<u>ON PLASTER, ETC.</u>		
	<u>Prepare and apply two coats textured acrylic paint</u>		
35	On external walls	m2	18

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**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

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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"

(WORK GROUP 110)

UNREINFORCED CONCRETE CAST ON/IN FORMWORK

30Mpa concrete

1	Steps	m3	0.4
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REINFORCED CONCRETE

30Mpa concrete

2	Surface beds cast in panels on waterproofing	m3	7
3	Ramps	m3	13
4	Thickening to edge of surface bed 115 x 35mm deep, including all necessary excavation, trimmings, etc.	m	7

REINFORCED CONCRETE CAST ON/IN FORMWORK

35Mpa concrete

5	Columns	m3	0.3
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40Mpa concrete

6	Slabs including beams and inverted beams	m3	14
---	--	----	----

CONCRETE TESTING

TEST BLOCKS

7	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	60
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Carried to Collection

R

Section 2
Bill 3
Concrete, Formwork & Reinforcement

Item

Quantity

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SECTION No. 2

BILL No. 3

CONCRETE, FORMWORK AND REINFORCEMENT

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

SUPPLEMENTARY PREAMBLES

Items, materials or methods

Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other approved - on the condition that prior approval is obtained from the architect

General

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 architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)

Breeze concrete shall consist of twelve parts clean dry furnace ash, free from coal or other foreign matter, to one part cement (12:1), the ash graded up to particles which will pass a 16,5mm ring from a minimum which fails to pass a 4,75mm mesh. The finer materials from the screening are to be first mixed with the cement into a mortar and the ash added afterwards and thoroughly incorporated

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 to Collection

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Section 2
Bill 3
Concrete, Formwork & Reinforcement

CONCRETE SUNDRIES

Finishing top surfaces of concrete smooth with a wood float

8	Surface beds, slabs, etc	m2	95
9	Surface beds, slabs, etc slight falls	m2	124

Finishing to top surfaces of concrete and roll with a sponge roller to a non-slip finish:

10	Surface beds, slabs, etc	m2	1
11	Surface beds, slabs, etc to falls	m2	31

Angle section structural support

12	150 x 150 x 10mm Angle section structural support anchored to existing structure with Y16 chemical anchors at 400mm centres including drilling of holes into concrete or brickwork	m	3
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(WORK GROUP 111)

ROUGH FORMWORK (Degree of accuracy II)

Formwork to sides

13	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	27
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SMOOTH FORMWORK (DEGREE OF ACCURACY II)

Smooth formwork to sides

14	Rectangular columns	m2	5
15	Beams	m2	2
16	Inverted beams above concrete	m2	6
17	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	56

Smooth formwork to soffits

18	Slabs propped up exceeding 1,5m and not exceeding 3,5m high	m2	42
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Carried to Collection

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Section 2
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Concrete, Formwork & Reinforcement

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

<u>Boxing in to smooth finish formwork to form</u>			
19	110mm Diameter opening through 150mm thick wall	No	1
20	15 x 15mm Horizontal chases or grooves in soffit of slab along edge to form drip	m	17
<u>MOVEMENT JOINTS, ETC</u>			
<u>Two layers of 3 ply malthold laid loose on top as slip joints between horizontal concrete and brick surfaces including cement mortar bed</u>			
21	Not exceeding 300mm wide	m	57
<u>Expansion joints with bitumen Impregnated softboard between vertical concrete or brick surfaces</u>			
22	10mm Joints not exceeding 300mm high	m	247
<u>(WORK GROUP 114)</u>			
<u>REINFORCEMENT (PROVISIONAL)</u>			
<u>High tensile steel bar reinforcing</u>			
23	10mm Diameter bars	t	1.52
24	16mm Diameter bars	t	0.10
<u>Fabric reinforcement</u>			
25	Type 395 fabric reinforcement in concrete slabs	m2	12
26	Type 617 fabric reinforcement in concrete slabs	m2	23
27	Type 888 fabric reinforcement in concrete slabs	m2	189

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Concrete, Formwork & Reinforcement

Section 2

Bill 3

Concrete, Formwork & Reinforcement

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Concrete, Formwork & Reinforcement

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SECTION No. 2

BILL No. 4

MASONRY

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

SUPPLEMENTARY PREAMBLES

Items, materials or methods

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BRICKWORK

(WORK GROUP 116)

Sizes in descriptions

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

Hollow walls, etc

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

Face bricks

Face bricks shall be ordered timeously to obtain uniformity in size and colour

Pointing

Descriptions of pointing to face brickwork, lintels, copings, etc shall be pointed with ruled horizontal and vertical joints

Carried to Collection

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Bill 4
Masonry

Quantity

Rate

Amount

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Brickwork Bond

All brickwork shall be laid in stretcher bond unless otherwise stated

Wire ties

All wire ties are to be 250 x 20 x 3mm thick galvanised vertical twisted ties

Hollow walls, etc.

Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole. Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixeal" bitumen emulsion waterproof coating.

BRICKWORK

Brickwork of 'Corobrik NFP' bricks in Class II mortar:

1	Half brick walls	m2	72
2	Half brick wall in lining to concrete including wire ties	m2	4
3	One brick walls	m2	160
4	250mm Hollow walls of two half brick skins including wire ties	m2	6
5	One brick kerbs 100mm high	m	8

Brickwork of NFX bricks in class I mortar in loadbearing walls, etc

6	One brick walls	m2	99
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BRICKWORK SUNDRIES

Bagging of 1:3 cement and sand mixture

7	On brick surfaces and between skins of brickwork	m2	219
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Carried to Collection

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Section 2
Bill 4
Masonry

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

<u>Brickwork reinforcement</u>			
8	75mm Wide reinforcement built in horizontally	m	211
9	150mm Wide reinforcement built in horizontally	m	812
<u>Prestressed fabricated lintels</u>			
10	110 x 75mm Lintels in lengths not exceeding 3m	m	48
<u>Turning pieces</u>			
11	220mm Wide turning piece to lintels, etc	m	10
<u>FACE BRICKWORK</u>			
<u>Face brickwork in "Corobrik Firelight Satin (FBX)" or other approved face bricks with recessed horizontal and vertical joints</u>			
12	Extra over brickwork for face brickwork in foundations (Provisional)	m2	13
13	Extra over brickwork for face brickwork	m2	130
14	Fair cutting and fitting around pipe not exceeding 100mm diameter (Provisional)	No	18
15	Fair cutting and fitting around pipe exceeding 100mm and not exceeding 200mm diameter (Provisional)	No	12
<u>Brick-on-edge header course copings, sills, etc of "Corobrik Firelight Satin (FBX)" face bricks with recessed joints on all exposed faces</u>			
16	Lintel course in one brick wall pointed on 110mm wide projecting soffit and one side	m	5
17	220mm Wide single cant brick-on-edge header course pointed on top and sides	m	17
18	220mm Wide bull nose sill set sloping and slightly projecting	m	4
<u>NUTEC-CEMENT/FIBRE-CEMENT WINDOW SILLS</u>			
<u>Natural grey sills in single lengths bedded in class I mortar including metal fixing lugs etc</u>			
19	10 x 150mm Wide sills set flat and slightly projecting	m	3

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Section 2
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Masonry

**QUARRY TILE SILLS OF APPROVED COLOUR
BEDDED AND JOINTED IN CEMENT MORTAR AND
NEATLY POINTED WITH 6mm WIDE HALF ROUND
JOINTS IN COLOURED CEMENT MORTAR**

**240 x 115 x 11.5mm Quarry tiles on concrete with
continuous joints in both directions and pointed on
all exposed surfaces**

20	150mm Wide sill of one row of tiles set sloping and slightly projecting	m	5
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PRECAST CONCRETE

**222 x 106 x 50mm Paving of "Corobrik Burgundy"
paving bricks with butt joints on 25mm thick river
sand bed treated with an approved weed killer at the
rate of 50 gram per square metre and with sand and
cement mixture swept into joints and hosed down**

21	Paving in "Herringbone" bond to falls	m2	15
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**Precast concrete (25 MPa) finished smooth on
exposed surfaces including bedding, jointing and
pointing**

22	150 x 300mm High kerbs (SANS 927 fig 3) with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint, including excavation, backfilling, etc.	m	14
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23	150 x 300mm High raking kerbs (SANS 927 fig 3) with 150 x 150 x 300mm unreinforced concrete haunching at back of each joint, including excavation, backfilling, etc.	m	17
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FACILITIES FOR PEOPLE WITH DISABILITIES**

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SECTION No. 2

BILL No. 5

WATERPROOFING

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

SUPPLEMENTARY PREAMBLES

Items, materials or methods

Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other approved - on the condition that prior approval is obtained from the architect

(WORK GROUP 120)

DAMPPROOFING OF WALLS AND FLOORS

One layer of 375 micron embossed damp proof course

1	In walls	m2	46	
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One layer of 250 micron USB green waterproof sheeting sealed at laps with pressure sensitive tape

2	Under surface beds	m2	127	
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3	Vertically against walls	m2	124	
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WATERPROOFING TO ROOFS

SUPPLEMENTARY PREAMBLES

Carried to Collection

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Section 2
Bill 5
Waterproofing

Waterproofing:

Waterproofing of roofs shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs

Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs.

Derbigum waterproofing is to be laid in accordance with Derbigum's Code of Practice by an Approved Derbigum Contractor.

Preparation of substrata: Screeded roof surfaces shall be firm, dry and clean. Corners shall be coved or arris rounded. All surfaces to receive Derbigum are to be fully primed with a solvent based bitumen primer.

One layer Derbigum SP4 waterproofing membrane sealed by means of 'torchfusion' or Coldbond 90 adhesive with 75mm side laps and 100mm end laps, laid under a ten-year guarantee, to receive paint or stone protection (elsewhere) complete with stripping of existing waterproofing membrane and making good of existing surfaces (Provisional)

4	On flat roofs	m2	23
5	On walls	m2	5
6	Sealing edges to brickwork or concrete including 10mm polysulphide joint	m	20
7	Additional membrane and sealing into 100mm diameter outlet	No	1

JOINT SEALANTS, ETC

Two-part grey polyurethane sealing compound including backing cord, bond breaker, primer, etc

8	8 x 10mm in vertical expansion joints	m	247
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Clear silicone sealant

9	In joints between tops and walls	m	6
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Carried to Collection

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Section 2
Bill 5
Waterproofing

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

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Waterproofing

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Waterproofing

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SECTION No. 2

BILL No. 6

CARPENTRY AND JOINERY

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

SUPPLEMENTARY PREAMBLES

Items, materials or methods

Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other approved - on the condition that prior approval is obtained from the architect

Particle board:

Particle board shall comply with the following specifications:

- a) SABS 1300 Particle board: exterior and flooring type
- b) SABS 1301 Particle board: interior type

Joinery:

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

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

Carried to Collection

R

Section 2
Bill 6
Carpentry And Joinery

Specification for fixing

Unless otherwise described, all carpentry and joinery work must be securely fixed with all timber components nailed. Other methods of fixing are specifically described as follows:

(i) the term "bolted" means fixing with bolts, bolts and holes are measured elsewhere.

(ii) the term "pinned" or "nailed" means fixing with nails, hardened steel nails or wire nails as required, to and including hardwood plugs in brickwork or concrete.

(iii) the term "plugged and screwed" means fixing with screws to and including patent fibre or plastic plugs in brickwork or concrete.

(iv) the term "plugged and pelleted" means plugged as previously described, screwed with heads of screws sunken and pelleted with pellets of the same type of wood.

Pretreatment of timber

All timber including scaffolding, formwork, etc. used on site shall be free of borer or other beetle and termite infection. All permanent softwood fixed in buildings shall be treated against borer, etc. in accordance with Government Notice R451 of 1969-03- 28 using Class B or C preservative. The type of preservative used shall be appropriate to the use of the timber. Any prescribed treatment shall comply with SABS 05

When treated timbers are cut, the cut surfaces shall be effectively brushed with at least two coats of preservative solution.

Carried to Collection

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Section 2
Bill 6
Carpentry And Joinery

(WORK GROUP 126)

SKIRTINGS

Wrot Red Meranti

1	20 x 75mm Skirting including 19mm quadrant bead plugged to wall	m	252	
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DOORS, ETC

Existing solid flush panel doors and timber frame from demolitions (elsewhere) set up and built into new position

2	40mm Door 813 x 2 032mm high	No	7	
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Solid flush panel doors with sapele veneer on both sides hung to steel frames

3	40mm Door 813 x 2 032mm high	No	1	
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4	40mm Door 950 x 2 032mm high	No	23	
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SPECIAL DOORS

"Fire Rated Doorset" In strict accordance with the manufacturers instructions and in compliance with SANS 1253S and carrying the relevant SABS mark for a 60min fire rating with 3.6mm treated commercial ply or masonite suitable for painting on both sides. Including intumescent strip to top of door, hardwood edges and hinged to suitable steel frame (elsewhere)

5	"Class B" single fire door size 813 x 2032mm high overall prepared to receive door protection (elsewhere measured)	No	3	
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6	Double fire door size 1500 x 2032mm high overall in 950 x 2032mm and 486 x 2032mm leaves with flush meeting stiles and prepared to receive door protection (elsewhere measured)	No	1	
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7	Double fire door size 1900 x 2032mm high overall in two leaves with flush meeting stiles and two 450 x 600mm view panels complete with 6mm safety glass, glazing beads, etc. and prepared to receive door protection (elsewhere measured)	No	1	
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Carried to Collection

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Section 2
Bill 6
Carpentry And Joinery

PREAMBLES TO JOINERY WORK

Joinery

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

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

Worktops

To be "Rustenburg" granite rounded front edge

Blockboard

To be 16mm thick "Melawood 34" with white finish

Edge strip

Edge strip to shelving, etc. where measured to be 6 x 16mm "Melamine" edge strips glued on

FITTINGS

Descriptions for the following joinery fittings, etc., shall be deemed to include all ironmongery, metalwork, paint finishes, laminated finishes, etc., and for assembling and installing complete.

Type references to fittings:

The Type references to the various units are included for purposes of identification and for an indication of the general nature of the fittings required, Tenderers are referred to Drawings issued with these bills of quantities. The fittings depicted in these drawings are indicative of the general nature of the fittings required.

Fittings:

The fittings generally have been measured in modules and the Type references after each module refer to the fittings of which they form a part.

The general shape, size, details and specification of the units are shown on the drawings and Tenderers shall allow in their rates for the full intent of the work described and shown on the drawings.

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Section 2
Bill 6
Carpentry And Joinery

R

Worktops:

The worktops shall be supported on cupboard or drawer units or on metal leg/brackets and free ends shall be supported on and including bearers fixed to walls or adjacent fittings. (Cupboard units, drawer units and metal leg/brackets are included with the relevant item).

Note: The stated height of the cupboard units, etc., under worktops includes the thickness of the worktop only (excluding the splashback over).

The rate for formica or similar finish to particle board, etc. must also include for a balancing veneer on the other side and for formica edge strips on all exposed edges

Dimensions:

The stated dimensions of units described as L-shaped on plan or U-shaped on plan are the extreme dimensions of the component, i.e. the overall length measured over the external face.

The dimensions of cupboards, lockers, storage units, etc., are stated in the following order :- width x depth x height.

JOINERY FITTINGS

The Tenderer is referred to Drawing at the back of these Bills of Quantities

KITCHEN COUNTERS, CUPBOARDS, ETC.

Timber cupboards and counters units with 30 x 610mm "Rustenburg" granite worktops, complete with ironmongery, finishes, etc.:

8	Floor cupboard 1 800mm x 560mm deep x 900mm high with four doors (Block C - Dwg 3313-C-001)	No	1
9	Floor cupboard 2 660mm x 560mm deep x 900mm high with five doors and four drawers (Block C - Dwg 3313-C-001)	No	1
10	Wall cupboard 2 660mm x 300mm deep x 600mm high with six doors (Block C - Dwg 3313-C-001)	No	1

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Section 2
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Carpentry And Joinery

BUILT IN CUPBOARD UNITS

**Built in cupboards, with 16mm white melamine
supawood shelving, doors and dividers, etc:**

11 Built in cupboard unit 1500mm wide, 550mm deep and
2450mm high with sliding doors (Block D - Dwg 3313-
D-001)

No

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Carpentry And Joinery

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

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Carpentry And Joinery

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Bill 6

Carpentry And Joinery

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SECTION No. 2

BILL No. 7

**CEILINGS, PARTITIONS AND ACCESS
FLOORING**

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

SUPPLEMENTARY PREAMBLES

Items, materials or methods

Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other approved - on the condition that prior approval is obtained from the architect

Fixing:

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

Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted" the bolts have been measured elsewhere

Ceilings

Unless otherwise described ceilings shall be deemed to be horizontal

Carried to Collection

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Section 2
Bill 7
Ceilings, Partitions And Access Flooring

(WORK GROUP 128)

CEILINGS, ETC

NAILED UP CEILINGS

6.4mm 'Rhino' gypsum plasterboard with H-profile coated steel jointing strips:

1	Ceilings including 38 x 38mm sawn softwood brandering at 400mm centres and at all perimeter edges.	m2	7
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Gypsum plasterboard cornices

2	75mm Coved cornices glued to walls and ceiling with adhesive	m	15
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SUSPENDED CEILINGS

Proprietary suspended ceilings

NOTE:

Electrical light fittings, diffusers, panels, etc generally are "lay in" units of the same dimensions as the suspension grid described and allowance must be made accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof)

Embossed white vinyl clad ceiling tiles size 1 195 x 595 x 6mm thick laid on white exposed tee suspension system comprising T38 main tees at 600mm centres with T24/38 cross tees between each tile, hold-down clips, etc., all suspended with galvanised 4mm diameter suspension rod and hook with spring clip and T-suspension plate at centres not exceeding 1200mm in both directions. (Suspension rods attached to steel purlins with 25 x 25 x 1.6mm angle section cleats, bolted to steel purlins).

3	Ceilings suspended not exceeding 1m below concrete slabs	m2	90
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Cornices to suspended ceilings

4	47 x 35mm Recessed shadowline cornice cornice plugged. (Code LSM25)	m	171
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Ceilings, Partitions And Access Flooring

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Ceilings, Partitions And Access Flooring

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Ceilings, Partitions And Access Flooring

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

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SECTION 2

BILL NO. 8

FLOOR COVERINGS, PLASTIC LININGS, ETC.

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

SUPPLEMENTARY PREAMBLES

Items, materials or methods

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(WORK GROUP 130)

FLOOR COVERINGS

300 x 300 x 2.5mm Thick semi-flexible vinyl floor tiles fixed with an approved adhesive all according to the manufacturer's specifications on:

1	Floors	m2	161	
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DETECTABLE WARNING STRIPS

2	600mm External detectable warning strip with dotted and truncated surface of min 25mm diameter bumps at 5mm high fixed to edges	m	58	
---	---	---	----	--

3	900mm External detectable warning strip with dotted and truncated surface of min 25mm diameter bumps at 5mm high fixed to edges	m	1	
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POLISH, SEALERS, ETC

4	Two coats floor sealer on vinyl flooring	m2	161	
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Bill 8
Floor Coverings, Wall Linings, etc.

Item

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SECTION No. 2

BILL No. 9

IRONMONGERY

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

SUPPLEMENTARY PREAMBLES

Items, materials or methods

Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other approved - on the condition that prior approval is obtained from the architect

Fixing of Ironmongery

Unless otherwise described, ironmongery is to be fixed to wood

Finishes to Ironmongery

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

Standard Reference

- 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

Carried to Collection

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Section 2
Bill 9
Ironmongery

(WORK GROUP 132)

HINGES, BOLTS, ETC

1	Stainless steel flush ring pull size 62 x 44mm (DORMA DRP-SS-023)	No	1
2	102 x 75 x 3mm Ball bearing butt hinge (DBB-SS- 009SS)	No	107
3	150mm Heavy duty satin chrome flush bolt with heel (Dorma DFB-SC-180/150)	No	4
4	Stainless steel WC indicator with 76mm turn knob for physically impaired (Dorma DWC-006)	No	5
5	Helping hand facility indicator bolt with keep fixed to metal (AL37651AS)	No	14

CATCHES, CABIN HOOKS, ETC.

6	Roller ball catch with striking plate fixed to pressed steel frame. (E1511)	No	15
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LOCKS

Note:
All striking plates to be fitted to timber frames unless
otherwise stated

7	Bathroom/WC sash lock (Dorma D035S)	No	3
8	Stainless steel mortice dead bolt (Dorma DMB-021)	No	1
9	Stainless steel euro-profile cylinder sash lock (Dorma D036S)	No	2
10	Stainless steel euro-profile cylinder dead lock with dead lock strike (Dorma D037D/D037/D/37)	No	6
11	Stainless steel rebate conversion kit for euro-profile locks (Dorma D038R)	No	2
12	Euro profile knob cylinder (Dorma DKC056501)	No	9
13	Automatic door controls consisting of ED100 swing door operator, one eye tech 1 safety sensor (350mm), one eye tech 5 safety sensor (700mm) and two elbow switches with mounting box	No	6

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Section 2
Bill 9
Ironmongery

HANDLES

14	Euro profile escutcheon (Dorma DCE-002)	No	12
15	Set of stainless steel lever handles on rose without escutcheons (Dorma TH120)	No	1
16	Set of stainless steel lever handles on rose with escutcheons (Dorma TH120)	No	3
17	Pull handle 305 x 25mm with back to back fixing. (DPH301A)	No	56
18	Pull handle 300 x 25mm with flange fixing. (DPH301B)	No	16

PUSH PLATES AND KICK PLATES

19	Grade 304 2mm thick stainless steel back/push plate 486 x 800mm high with csk screwholes	No	2
20	Grade 304 2mm thick stainless steel back/push plate 813 x 800mm high with csk screwholes	No	6
21	Grade 304 2mm thick stainless steel back/push plate 915 x 800mm high with csk screwholes	No	4
22	Grade 304 2mm thick stainless steel back/push plate 950 x 800mm high with csk screwholes	No	48

DOOR CLOSERS, ETC.

23	Silver standard slide channel overhead door closer EN 3-5(DORMA TS93B/BC/DC EN 2-5 G93 N)	No	4
24	Silver standard slide channel overhead door closer and angle bracket EN 2-5 (DORMA TS93G/BC/DC EN 2-5 G93 N)	No	4

LETTERS, NAMEPLATES, ETC. (PROVISIONAL)

NOTE:

All letters, nameplates, etc are to be screwed to timber with stainless steel screws, unless otherwise stated

150 x 150mm Stainless Steel Sign Plate engraved and filled with specified colour:

25	Male pictogram (Dorma DSS-130)	No	6
26	Female pictogram (Dorma DSS-131)	No	7

Carried to Collection

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Ironmongery

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

27	Male/Female pictogram (Dorma DSS-132)	No	4
28	Disabled persons pictogram (Dorma DSS-133)	No	17
<u>Indoor signage - Photoluminescentt safety signage with mounting frame, Outdoor signage - Chromadek safety signage with mounting frame.</u>			
29	GA 1 - 190 x 190 mm	No	60
<u>BATHROOM FITTINGS</u>			
30	Standard vanity shelf 350mm long plugged to wall	No	2
31	19mm Chromium plated towel rails with two end brackets, 600mm long	No	2
32	Standard stainless steel soap dispenser fixed to wall	No	14
33	Standard steel lockable toilet roll dispenser, fixed to wall. (SE2 205597)	No	18
34	Standard 800mm x 150mm projecting Stainless steel rear grab rail fixed to wall (KB18)	No	17
35	Standard 300 x 300 x 300 x 80mm projecting left hand dog leg side rail. (KB26)	No	19
36	Standard 1200 x 800 x 100 x 80mm projecting t-grab rail.	No	2
37	Collapsable wall mounted shower seat plugged and bolted	No	2
<u>SUNDRIES</u>			
38	Floor door stop plugged (DDS-SS-017)	No	28
39	Dust proof socket (Dorma DPS-SS-032)	No	2
40	Surface mounted magnetic door holders type FE 230 or similar approved, linked to the FD system	No	3
<u>BUMPERS, ETC.</u>			
<u>Rubber wall protection and bumpers</u>			
41	805mm long x 225mm wide "Rubber United" or similar approved "Rubber Wall Protection" strips fixed to edge of concrete dock landing using 4No. M10 expanding anchor bolts per 805 length	m	60

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DCS: WESTVILLE CORRECTIONAL SERVICE
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42 "REV design" or similar approved heavy duty 'Block Type' bumpers, inclusive of brackets, using 4 No. of M10 expanding bolt anchors per bracket

No

4

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 Ironmongery

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

Item

SECTION No. 2

BILL No. 10

METALWORK

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

SUPPLEMENTARY PREAMBLES

Items, materials or methods

Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other approved - on the condition that prior approval is obtained from the architect

Descriptions

Descriptions of bolts shall be deemed to include nuts and washers

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

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

(WORK GROUP 136 UNLESS OTHERWISE STATED)

GALVANISED BALUSTRADES ETC

Galvanised mild steel tubular patent heavy duty industrial railing fixed in accordance with the manufacturers specifications and SANS 10400

Item	Description	Unit	Quantity	Rate	Amount
1	34mm (External) diameter tubular handrailing fixed to standards (elsewhere measured)	m	328		
2	Extra over top and middle rails for ramped intersection of horizontal and raking balustrading	No	22		

Carried to Collection

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Section 2
Bill 10
Metalwork

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

3	Extra over for long radius 45° bend	No	4
4	Extra over for short radius 90° bend	No	18
5	Extra over for wall end plate	No	8
6	Extra over for 30° x 500mm Angle closure	No	16
7	Extra over for 90° x 500mm Angle closure	No	7
8	43mm (External) diameter tubular stanchion 1000mm high with 180 x 50 x 6mm mild steel base plate welded and with two 12mm diameter holes drilled and bolted to top of walls with expansion bolts	No	48
9	43mm (External) diameter tubular stanchion 1000mm high with 180 x 50 x 6mm mild steel base plate welded at an angle for raking handrails and with two 12mm diameter holes drilled and bolted to top of walls with expansion bolts	No	111

SCREENS, SECURITY GATES, ETC

Mild steel gates and screens

10	Double gate size 1 350 x 1 070mm high overall in two equal leaves, each leaf formed of 40 x 40 x 2,5mm square tube top and bottom rails and 80 x 40 x 2,5mm sides rails, the framing all round mitred and welded at angles with 40 x 5mm flat section horizontal intermediate rail and four 10mm diameter rod vertical bars framed through intermediate rails with all ends welded to framing, gate complete with two pairs 30 x 120mm bullet hinges welded to gate on one side and other side to 80 x 40 x 2,5mm rectangular steel post welded to existing rails and gate fitted with purpose made steel U-flange flap with hinge and locking ring	No	1
11	Single gate size 950 x 2 120mm high overall formed of 40 x 40 x 2,5mm square tube top and bottom rails and 80 x 40 x 2,5mm sides rails, the framing all round mitred and welded at angles with 40 x 5mm flat section horizontal intermediate rail and five 10mm diameter rod vertical bars framed through intermediate rails with all ends welded to framing, gate complete with one pair 30 x 120mm bullet hinges welded to gate and frame and 110 x 250mm mild steel flange welded onto gate for magnetic locking device fitted by specialist	No	2

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Section 2
Bill 10
Metalwork

<u>Sliding folding powder coated security gates</u>				
12	Security gate for 'face fixing' to opening size overall 950 x 2080mm high bolted on	No	1	
<u>GALVANISED MILD STEEL DOOR FRAMES</u>				
<u>1,6mm Double rebated frames suitable for half brick walls</u>				
13	Frame for door 813 x 2 032mm high	No	5	
14	Frame for door 950 x 2 032mm high	No	14	
<u>1,6mm Double rebated frames suitable for one brick walls</u>				
15	Frame for door 813 x 2 032mm high	No	3	
16	Frame for door 950 x 2 032mm high	No	9	
17	Frame for door 1 500 x 2 032mm high	No	1	
18	Frame for door 1 900 x 2 032mm high	No	1	
<u>GALVANISED STEEL WINDOWS, DOORS, ETC</u>				
NOTE: Windows with frames to conform with SABS Specification No 727 and with purpose made burglar proofing formed of 20 x 5mm thick mild steel flat bar, bent to be 75mm away from glass surfaces and horizontally welded to window frames with pattern similar to "SWADA NBP1"				
<u>Standard residential type windows with burglar bars to opening sashes</u>				
19	Purpose made window 600 x 1200mm high	No	1	
20	Window type E2H, 1 022 x 654mm high	No	1	
21	Window type D54, 1 511 x 1 540mm high	No	1	
<u>ALUMINIUM DOORS, WINDOWS, ETC.</u>				
NOTE: Windows to be certified after installation in compliance with SANS 10400.				
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Metalwork				

**Powder coated grey aluminium windows with
6.38mm clear laminated safety glass and including
standard window furniture complete with screws
and bolts installed strictly according to AAAMSA
standards and specifications**

22

Window size 600 x 1500mm high with one fixed light
and one side hung opening section

No

6

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Metalwork

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Metalwork

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Bill 10

Metalwork

Item

Quantity

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SECTION No. 2

BILL No. 11

PLASTERING

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

SUPPLEMENTARY PREAMBLES

Items, materials or methods

Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other approved - on the condition that prior approval is obtained from the architect

(WORK GROUP 142)

SCREEDS

NOTE:

The finishes to concrete floors and screeds are to comply to the highest SABS to flatness of accuracy 1 of table 4 of SABS 0109-2:1992 and permissible deviation in floors will be grade 1 as per table A1 SABS 070:1991. For vinyl floors the flatness degree of accuracy will not exceed SABS degree of accuracy 1 as per table 4 SABS 0109-2:1992 and the maximum tolerance will be 1mm

Screeds on concrete

1	28mm Thick on floors and landings	m2	153
2	28mm Thick on floors with upper surface to falls and currents	m2	1
3	Average 28mm thick on floors with upper surface to falls and currents	m2	14

Carried to Collection

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Section 2
Bill 11
Plastering

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

4	30mm Thick on floors and landings with slip resistant finish	m2	25
5	30mm Thick on floors with upper surface to falls and currents and with slip resistant finish	m2	174
6	50mm Thick on floors and landings	m2	8
<u>GRANOLITHIC</u>			
<u>Untinted granolithic on concrete</u>			
7	30mm Thick on floors	m2	12
<u>INTERNAL PLASTER</u>			
<u>1-4 Cement plaster finished with a wooden trowel on brickwork:</u>			
8	On walls	m2	51
9	On narrow widths	m2	1
<u>1-4 Cement plaster finished with a steel trowel on brickwork:</u>			
10	On walls	m2	279
11	On narrow widths	m2	7
<u>EXTERNAL PLASTER</u>			
<u>1-4 Cement plaster In two coats finished with a steel trowel on brickwork:</u>			
12	On walls	m2	136
13	On narrow widths	m2	12
14	On top of brick kerb 230mm girth with 45° chamfered edges on both sides	m	38
15	On sloping top of brick kerb 230mm girth with 45° chamfered edges on both sides	m	73
<u>1-4 Cement plaster finished with a steel trowel on concrete:</u>			
16	On projecting and isolated columns	m2	5
17	On narrow widths	m2	3

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Plastering

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Item

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SECTION No. 2

BILL No. 12

TILING

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

SUPPLEMENTARY PREAMBLES

Items, materials or methods

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(WORK GROUP 144)

WALL TILING

200 x 200 x 5mm Thick First Grade glazed ceramic wall tiles with 2mm joints, installed with tile adhesive.

1	On walls	m2	285
2	On walls in isolated panels, splashbacks, etc	m2	2
3	On narrow widths	m2	2

Wall tile sundries

4	PVC external edge or corner trim (provisional)	m	135
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Section 2
Bill 12
Tiling

FLOOR TILING

Standard 250 x 250 x 8mm thick ceramic floor tiles installed with tile adhesive on screed (elsewhere), with 2mm joints with waterproof grout and sealed with "Deep Seal" matt sealer as per manufacturers specifications (NCI)

5	On floors and landings	m2	11
6	On floors and landings to falls	m2	14
	Skirting 80mm high	m	38

Standard 150 x 150 x 19mm thick clay floor tiles installed with tile adhesive on screed (elsewhere), with 2mm joints with waterproof grout and sealed with "Deep Seal" matt sealer as per manufacturers specifications

7	On floors and landings to falls (Provisional)	m2	1
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TOILET PAPER HOLDERS, ETC

"Vaal" white glazed ceramic

8	150 x 150mm Type 653110 semi-recessed soap dish	No	3
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Section 2
Bill 12
Tiling

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Tiling

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SECTION No. 2

BILL No. 13

PLUMBING AND DRAINAGE (PROVISIONAL)

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

SUPPLEMENTARY PREAMBLES

Items, materials or methods

Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other approved - on the condition that prior approval is obtained from the architect

(WORK GROUP 148 UNLESS OTHERWISE STATED)

uPVC pipes and fittings:

Soil, waste and vent pipes and fittings shall be solvent weld jointed

uPVC pressure pipes and fittings:

Pipes for water supply shall be of the class stated

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

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

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Bill 13
Plumbing and Drainage (Provisional)

Copper pipes:

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

Lead pipes and fittings

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

Reducing fittings

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

Wire gratings

Flush pans

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

Stainless steelbasins, 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

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

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Section 2
Bill 13
Plumbing and Drainage (Provisional)

PLUMBING

Chases

Chicken wire mesh is to be applied to walls after filling in to chased pipe work prior to plastering

CPAP WORK GROUP

Unless otherwise stated all items in this bill will be Work Group 148

RAINWATER DISPOSAL

uPVC

1	50mm Diameter pipe spout 410mm long, built through one-and-a-half brick wall	No	3
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2	110mm Pipes cast into concrete slab or column	m	9
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Extra over uPVC pipes for fittings

3	110mm Bend	No	3
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"Fulbore" cast iron outlets

4	100mm Vertical outlet adapted for uPVC piping	No	1
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SANITARY FITTINGS

Wash hand basins

5	350mm Long chromium plated flexible supply tube and capnut	No	32
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6	32mm CP basin slotted waste with 62mm diameter flange, 80mm long shank and plug. (303)	No	19
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7	Chromium bottle trap with outlet for 40mm PVC. (340)	No	19
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8	Chrome plated vandal resistant shower head with single function spray (076-2PR)	No	3
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9	15mm Angle regulating valve (232/350)	No	32
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10	15mm Chromium plated pillar taps with Star handles. (111)	No	4
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**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

11	Electronic transformer battery back up (EL-TRANS3-B/U)	No	3
12	Existing white vitreous china lavatory basin, size 510 x 405mm complete with waste outlet, trap and two taps installed in new position and edges with an approved silicone sealant against tiles	No	1
13	White vitreous china lavatory basin, size 510 x 405mm (code 702303) with two tap holes and fixed to wall with two 10mm chrome fixing bolts (code 8448Z0) including sealing edges with an approved silicone sealant against tiles.	No	18
14	Electronic IP67 transformer box (EL-TRANSA3-M)	No	3
15	15mm Chromium plated elbow action pillar tap. (505-21)	No	30
16	15mm chrome plated electronic wave sensor stoptap, connected to 9V transformer. (Cobratron EL-3015-WAVE)	No	3
<u>Water Closets</u>			
17	350mm Long chromium plated flexible supply tube and capnut	No	2
18	15mm Chromium plated stoptap with Star handle (128)	No	2
19	White vitreous china low level wash down pan fitted with 6lt SISO cistern complete with lid, fitting and flushpipe and 'De Luxe' heavy duty double flap white plastic seat. (Aquasave Code 755499)	No	2
20	White vitreous china 90° outlet open rim top inlet pan wall hung paraplegic pan (Orchid 439106WH) fixed on and including floor bracket (Code: 8082Z0) with exposed top inlet flushvalve (elsewhere) and with Jazz thermoset seat.	No	16
21	Toilet Flushing Valve - exposed WC chrome plated flushvalve (code: FJ2.210) with non-hold open feature, vacuum breaker, top entry flushpipe, compression pan connector, wall flange, rubber seat buffer, 20mm "Ball-o-Stop" control inlet, chrome plated knee/elbow activated lever (code: C-KM9.12/19) and chrome plated paraplegic elbow kit (code: C-KM9.10).	No	16

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Plumbing and Drainage (Provisional)

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

Showers

22	40mm Shower trap including stainless steel grating (373)	No	2
23	15mm (AP8.311) CP plated wall elbow outlet for shower hose connection, handshower (28176CP Relaxa), flexible tube (008/7 Chromalux 1.25m) and wall rail (002/1)	No	2
24	15mm chrome plated electronic wave sensor stoptap (Code: Cobratron EL-3015-WAVE), connected to 9V transformer.	No	2
25	25mm CP built-in thermostatic temperature controller (Mastertherm II KD2.204)	No	2

Baths

26	40mm CP bath waste with 62mm diameter flange, 45mm long shank and CP "anti-theft" plug. (317-40 & 309-40)	No	1
27	40mm Rough brass bath P-trap with shallow seal and cleaning eyes. (370)	No	1
28	Acrylic perspex rectangular bath, overall size 1700 x 700 x 390mm deep with front and side panel and 52mm end waste outlet, supported on 38 x 38mm timber battens fixed to adjacent walls and bed in 1:5 cement mortar on a brick bed, three bricks wide for full length of bath with the void between the bath and enclosing walls filled with 1:10 uncompacted cement mix and point all round with mildew resistant silicone, all in accordance with the manufacturer's recommendations.(Plexicor Carmen 1700)	No	1
29	15mm CP single lever undertile bath/shower mixer with looped handle and sliding wall flange (GA-656LH)	No	1
30	20mm CP bath spout with diverter, 160mm throw and sliding wall flange. (067S)	No	1
31	Handshower (28176CP Relaxa) with flexible tube (008/7 Chromalux 1.25m) and wall rail (002/1)	No	1

Stainless steel type 304 (18/10) fittings

Sinks

32	40 x 300mm Butyl rubber sink combination for double bowl with deepseal "P" trap	No	1
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Plumbing and Drainage (Provisional)

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

33	40mm CP bath waste with 62mm diameter flange, 45mm long shank and CP "anti-theft" plug. (371-40 & 309-40)	No	1
34	15mm Chromium plated single lever sink mixer with classic handle, aerated swivel spout, flow straightener and 400mm long flexible inlets (GA-670)	No	1
35	1200 x 500mm Double end bowl inset sink with drainer, fitted onto	No	1
<u>TAPS, VALVES, ETC</u>			
<u>"Cobra Watertech"</u>			
36	22mm 1003/125 RB fullway gate valve	No	16
<u>SANITARY PLUMBING</u>			
<u>uPVC pipes</u>			
37	50mm Pipes	m	58
38	50mm Pipes laid in and including trenches not exceeding 1m deep under surface beds	m	2
39	110mm Pipes	m	18
<u>Extra over uPVC pipes for uPVC fittings</u>			
40	50mm Adaptor	No	19
41	50mm Bend	No	35
42	110mm Bend	No	1
43	50mm Junction	No	1
44	110mm Pan connector	No	12
45	110mm Bent pan connector	No	6
46	50mm Access bend	No	24
47	110mm Access bend	No	1
48	50mm Access junction	No	2
49	110mm Access junction	No	13

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Plumbing and Drainage (Provisional)

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

50	110 x 50mm Access reducing junction	No	6
51	110mm "GI two-way" vent valve	No	12
	<u>Sundries</u>		
52	Testing waste pipe system		Item
	<u>WATER SUPPLIES</u>		
	<u>Connection to existing</u>		
53	Cut into existing pipe and connect new 15mm diameter copper pipe to existing pipe (fittings measured elsewhere)	No	32
54	Ditto, for 22mm diameter copper pipe	No	4
	<u>Class 2 copper pipes</u>		
55	15mm Pipes	m	10
56	22mm Pipes	m	2
57	15mm Pipes chased into masonry	m	101
58	22mm Pipes chased into masonry	m	12
	<u>Extra over Class 2 copper pipes for capillary fittings</u>		
59	15mm Fittings	No	143
60	22mm Fittings	No	18
	<u>Extra over class 2 copper pipes for conex compression fittings</u>		
61	15mm Fittings	No	51
62	22mm Fittings	No	16
	<u>TESTING</u>		
63	Testing water pipe system		Item

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Plumbing and Drainage (Provisional)

FIRE APPLIANCES ETC

**Fire Extinguisher complete with chevron and
backing board, board red painted including
mounting bracket.**

64	4.5 kg DCP fire extinguisher	No	20
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Section 2
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Plumbing and Drainage (Provisional)

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

Section 2

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Plumbing and Drainage (Provisional)

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Plumbing and Drainage (Provisional)

**DCS: WESTVILLE CORRECTIONAL SERVICE
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SECTION No. 2

BILL No. 14

GLAZING

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

SUPPLEMENTARY PREAMBLES

Items, materials or methods

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(WORK GROUP 150)

GLAZING TO STEEL WITH PUTTY

6.38mm Clear laminated safety glass

1	Panels not exceeding 0,1m ²	m ²	2	
---	--	----------------	---	--

6.38mm Obscure laminated safety glass

2	Panels not exceeding 0,1m ²	m ²	1	
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3	Panels exceeding 0,1m ² and not exceeding 0,5m ²	m ²	1	
---	--	----------------	---	--

TOPS, SHELVES, DOORS, MIRRORS, ETC

6mm Silvered float glass copper backed mirrors with 46mm bevelled polished edges all round, holed for and plugged to brickwork or concrete with and including four 40mm x No.8 brass mirror screws with chromlum plated dome caps and thick felt washers

4	Mirror size 450 x 600mm high	No	2	
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Section 2
Bill 14
Glazing

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

5 Mirror size 450 x 900mm high

No

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Section 2
Bill 14
Glazing

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

Section 2

Bill 14

Glazing

COLLECTION

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100

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Section 2
Bill 14
Glazing

Item

Quantity

Rate

Amount

SECTION No. 2

BILL No. 15

PAINTWORK

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

SUPPLEMENTARY PREAMBLES

Items, materials or methods

Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other approved - on the condition that prior approval is obtained from the architect

SABS Specifications

Alkali resistant plaster primer : SABS 1416

Matt or eggshell decorative paint for interior works : SABS 515

High gloss enamel paint : SABS 630 Grade I

Oil gloss enamel paint : SABS 631

Primers for wood for external work : SABS 678 Type I

Primers for wood for internal work : SABS 678 Type III

Zink chromate primers for steel : SABS 679 Type I

Undercoats for paints (except emulsion paint) : SABS 681 Type I

Aluminium paint : SABS 682 Grade II

Roof paints : SABS 683 Type B (Oil based)

Carried to Collection

R

Section 2
Bill 15
Paintwork

Roof paints : SABS 940 (Emulsion based)
 Structural steel pain : SABS 684 Type B
 Wash primer (metal etch) : SABS 723
 Varnish for interior use : SABS 887 Type I
 Emulsion paints : SABS 1227 (Textured: Internal / External)
 Emulsion paints : SABS 1586 (Gloss, semi-gloss; matt; internal / external)
 Calcium plumbate primer : SABS 912
 Road marking paint : SABS 5731 Part I

(WORK GROUP 152)

PAINTWORK, ETC TO NEW WORK

ON FLOATED PLASTER

One coat plaster primer and two coats polyurethane velvet enamel paint

1	On internal walls	m2	292	
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One coat plaster primer and two coats textured acrylic paint

2	On external walls and columns	m2	185	
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3	On ceilings	m2	21	
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ON PLASTER BOARD

One coat primer and two coats acrylic PVA paint

4	On internal plasterboard ceilings including priming nail heads with one coat zinc chromate primer	m2	7	
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Carried to Collection

R

Section 2
 Bill 15
 Paintwork

ON FIBRE CEMENT

One coat plaster primer and two coats acrylic paint to on:

5	Fibre-cement cills and timber scotia bead exceeding 150mm and not exceeding 300mm girth internally.	m	3
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ON METAL

Prepare, prime with one coat self etching primer and apply one undercoat and two finishing coats gloss enamel paint on:

6	Door frames	m2	51
7	On windows with burglar bars	m2	7
8	On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	12
9	Rails, bars, pipes, etc not exceeding 300 mm girth	m	508

ON WOOD

One coat wood primer and two coats gloss enamel paint

10	On doors	m2	124
11	On skirtings, rails, etc not exceeding 300mm girth	m	252

STATUTORY SIGNS

Traffic lines

Prepare and apply one coat high sheen road marking paint on interlocking block surface or bitumen surfaces

12	100mm Wide roadmarking lines for parking bays	m	102
13	Standard paraplegic sign 1 000 x 1 000mm high overall	No	6

Carried to Collection

R

Section 2
Bill 15
Paintwork

**PAINTWORK ETC TO PREVIOUSLY PAINTED
WORK (PROVISIONAL)**

PREPARATORY WORK TO EXISTING WORK

Previously painted plastered surfaces

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

Previously painted metal surfaces

Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal

Previously painted wood surfaces

Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth

ON FLOATED PLASTER

One coat bonding liquid and two coats polyurethane velvet enamel paint:

14	On internal walls	m2	233
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ON INTERNAL PLASTERBOARD SURFACES

Prepare and apply one coat bonding liquid and paint two coats acrylic paint

15	On ceilings	m2	7
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ON METAL

Prepare, prime with one coat self etching primer and apply one undercoat and two finishing coats gloss enamel paint on

16	On windows with burglar bars	m2	13
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17	Rails, bars, pipes, etc not exceeding 300 mm girth	m	9
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Carried to Collection

R

Section 2
Bill 15
Paintwork

ON INTERNAL WOOD SURFACES

One coat wood primer and two coats gloss enamel paint

18	On doors	m2	28
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Carried to Collection

R

Section 2
Bill 15
Paintwork

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

Section 2

Bill 15

Paintwork

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Section 2
Bill 15
Paintwork

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

<u>Item</u>	<u>Quantity</u>	<u>Rate</u>	<u>Amount</u>
<u>SECTION No. 2</u>			
<u>BILL No. 16</u>			
<u>BUILDER WORK IN CONNECTION WITH ELECTRICAL INSTALLATION</u>			
NOTE: Tenderers are advised to study (PW371) the <u>'Specification of Materials and Methods to be Used'</u> before pricing this bill			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>Items, materials or methods</u>			
Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other approved - on the condition that prior approval is obtained from the architect			
<u>(WORK GROUP 160)</u>			
<u>BUILDER'S WORK IN CONNECTION WITH ELECTRICAL INSTALLATION</u>			
<u>Making good of chasing for electrical conduits into existing brick walls (paint measured elsewhere)</u>			
1	Make good chases in brickwork for new electrical conduits	m	81
<u>Openings through existing 230mm brick wall and make good plaster and paint finishes</u>			
2	Opening size 300x300mm with 15mm timber frame	No	1
Carried to Summary of Section 2			R
Section 2 Bill 16 Builder Work in connection with Electrical Installation			

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

SECTION SUMMARY - BUILDING WORK

Bill

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2	Foundations (Provisional)	49
3	Concrete, Formwork & Reinforcement	54
4	Masonry	59
5	Waterproofing	62
6	Carpentry And Joinery	69
7	Ceilings, Partitions And Access Flooring	72
8	Floor Coverings, Wall Linings, etc.	73
9	Ironmongery	79
10	Metalwork	84
11	Plastering	87
12	Tiling	90
13	Plumbing and Drainage (Provisional)	99
14	Glazing	102
15	Paintwork	108
16	Builder Work in connection with Electrical Installation	109

Carried to Final Summary

R

Section 2

Ref: 6306/2001/26/44

SECTION NO. 3
PARAPLEGIC LIFT INSTALLATION

[Yellow]

Item

Quantity

Rate

Amount

SECTION No. 3

BILL No. 1

PARAPLEGIC LIFT INSTALLATION

NOTE: Tenderers are advised to study (PW371) the 'Specification of Materials and Methods to be Used' before pricing this bill

PREAMBLES

The conditions of contract and the application of the Contract Price Adjustment Provisions shall be as set out in Section 1: Preliminaries.

This bill must be read in conjunction with the Specification for the Paraplegic Lift Installation for more complete descriptions and specifications and the tender is advised to study this before pricing this bill

The unit rate for each item in the Bill of Quantities shall include for all materials, labour, profit, transport, etc., everything necessary for the execution and complete installation of the work in accordance with the description.

The rates shall exclude Value Added Tax and the total carried over to the final summary.

All material covered by this Specification shall, wherever possible, be of South African manufacture.

All imported material must be listed with the country of origin and exchange rate at the time of tender.

SUPPLEMENTARY PREAMBLES

Items, materials or methods

Items, materials or methods to be used specified by trade names or catalogue numbers are only an indication of the quality required. The use of trade names for items, materials or methods shall also mean - or other approved - on the condition that prior approval is obtained from the architect

Carried to Collection

R

Section 3
Bill 1
Paraplegic Lift Installation

(WORK GROUP 170)

LIFT INSTALLATION

Paraplegic lift installation for three landing level:

- 1 Paraplegic lift with 400kg carrying capacity, including frame, guides, enclosure, base, car door, inspection door, sill, internal finishes, handrails, lighting and ventilation, as specified.

No

1

Testing and commissioning

- 2 Submission and preparation of Shop Drawings
- 3 Submission of a complete set of Operating and Maintenance manuals.
- 4 Allow for testing and commissioning and issue of the necessary Certificate of Compliance and certificates of test carried out as well as certificates from relevant authorities, statutory bodies, etc.

Item

Item

Item

Maintenance

- 5 Allow for 12 months maintenance on the lift installation as per the specification

Item

Carried to Collection

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Section 3
Bill 1
Paraplegic Lift Installation

Section 3

Bill 1

Paraplegic Lift Installation

COLLECTION

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Section 3

Bill 1

Paraplegic Lift Installation

FINAL SUMMARY

**DCS: WESTVILLE CORRECTIONAL SERVICE
FACILITIES FOR PEOPLE WITH DISABILITIES**

<u>FINAL SUMMARY</u>		<u>Page</u>	<u>Amount</u>
<u>Section</u>			
1	PRELIMINARIES	30	
2	BUILDING WORK	110	
3	PARAPLEGIC LIFT INSTALLATION	113	
	Sub Total		R
	LESS: Credit for old materials as per Section No. 2, Bill No. 1 (Alterations)	Item	
	Sub Total		R
	ADD: PART B - ELECTRICAL INSTALLATION: Total carried forward from summary page of Bill of Quantities	Item	
	Sub Total		R
	<u>BUDGETARY ALLOWANCE:</u>		
	Allow the sum of R 100 000 - 00 (One Hundred Thousand Rand) for the appointment of a Community Liaison Officer (CLO) to be omitted in part or total if not required.	Item	100 000 00
	Allow the sum of R 75 000 - 00 (Seventy Five Thousand Rand) for the appointment of a Safety Agent to be omitted in part or total if not required.	Item	75 000 00
	Sub Total		R
	Add: 15% Vat (Value Added Tax)		R
	CARRIED TO FORM OF OFFER AND ACCEPTANCE		R