

documents

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DPW-21 (EC): Record of addenda to tender

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

Project title:	<i>GQEBERHA (PORT ELIZABETH) AREA: MAINTENANCE OF GENERAL BUILDING WORKS IN STATE OWNED BUILDING COMPLEXES FOR A PERIOD OF 24 MONTHS</i>		
Tender no:	<i>PET02/2023</i>	Reference no:	

	<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 <i>[]</i> 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: <i>Private Bag X3913 Gqeberha 6056</i></p> <p>Tel: <i>041 408 2388</i> Fax: <i>insert fax no</i></p> <p><i>[1.2]</i> Physical address: <i>Eben Donges Building, Crn Robert and Hancock Street Gqeberha 6056</i></p>

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<p>42.1.2 [1.1, 5.1]</p>	<p>Principal Agent: Mr Tlotliso Telile</p> <p>Postal address: Private Bag 3913 Gqeberha 6056</p> <p>Tel: 041 408 2388 Fax: insert fax no</p>
<p>[1.1]</p>	<p>Representative of the Employer: Mr Tlotliso Telile</p> <p>Postal address: Private Bag 3913 Gqeberha 6056</p> <p>Tel: 041 408 2388 Fax: insert fax no</p>
<p>42.1.3 [1.1, 5.2]</p>	<p>Agent (1) insert name</p> <p>Agent's service: insert service</p> <p>Postal address: insert postal address insert town insert postal code</p> <p>Tel: insert tel no Fax: insert fax no</p>
<p>42.1.4 [1.1, 5.2]</p>	<p>Agent (2) insert name</p> <p>Agent's service: insert service</p> <p>Postal address: insert postal address insert town insert postal code</p> <p>Tel: insert tel no Fax: insert fax no</p>
<p>42.1.5 [1.1, 5.2]</p>	<p>Agent (3) insert name</p> <p>Agent's service: insert service</p> <p>Postal address: insert postal address insert town insert postal code</p> <p>Tel: insert tel no Fax: insert fax no</p>

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<p>42.1.6 [1.1, 5.2]</p>	<p>Agent (4) <i>insert name</i></p> <p>Agent's service: <i>insert service</i></p> <p>Postal address: <i>insert postal address</i> <i>insert town</i> <i>insert postal code</i></p> <p>Tel: <i>insert tel no</i> Fax: <i>insert fax no</i></p>
<p>42.1.7 [1.1, 5.2]</p>	<p>Agent (5) <i>insert name</i></p> <p>Agent's service: <i>insert service</i></p> <p>Postal address: <i>insert postal address</i> <i>insert town</i> <i>insert postal code</i></p> <p>Tel: <i>insert tel no</i> Fax: <i>insert fax no</i></p>
<p>42.1.8 [1.1, 5.2]</p>	<p>Agent (6) <i>insert name</i></p> <p>Agent's service: <i>insert service</i></p> <p>Postal address: <i>insert postal address</i> <i>insert town</i> <i>insert postal code</i></p> <p>Tel: <i>insert tel no</i> Fax: <i>insert fax no</i></p>
<p>42.1.9 [1.1, 5.2]</p>	<p>Agent (7) <i>insert name</i></p> <p>Agent's service: <i>insert service</i></p> <p>Postal address: <i>insert postal address</i> <i>insert town</i> <i>insert postal code</i></p> <p>Tel: <i>insert tel no</i> Fax: <i>insert fax no</i></p>
<p>42.2</p>	<p>CONTRACT DETAILS</p>
<p>42.2.1 [1.1]</p>	<p>Works description: Refer to document C3 – Scope of Work.</p>
<p>42.2.2 [1.1]</p>	<p>Site description: Refer to document C4 – Site Information.</p>

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42.2.4 [41.0]	Specific options that are applicable to a State organ only Where so :
[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 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: state elements and extended defects liability periods
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 [24.3.1] [30.1]	For the works as a whole: The date for practical completion shall be 24 months from the commencement date and the penalty per calendar day shall be R 500.00 .
42.2.8 [24.3.1] [28.1]	For the works in sections : 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 Section 5: insert description as may be applicable insert penalty amount Section 6:

	<i>insert description as may be applicable</i> <i>insert penalty amount</i>
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42.2.9 [1.2]	The law applicable to this agreement shall be that of the: Republic of South Africa
42.3	INSURANCES
42.3.1 [10.1 #, 10.2 #, 12.1 #]	Contract works insurance to be effected by the contractor <input type="checkbox"/> To the minimum value of the contract sum plus 10% With a deductible not exceeding 5% of each and every claim Or <input type="checkbox"/> For the minimum sum of R insert amount (insert amount in words) With a deductible not exceeding 5% of each and every claim
42.3.2 [10.1#, 10.2 #, 12.1 #]	Supplementary insurance is required: Yes To the minimum value of the contract sum plus 10 %
42.3.3 [11.1#, 12.1 #]	Public liability insurance to be effected by the contractor <input checked="" type="checkbox"/> For the sum of R 5 million With a deductible not exceeding 5% of each and every claim Or <input type="checkbox"/> For the sum of R insert amount (insert amount in words) With a deductible not exceeding 5% of each and every claim
42.3.4 [11.2 #, 12.1 #]	Support insurance to be effected by the contractor For the sum of R insert amount (insert amount in words) With a deductible of R insert amount (insert amount in words)
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	Bills of quantities / Lump sum document schedule of rates drawn up in accordance with: <input type="checkbox"/> Standard System of Measuring Building Work (sixth edition as amended) Or <input type="checkbox"/> Standard System of Measuring Building Work for Small or Simple Buildings 1999 Or <input type="checkbox"/> Other (<i>specify</i>)
42.4.5 [3.4]	JBCC Conditions of Contract are to be included in the contract documents: No

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<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 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>
<p>42.4.7 [3.10]</p>	<p>Details of changes made to the provisions of JBCC standard documentation</p> <p>Clause</p> <p>1.1 COMMENCEMENT DATE – means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect</p> <p>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</p> <p>CONSTRUCTION PERIOD – means the period commencing on the commencement date and ending on the date of practical completion</p> <p>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</p> <p>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</p> <p>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)</p>

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<p>42.4.7 [3.10]</p>	<p>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</p> <p>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</p> <p>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:</p> <p>1.6.4 No clause</p> <p>3.2.1 A construction guarantee in terms of 14.0, where so elected in his tender</p> <p>3.7 Add at the end thereof:</p> <p>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.</p> <p>3.10 Replace the second reference to “principal agent” with the word “employer”</p> <p>4.3 No clause</p> <p>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</p> <p>10.5 Add the following as 10.5</p> <p>Damage to the works</p> <p>(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</p> <p>(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</p> <p>(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</p> <p>(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</p>
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<p>42.4.7 [3.10]</p>	<p>10.6 Add the following as 10.6</p> <p>Injury to Persons or loss of or damage to Properties</p> <ol style="list-style-type: none"> (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 <p>10.7 Add the following as 10.7</p> <p>HIGH RISK INSURANCE</p> <p>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:</p> <p>10.7.1 Damage to the works</p> <p>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</p> <p>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</p>
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	the works and to rebuild, restore, replace and/or repair the works , at the contractor's own costs
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<p>42.4.7 [3.10]</p>	<p>10.7.2 Injury to persons or loss of or damage to property</p> <p>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</p> <p>The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable 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</p> <p>10.7.3 It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.7.1 and 10.7.2. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty one (21) calendar days of the commencement date but before commencement of the works, submit to the employer proof of such insurance policy, if requested to do so</p> <p>10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole</p> <p>14.0 Replace the entire clause 14.0 with the following:</p> <p>14.0 SECURITY</p> <p>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> <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>
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	14.3.1 The contractor shall furnish the employer with a cash deposit equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date
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<p>42.4.7 [3.10]</p>	<p>14.3.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT), and refund the balance to the contractor</p> <p>14.3.3 Within twenty-one (21) calendar days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor</p> <p>14.3.4 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor</p> <p>14.3.5 The employer shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor</p> <p>14.3.6 The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party</p> <p>14.4 Where security as a variable construction guarantee of ten 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> <p>14.5 Where security as a fixed construction guarantee of five per cent (5%) of the contract sum (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.5.1 The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT)</p> <p>14.5.2 The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate of practical completion</p> <p>14.5.3 The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring</p> <p>14.5.4 The payment reduction of the value certified in a payment certificate shall be in terms of 31.8(A) and 34.8</p> <p>14.5.5 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or may do both</p>
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	<p>14.6 Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.6.1 The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>14.6.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor</p> <p>14.6.3 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(A)</p> <p>14.6.4 Where the employer has a right of recovery against the contractor in terms of 33.0, the employer may issue a written notice in terms of 33.4 or may recover from the payment reduction or may do both</p> <p>14.7 Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected:</p> <p>14.7.1 The payment reduction of the value certified in a payment certificate shall be <i>mutatis mutandi</i> in terms of 31.8(B)</p> <p>14.7.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction or portions thereof to the contractor</p> <p>14.8 Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement</p> <p>14.9 Should the contractor fail to furnish the security in terms of 14.2 the employer, in his sole discretion, and without notification to the contractor, is entitled to change the contractor's selected form of security to that of a ten per cent (10%) payment reduction of the value certified in the payment certificate (excluding VAT), whereafter 14.7 shall be applicable</p> <p>15.1.1 No clause</p> <p>15.1.2 The security selected in terms of 14.0</p> <p>15.1.4 Add 15.1.4 as follows:</p> <p style="padding-left: 40px;">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</p> <p>15.2.1 Under 41: Amend to read as follows:</p> <p style="padding-left: 40px;">"Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.4</p> <p>17.1.11 Delete the words "and the appointment of nominated and selected subcontractors"</p>
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20.1.3 No clause

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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**

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 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**

31.12 Delete the following: "Payment shall be subject to the **employer** giving the **contractor** a tax invoice for the amount due."

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

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	<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 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 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> <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.</p>
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Tender no: **PET02/2023**

42.0	Part 2: Contract Data provided by the Bidder:
42.5	CONTRACT DETAILS
42.5.1	<p>The Name of Bidder:</p> <p>_____</p> <p>Postal address:</p> <p>_____</p> <p>_____</p> <p>_____ Postal Code: _____</p> <p>Tel: _____ Fax: _____</p> <p>TAX / VAT Registration No: _____</p> <p>Physical address:</p> <p>_____</p> <p>_____</p> <p>_____ Postal Code: _____</p> <p>E-mail address: _____</p>
42.5.2	<p>The accepted contract sum inclusive of tax is R _____</p> <p>Amount in words: _____</p>
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: **PET02/2023**

<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 Insurance Act (Long-Term Insurance Act, 1998 (Act 52 of 1998) or 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 type="checkbox"/> No <input type="checkbox"/> Document marked as: _____</p> <p>Lump sum document: : Yes <input type="checkbox"/> No <input 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"/> (<i>Attach additional pages if more space is required</i>)</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>

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

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

FOR ATTENTION

Mr Tlotliso Telile
Private Bag X3913
Gqeberha
6056

Sir,

VARIABLE CONSTRUCTION GUARANTEE FOR THE EXECUTION OF A CONTRACT IN TERMS OF JBCC 2000 (4.1 EDITION OF 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 and Infrastructure, (hereinafter referred to as the “**employer**”), Contract/Tender No: **PET02/2023**, for the **PORT ELIZABETH AREA: MAINTENANCE OF GENERAL BUILDING WORKS IN STATE OWNED BUILDING COMPLEXES FOR A PERIOD OF 24 MONTHS** (hereinafter referred to as the “**contract**” in the amount of R **insert amount, (insert amount in words)** (hereinafter referred 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 **insert amount, (insert amount in words)** 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.

Tender no: (Insert Tender Number)

3. 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.
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.
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 _____ 20__

AS WITNESS

1. _____

2. _____

Tender no: (Insert Tender Number)

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

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

FOR ATTENTION

Tlotliso Telile
Private Bag 3913
Gqeberha
6056

Sir,

FIXED CONSTRUCTION GUARANTEE FOR THE EXECUTION OF A CONTRACT IN TERMS OF JBCC 2000 (4.1 EDITION OF 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 and Infrastructure (hereinafter referred to as the "**employer**"), Contract/Tender No: PET/02/2023, for the General Maintenance of State Building and Complexes Gqeberha Areas (hereinafter referred to as the "contract") in the amount of R _____, (**insert amount in words**), (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 **insert amount**, (**insert amount in words**) 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**.

Tender no: (Insert Tender Number)

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
_____ 20__

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:** _____

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

Project title:	GQEBERHA (PORT ELIZABETH) AREA: MAINTENANCE OF GENERAL BUILDING WORKS IN STATE OWNED BUILDING COMPLEXES FOR A PERIOD OF 24 MONTHS		
Tender no:	PET02/2023	Reference no:	

C2.1 Pricing Instructions

1. **GENERAL (Note to departmental project manager/consultant(s): This item serves as a guideline only and must be deleted)**

- (a) *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.*
- (b) *The consultant(s)/project manager must acquaint themselves fully with all relevant matters pertaining to this section in order to enable prospective tenderers to price for all eventualities.*

2. *The following items must be included in the Pricing Instructions. Any additional items deemed necessary must be included herein. (Delete this instruction and re-number the items as required)*

(a) **BILLS OF QUANTITIES / LUMP SUM DOCUMENT**

The **bills of quantities / lump sum document** 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.

(b) **VALUE ADDED TAX**

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

(c) **FIXED PRICE CONTRACT**

Should the bills of quantities / lump sum document be a fixed price contract, the following clause must be inserted in the Pricing Instructions. (Delete this instruction if a fixed price contract is applicable, or delete item in total if not a fixed price contract)

Tenderers are to take note that contract price adjustments are not applicable to this contract. Tenderers should therefore make provision in the **contract sum**, schedule of rates, etc., for possible price increases during the contract period, as no claims in this regard shall be entertained.

(c) **LABOUR-INTENSIVE WORKS**

Should labour-intensive works be applicable to the contract the following clause must be inserted in the Pricing Instructions. (Delete item in total if labour-intensive works are not applicable to the contract)

Those parts of the works to be constructed using labour-intensive methods are marked in the **bills of quantities / lump sum document** with the letters LI either in a separate column or as a prefix or suffix against every item so designated. The works, or parts of the works so designated are to be constructed using labour-intensive methods only. The use of plant to provide such works, other than plant specifically provided for in the scope of work, is a deviation from the contract. The items marked with the letters LI are not necessarily an exhaustive list of all the activities which must be done by hand,

Pricing Instructions – JBCC: PG-02.2 (EC)

and this clause does not over-ride any of the requirements in the generic labour-intensive specification in the Scope of Works.

Where minimum labour intensity is specified by the design the **contractor** is expected to use their initiative to identify additional activities that can be done labour-intensively in order to comply with the set minimum labour intensity target.

Payment for items which are designated to be constructed labour-intensively (either in this schedule or in the Scope of Works) will not be made unless they are constructed using labour-intensive methods. Any unauthorised use of plant to carry out work which was to be done labour-intensively will not be condoned and any works so constructed will not be certified for payment.

**Gqeberha(Port Elizabeth) Area: Maintenance of
General Building Works in State Owned
Building Complexes for a Period of 24 Months
Tender No.: PET02/2023**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>NOTE:</u> Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill</p> <p><u>Duration of this Contract</u></p> <p>The duration of this contract is for a period of 24 months.</p> <p><u>Pricing of Rates</u></p> <p>The rates priced in this bills of quantities must include the cost of all materials, labour, transport, accommodation and profit. (The cost for travelling once to site and back is elsewhere measured).</p> <p><u>CONDITION OF CONTRACT: Compliance with all contractual requirements and obligations in terms of the General Conditions of Contracts and the Contract Data</u></p> <p>Conditions except as elsewhere measured:</p> <p>Fixed: _____ Value: _____ Time: _____</p> <p>Surety. Performance bond</p> <p>Fixed: _____ Value: _____ Time: _____</p> <p style="text-align: right; margin-right: 50px;">Carried Forward</p> <p>Bill No. 1 Preliminaries National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management</p>			
			SUM	
			SUM	
			R	

**Gqeberha(Port Elizabeth) Area: Maintenance of General
Building Works in State Owned Building Complexes for a
Period of 24 Months
Tender No.: PET02/2023**

Brought Forward		R
Insurance: Construction Works:		
Fixed: _____	Value: _____	
Time: _____		SUM
Insurance: Public Liability:		
Fixed: _____	Value: _____	
Time: _____		SUM
Construction Programme compile; submit; maintain:		
Fixed: _____	Value: _____	
Time: _____		SUM
<u>MANAGEMENT OF CONTRACT</u>		
1	<i>Management of the works</i>	
Fixed: _____	Value: _____	
Time: _____		Item
2	<i>Programme for the works</i>	
Fixed: _____	Value: _____	
Time: _____		Item
3	<i>Progress meetings</i>	
Fixed: _____	Value: _____	
Time: _____		Item
4	<i>Technical meetings</i>	
Fixed: _____	Value: _____	
Time: _____		Item
5	<i>Labour and plant records</i>	
Fixed: _____	Value: _____	
Time: _____		Item
Carried Forward		R
Bill No. 1 Preliminaries National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management		

**Gqeberha(Port Elizabeth) Area: Maintenance of General
Building Works in State Owned Building Complexes for a
Period of 24 Months
Tender No.: PET02/2023**

	Brought Forward		R
6	<p>Plant, equipment , sheds and offices</p> <p>Fixed: _____ Value: _____ Time: _____</p> <p><u>OCCUPATIONAL HEALTH AND SAFETY ACT</u></p> <p>7 The contractor shall comply with all the requirements set out in the Construction Regulations, 2003 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).</p> <p>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</p> <p>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.</p> <p>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</p> <p>Fixed: _____ Value: _____ Time: _____</p>	Item	
	Carried to Summary		R
	<p>Bill No. 1 Preliminaries National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management</p>		

**Gqeberha(Port Elizabeth) Area: Maintenance of General
Building Works in State Owned Building Complexes for a
Period of 24 Months
Tender No.: PET02/2023**

Item No		Quantity	Rate	Amount
	<u>BILL No. 2</u>			
	<u>ALTERATIONS</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
	Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill			
	<u>REMOVAL OF EXISTING WORK</u>			
	<u>Breaking up and removing mass concrete:</u>			
1	Strip footings and foundations	m3	20	
2	Surface beds not exceeding 100mm thick	m2	50	
3	Surface beds exceeding 100mm and not exceeding 200mm thick	m2	50	
	<u>Breaking up and removing reinforced concrete including cutting off and removing reinforcement</u>			
4	Strip footings and foundations	m3	20	
5	Stairs and landings	m3	10	
6	Surface beds not exceeding 100mm thick	m2	50	
7	Surface beds exceeding 100mm and not exceeding 200mm thick	m2	50	
	<u>Breaking down and removing brickwork, etc.:</u>			
8	Mass Brickwork	m3	10	
9	Half brick walls.	m2	50	
	Carried Forward			R
	Bill No. 2 Alterations National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

**Gqeberha(Port Elizabeth) Area: Maintenance of General
Building Works in State Owned Building Complexes for a
Period of 24 Months
Tender No.: PET02/2023**

Brought Forward				R
10	One brick walls.	m2	50	
<u>Taking out and removing doors, windows, etc from brickwork to remain</u>				
11	Timber single door from frame to remain	No	15	
12	Timber double door from frame to remain	No	10	
13	Timber single door and frame	No	12	
14	Timber double door and frame	No	8	
15	Timber single door and steel frame	No	10	
16	Timber double door and steel frame	No	10	
17	Glazed timber window not exceeding 2,5m2	No	20	
18	Glazed steel window not exceeding 2,5m2	No	20	
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>				
19	Corrugated iron roof covering and timber purlins	m2	500	
20	Corrugated fibre cement roof covering and timber purlins	m2	500	
21	Concrete or clay roof tiles, timber battens and underlay	m2	500	
22	Slate roof tiles, timber battens and underlay	m2	500	
23	Fibre cement slate roof tiles, timber battens and underlay	m2	500	
24	Tongued and grooved timber suspended floors including skirtings, joists, bearers, etc	m2	500	
Carried Forward				R
Bill No. 2 Alterations National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management				

**Gqeberha(Port Elizabeth) Area: Maintenance of General
Building Works in State Owned Building Complexes for a
Period of 24 Months
Tender No.: PET02/2023**

Brought Forward			R
25	Gypsum plasterboard or fibre cement ceilings including cornices, timber bandering, etc	m2	500
26	Suspended ceilings including suspension grid, hangers, etc	m2	500
27	Drywall partitioning 3m high including doors, ironmongery, glazed borrowed lights, etc	m	50
28	Fibre cement fascia or barge boards	m	50
29	Timber fascia or barge boards	m	50
30	PVC fascia or barge boards	m	50
31	Structural Roof timber of various sizes.	m	300
32	Cornices	m	50
33	Extra over for removal of asbestos roof covering as per regulations	m2	100
<u>Taking out and removing sundry joinery work</u>			
34	Timber cornices from brickwork	m	50
35	Timber cover strip from ceiling to remain	m	50
36	Timber skirtings from brickwork	m	50
37	Timber sills from brickwork	m	50
<u>Taking up and removing vinyl floor coverings, carpeting, etc</u>			
38	Vinyl tile floor covering including preparing screed for new vinyl floor covering	m2	250
39	Vinyl sheet floor covering with welded joints including preparing screed for new vinyl floor covering	m2	250
40	Carpet tile floor covering including preparing screed for new carpeting	m2	250
Carried Forward			R
Bill No. 2 Alterations National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

**Gqeberha(Port Elizabeth) Area: Maintenance of General
Building Works in State Owned Building Complexes for a
Period of 24 Months
Tender No.: PET02/2023**

Brought Forward			R
<u>Taking out and removing ironmongery</u>			
41	Mortice lock and striking plate from timber door and steel frame	No	30
<u>Taking out/off and removing sundry metalwork</u>			
42	Steel pipe handrail from walls including making good plaster finish	m	50
43	Steel balustrade 900mm high from concrete stairs including making good granolithic finish to kerb	m	50
44	Steel wire mesh burglar proofing with framing not exceeding 2.50m ² bolted to brickwork and making good plaster	No	20
<u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u>			
45	Grano from floors	m ²	100
46	Screed from floors	m ²	100
47	Internal plaster from walls	m ²	150
48	External plaster from walls	m ²	150
<u>Hacking up/off and removing ceramic/porcelain tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes</u>			
49	Tiles to floors	m ²	50
50	Tiles to treads and risers of stairs	m ²	30
51	Tiles to walls	m ²	50
52	Tile skirting	m	50
Carried Forward			R
Bill No. 2 Alterations National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

**Gqeberha(Port Elizabeth) Area: Maintenance of General
Building Works in State Owned Building Complexes for a
Period of 24 Months
Tender No.: PET02/2023**

Brought Forward				R
<u>Taking out and removing piping, sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere)</u>				
53	Galvanised steel piping including fittings and brackets	m	50	
54	Cast iron piping including fittings and brackets	m	30	
55	Copper piping including fittings and brackets	m	50	
56	Stainless steel wash hand basin	No	5	
57	Stainless steel sink and drainer on timber cupboard	No	5	
58	Vitreous china wash hand basin	No	5	
59	Vitreous china WC pan with cistern	No	5	
60	Vitreous china WC pan with flush valve	No	5	
61	Vitreous china wall hung urinal with flush valve	No	5	
62	Stainless steel wall urinal 1200mm high.	No	5	
<u>Taking out and removing gutters and downpipes (making good paintwork elsewhere)</u>				
63	Rainwater pipes and holderbats	m	150	
64	Eaves gutters and brackets.	m	200	
65	Extra over for removal of asbestos gutters and downpipes as per regulations	m	50	
<u>Taking out and removing glass and mirrors</u>				
66	Glass from steel windows including cleaning out rebates and preparing for new glass	m2	30	
67	Glass from timber windows with beads including cleaning out rebates and preparing for new glass	m2	30	
68	Mirror from wall not exceeding 2m2	No	10	
Carried Forward				R
Bill No. 2 Alterations National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management				

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				R
	Brought Forward			
	<u>PREPARATORY WORK TO EXISTING SURFACES</u>			
	<u>Clean existing gutters and downpipes using a high pressure water cleaning system removing all spawl and deleteriuos matter:</u>			
69	Eaves gutters	m	200	
70	Down pipes	m	50	
	<u>Making good internal cement plaster:</u>			
71	Chase out plaster cracks to form recess 25mm wide and 20mm deep, and fill with 1:4 cement mortar, including floating up smooth to match existing	m	50	
	Carried to Summary			R

Bill No. 2
Alterations
**National Department of Public Works and Infrstructure
Gqeberha Regional Office - Facilities Management**

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Item No	Quantity	Rate	Amount
<u>BILL No. 3</u>			
<u>EARTHWORKS</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill			
<u>Proprietary items or materials</u>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works			
<u>Nature of material to be excavated</u>			
The material to be excavated is assumed to be predominantly of a composition that will allow "soft excavation" as specified, but including a percentage of "intermediate excavation" and "hard rock excavation"			
<u>Carting away of excavated material</u>			
Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations, or alternatively, from stock piles situated on the building site			
<u>SITE CLEARANCE</u>			
<u>REMOVAL OF TREES ETC</u>			
<u>Cutting down and removing, grubbing up roots, filling in holes and compacting to 90% Mod AASHTO density</u>			
1	Tree exceeding 200mm and not exceeding 500mm girth	No	10
Carried Forward			R
Bill No. 3 Earthworks National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward			R
2	Tree exceeding 500mm and not exceeding 1000mm girth	No	5
3	Tree exceeding 1000 mm and not exceeding 1500 mm girth	No	5
4	Tree exceeding 1500 mm and not exceeding 2000 mm girth	No	5
<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>			
<u>Soft excavation not exceeding 2m deep</u>			
5	Trenches	m3	100
6	Reduce levels under floors	m3	100
<u>Extra over all excavations for carting away</u>			
7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	200
<u>Keeping excavations free from water</u>			
8	Keeping excavations free from mud and all water other than from subterranean sources		Item
<u>FILLING, ETC</u>			
<u>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 98% Mod AASHTO density</u>			
9	Backfilling to trenches, holes, etc	m3	200
<u>Earth filling G5 supplied by the contractor compacted to 98% Mod AASHTO density</u>			
10	Under floors, etc	m3	100
Carried Forward			R
Bill No. 3 Earthworks National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

Brought Forward			R
<u>Course river sand filling supplied by the contractor compacted in 150mm layers to 95% Mod AASHTO density</u>			
11	50mm thick dry, clean, washed riversand layer evenly spread over filling (elsewhere), leveled, watered and rammed to receive waterproof membrane (elsewhere) under solid floors.	m2	200
<u>Compaction of surfaces</u>			
12	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	200
<u>PROTECTION AGAINST TERMITES</u>			
<u>Soil insecticide</u>			
13	Under floors, etc including forming and poisoning shallow furrows against foundation walls, etc and filling in furrows and ramming	m2	200
Carried to Summary			R
Bill No. 3 Earthworks National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Item No		Quantity	Rate	Amount
	<u>BILL No. 4</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>NOTE:</u> Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
	Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill			
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>			
	<u>25 MPa/19mm concrete</u>			
1	Strip footings	m3	10	
2	Surface beds cast in panels on waterproofing	m3	10	
	<u>REINFORCED CONCRETE</u>			
	<u>25 MPa/ 19mm Concrete poured around reinforcement:</u>			
3	Strip footings	m3	10	
4	Bases	m3	5	
5	Surface beds cast in panels on waterproofing	m3	10	
	Carried Forward		R	
	Bill No. 4 Concrete, formwork and reinforcement National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

Brought Forward			R
<u>CONCRETE TESTING</u>			
6	Allow for all necessary concrete test cubes size 150 x 150 x 150mm cast from batches of concrete required for the entire contract as specified, made, stored, cured and tested in accordance with SABS Methods 861 and 863, including use of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Head : Works	Item	
<u>CONCRETE SUNDRIES</u>			
<u>Finishing top surfaces of concrete smooth with a wooden float to a broom finish</u>			
7	Surface beds, slabs, etc.	m2	250
<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>			
<u>Rough formwork to sides</u>			
8	Strip footings (Provisional)	m2	50
9	Bases (Provisional)	m2	50
<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>			
10	Edges, risers, ends and reveals exceeding 300mm high or wide circular to (not?) exceeding 1m radius	m2	50
11	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	50
<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>			
<u>Smooth formwork to sides</u>			
12	Edges, risers, ends and reveals exceeding 300mm high or wide circular to (not?) exceeding 1m radius	m2	50
Carried Forward			R
Bill No. 4 Concrete, formwork and reinforcement National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward			R
13	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	50
<u>MOVEMENT JOINTS, ETC.</u>			
<u>Vertical joggle construction joints through concrete including one coat thick cement slurry and one coat Bitumen paint to one face</u>			
14	Surface beds not exceeding 300mm thick	m	50
<u>Expansion joints with 12mm thick Bitumen impregnated softboard between vertical concrete and brick surfaces</u>			
15	Expansion joint not exceeding 300mm high	m	50
<u>Saw cut joints:</u>			
16	Form 3 x 40mm saw cut to top of concrete within 12 hours of pouring. Allow to cure for 7 days, then ream out to form 13mm deep and 6mm wide recess.	m	50
<u>REINFORCEMENT</u>			
<u>Fabric reinforcement</u>			
17	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	100
Carried to Summary			R
Bill No. 4 Concrete, formwork and reinforcement National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Item No		Quantity	Rate	Amount
	<p><u>BILL No. 5</u></p> <p><u>MASONARY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill</p> <p><u>Proprietary items or materials</u></p> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works</p> <p><u>BRICKWORK</u></p> <p><u>Sizes in descriptions</u></p> <p>Where sizes in descriptions are given in brick units, "one brick" shall be the length and "half brick" the width of a brick</p> <p><u>Cement mortar</u></p> <p>Unless otherwise described, all brickwork shall be built in 1:5 cement mortar</p> <p><u>External walls. etc</u></p> <p>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</p>			
	Carried Forward		R	
	<p>Bill No. 5 Masonry National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management</p>			

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Brought Forward			R
<p>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 "Brixéal" bitumen emulsion waterproofing coating</p>			
<u>Face bricks</u>			
Bricks shall be ordered timeously to obtain uniformity in size and colour			
<u>Pointing</u>			
Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc			
<u>Samples, etc</u>			
Rates for brickwork, faced brickwork, etc shall include for all required samples			
<u>BRICKWORK</u>			
<u>FOUNDATIONS (PROVISIONAL)</u>			
<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in foundations (Provisional)</u>			
1	Mass brickwork	m3	5
2	One brick walls	m2	50
3	One and a half brick walls	m2	30
<u>SUPERSTRUCTURE</u>			
<u>Brickwork of NFP bricks in class II mortar</u>			
4	Half brick walls	m2	50
5	One brick walls	m2	50
Carried Forward			R
<p>Bill No. 5 Masonry National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management</p>			

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Brought Forward			R
6	270mm Hollow walls of two half brick skins, including wall ties	m2	50
7	One and a half brick walls	m2	50
<u>BRICKWORK SUNDRIES</u>			
8	Forming toothings and bonding new brickwork to existing	m2	50
9	Raking out joints of existing face brickwork to receive plaster finish	m2	50
<u>Joint forming material in movement joints</u>			
10	12mm Bitumen impregnated fibre board built in vertically through brick walls.	m2	10
<u>Steel bar reinforcement</u>			
11	8mm Diameter mild steel bars built in horizontally	t	0.25
<u>Brickwork reinforcement</u>			
12	75mm Wide reinforcement built in horizontally	m	50
13	150mm Wide reinforcement built in horizontally	m	50
<u>Galvanised hoop iron cramps, ties, etc</u>			
14	32 x 1,6mm Cramp 600mm long, three times bend with one end fixed to brickwork and one end fixed to timber truss	No	30
<u>FACE BRICKWORK</u>			
<u>" Face bricks at (PC Amount R 7000/1000 delivered to site) with recessed horizontal and vertical joints.</u>			
15	Extra over brickwork for face brickwork.	m2	100
16	Extra over brickwork for brick-on-edge header course lintels, pointed on face and 220mm soffit	m	50
Carried Forward			R
Bill No. 5 Masonry National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward			R
<u>Brick-on-edge header course copings, sills, etc pointed with recessed joints on all exposed faces</u>			
17	220mm Copings on top of one brick walls	m	30
18	170 mm Wide window sill set sloping and slightly projecting	m	30
<u>WINDOW SILLS</u>			
<u>"Everite" nutec - cement natural grey sills in single lengths in cement mortar including fixing lugs, etc. fibre cement</u>			
19	10 x 150 mm Wide sills set flat and slightly projecting	m	20
Carried to Summary			R

Bill No. 5
Masonry
National Department of Public Works and Infrastructure
Gqeberha Regional Office - Facilities Management

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Item No	Quantity	Rate	Amount
<u>BILL No. 6</u>			
<u>WATERPROOFING</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>NOTE:</u> Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill			
<u>Proprietary items or materials</u>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works			
<u>Waterproofing</u>			
Waterproofing of roofs, basements, etc shall be laid under a twelve year maintenance free 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			
<u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u>			
<u>"Sika" "Sealoflex" Flexible Acrylic Waterproofing System:</u>			
1	Flashing strip 460mm girth at junction of roof and walls. m	50	
<u>2mm Polyurethane waterproofing</u>			
2	On concrete flat roofs m2	150	
3	On box gutters and metal flashings m2	100	
Carried Forward			R
Bill No. 6 Waterproofing National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward			R
4	On plastered walls <u>W113 crack and hole filler all as per Wilcote's specification</u>	m2	50
5	Check roof area and seal roof screws, small holes and minor cracks. <u>Soudal Fix all polyurethane flexible sealant</u>	m2	250
6	Joints between wall & window frame including cleaning out joint as necessary. <u>DAMPPROOFING OF WALLS AND FLOORS</u> <u>One layer of 250 micron USB green waterproof sheeting sealed at laps with pressure sensitive tape</u>	m	300
7	Under surface beds <u>JOINT SEALANTS, ETC</u> <u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>	m2	100
8	12 x 10mm In expansion joints in floors/walls including raking out expansion joint filler as necessary (Provisional)	m	100
Carried to Summary			R

Bill No. 6
Waterproofing
**National Department of Public Works and Infrastructure
Gqeberha Regional Office - Facilities Management**

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Item No	Quantity	Rate	Amount
<p><u>BILL No. 7</u></p> <p><u>ROOF COVERINGS, ETC</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>NOTE:</u> Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill</p> <p><u>Proprietary items or materials</u></p> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works</p> <p><u>Fixing</u></p> <p>Fixing shall be done according to SABS 1200HB with minimum 225mm end laps</p> <p><u>General</u></p> <p>Description of roof coverings, etc. shall be deemed to include for straight and raking cutting, notches, lapping, sealing strips, holes for fixing, fixing accessories, forming drips and closed ends to troughs, flashings, etc.</p> <p>The descriptions of accessories such as closers, ridges and hip coverings, flashings, etc. shall be deemed to include for fixing, notches, ends, angles and intersections, etc.</p> <p>All work must be done and all fixing accessories, sealing, etc. must be in strict accordance with the manufacturer's specifications and prices are to include therefore.</p> <p>All roof coverings, etc. and fittings are measured, net and prices are to include for lapping.</p> <p style="text-align: right;">Carried Forward</p>			
		R	
<p>Bill No. 7 Roof Coverings, Etc National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management</p>			

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Brought Forward			R
<u>SLATES</u>			
<u>Natural slates laid in double thickness with a head lap of 75mm and nailed along centre with copper clout nails to and including 38 x 38mm sawn softwood battens</u>			
1	Roof covering with pitches not exceeding 25 degrees	m2	100
<u>Cement-fibre slates nailed with copper clout nails to and including 38 x 38mm sawn softwood battens.</u>			
2	Roof covering with pitches not exceeding 25 degrees	m2	100
<u>TILES</u>			
<u>Concrete tiles nailed with non-corrosive nails and/or fixed with suitable non-corrosive clips as required to and including 38 x 38 mm sawn softwood battens over and including an underlay of 250 micron polyethelene sheeting in accordance with SANS 952 Type E fixed to rafters under battens with minimum laps of 150mm</u>			
3	Roof covering with pitches not exceeding 25 degrees	m2	50
4	Roof covering with a 30 degree pitch	m2	50
5	Ridges of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 75mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay and necessary additional battens	m	30
6	Hips of tiles to match roofing tiles, bedded and pointed in 1:3 tinted cement mortar, including 75mm wide strip of 375 micron embossed dampproof course in accordance with SANS 952 Type B underlay, raking cutting to tiles on both sides and necessary additional battens	m	30
7	Verges of capping tiles to match roofing tiles, fixed with non-corrosive fixing accessories	m	30
<u>PROFILED FIBRE-CEMENT SHEETING AND ACCESSORIES</u>			
Carried Forward			R
Bill No. 7 Roof Coverings, Etc National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward			R
<u>Bigsix sheeting and accessories, fixed to timber or steel purlins or rails</u>			
8	Roof covering with pitches not exceeding 25 degrees	m2	100
9	Roof covering with a 30 degree pitch	m2	100
10	Side cladding	m2	50
11	Close fitting adjustable ridge cappings	m	50
<u>PROFILED METAL SHEETING AND ACCESSORIES</u>			
<u>0.58mm Thick Colorplus AZ 150 roof sheeting (colour Sunset Red) with Saflok 700 concealed fix profile to timber purlins (elsewhere measured) at 1.20m centres laid in strict accordance with the manufacturer's specification.</u>			
12	Roof covering with pitch not exceeding 25 degrees	m2	100
13	Ridge capping 460mm girth	m	50
14	Hip capping 460mm girth	m	50
15	Headwall flashing 462mm girth	m	30
16	Sidewall flashing 432mm girth	m	30
17	Counter flashing 185mm girth	m	30
18	Broad flute closure	m	50
19	Broad flute moulded poly closure at ridge.	m	50
20	Narrow flute moulded poly closure at eaves.	m	50
<u>0.8mm Z275 spelter galvanised corrugated steel sheets fixed to timber purlins.</u>			
21	Roof covering with pitches not exceeding 25 degrees	m2	100
Carried Forward			R
Bill No. 7 Roof Coverings, Etc National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward			R
	<u>0.6mm Z275 spelter galvanised troughed steel sheets in single lengths with "Chromadek" finish of approved standard colour on one side and standard grey backing finish on reverse side, fixed to timber purlins.</u>		
22	Roof covering with pitches not exceeding 25 degrees	m2	100
	<u>0.8mm Z600 spelter galvanised steel sheet accessories to preceding roof coverings with "Chromadek" finish of approved standard colour on one side and standard grey backing finish on reverse side</u>		
23	Ridge cappings 460mm girth	m	50
24	Hip cappings 460mm girth	m	50
25	Cover flashings 460mm girth	m	30
26	Side wall flashings 460mm girth	m	30
27	Head wall flashings 460mm girth	m	30
28	Drip flashing 120mm girth	m	30
29	Narrow and broad flute closers	m	50
30	Narrow and broad flute closers, raking at valleys or hips	m	30
	<u>1.25mm Thick Modek translucent roof sheeting (colour Clear) on timber purlins laid in strict accordance with the manufacturer's specification.</u>		
31	Roof covering with pitch not exceeding 25 degrees	m2	100
	<u>Sundries</u>		
32	Replace missing or loose roof screws with new roofing screw and washer.	No	500
	<u>SHEET METAL FLASHINGS, LININGS, COPINGS, ETC</u>		
Carried Forward			R
Bill No. 7 Roof Coverings, Etc National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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	Brought Forward			R
	<u>0,6mm Galvanised sheet steel with silicone polyester finish on one side, with 100mm laps</u>			
33	Flashings	m2	30	
34	Linings to valleys with riveted and sealed joints	m2	30	
35	Cover flashings, including sealing top edge with mastic in and including groove in brickwork	m	30	
	Carried to Summary			R

Bill No. 7
Roof Coverings, Etc
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Item No		Quantity	Rate	Amount
	<u>BILL No. 8</u>			
	<u>CARPENTRY AND JOINERY</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
	Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill			
	<u>STRUCTURAL TIMBERWORK ETC</u>			
	<u>Sawn South African softwood:</u>			
1	38 x 114mm Wall plates	m	100	
2	38 x 114mm Bracing	m	100	
3	38 x 114mm Common rafters in lengths not exceeding 2,4m	m	100	
4	38 x 114mm Common rafters in lengths exceeding 2.4m and not exceeding 3.9m	m	100	
5	38 x 228mm Bearers in lengths not exceeding 2,4m	m	100	
6	38 x 228mm Bearers in lengths exceeding 2.4m and not exceeding 3.9m	m	100	
7	50 x 228mm Bearers in lengths not exceeding 2,4m	m	50	
8	50 x 228mm Bearers in lengths exceeding 2.4m and not exceeding 3.9m	m	50	
9	50 x 228mm Bearers in lengths exceeding 3.9m and not exceeding 6.6m	m	50	
10	38 x 114mm Bolted roof truss members in lengths not exceeding 2,4m	m	150	
	Carried Forward			R
	Bill No. 8 Carpentry & Joinery National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward			R
11	38 x 114mm Bolted roof truss members in lengths exceeding 2.4m and not exceeding 3.9m	m	200
12	38 x 38mm Battens	m	200
13	50 x 76mm Purlins.	m	500
<u>ROOFS, ETC</u>			
<u>ROOF SUNDRIES</u>			
14	"Teco" two way hurricane clips.	No	500
15	Two coats ABE provonite on sawn roof timbers.	m2	200
<u>EAVES, VERGES, ETC.</u>			
<u>Sawn softwood</u>			
16	32 x 228mm Fascias and barge boards	m	100
<u>"Everite FC77" pressed fibre-cement:</u>			
17	10 x 225mm Fascia boards including galvanized steel H-profile jointing strips.	m	100
18	80 x 200mm Barge boards, including aluminium H-profile jointing strips etc	m	50
<u>FLOORS AND SKIRTINGS</u>			
<u>Wrought saligna</u>			
19	Flooring of 12mm tongued and grooved boarding in 108mm widths	m2	150
20	Circular cutting	m	30
21	170 x 25mm Risers with rebated top edge let into and including groove in treads	m	50
22	280 x 38mm Treads with rounded front edge	m	50
Carried Forward			R
Bill No. 8 Carpentry & Joinery National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

**Gqeberha(Port Elizabeth) Area: Maintenance of General
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Brought Forward				R
23	12 x 85mm Skirtings	m	100	
24	12 x 85mm Skirtings stepped over treads and risers of stairs, plugged	m	50	
25	12 x 85mm Skirtings including 19mm quadrant bead, plugged	m	100	
<u>TIMBER DOORS, WINDOWS, ETC</u>				
<u>FRAMED DOORS, ETC.</u>				
<u>Wrot hardwood Eight Panel Entrance door hung to steel frames:</u>				
26	44mm Entrance door, size 813 x 2032mm.	No	10	
<u>Wrot hardwood BB doors hung to steel frames:</u>				
27	40mm Thick hardwood BB door, size 813 x 2032mm.	No	25	
<u>40mm Thick TDM semi solid flush door with hardwood face veneer covering on both sides and two concealed hardwood edges.</u>				
28	40mm Door 813 x 2032mm high.	No	25	
29	40mm Double door 1610 x 2023mm high with rebated meeting edges	No	15	
<u>WINDOWS</u>				
<u>Wrought Meranti windows</u>				
30	Window type NE1 579 x 655mm high	No	10	
31	Window type NC1 579 x 925mm high	No	15	
<u>FRAMES ETC</u>				
<u>LININGS, POSTS, ETC</u>				
Carried Forward				R
Bill No. 8 Carpentry & Joinery National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management				

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Brought Forward			R
<u>Wrought Meranti</u>			
32	56 x 42mm Rebated and housed linings, plugged	m	30
33	86 x 42mm Rebated frame for 813 x 2023mm high door	No	25
<u>FITTINGS</u>			
<u>General</u>			
<p>The following cupboard fittings have been measured as complete units i.e. the components of the units have not been separately measured. The descriptions, therefore, of such units shall be deemed to include all components, assembling, housing, notching, glueing, blocking, planting on and screwing with countersunk screws, edge strips, decorative plastic finish, glass, ironmongery, metalwork, paint or varnish finishes, etc.</p> <p>Kitchen cupboard units shall consist of white melamine covered A grade supawood carcasses, all doors to be wrap doors with A grade supawood wrapped with a 350 micron Renolit (3D PVC) colour to be Royal Mahogany and pattern to be Bullnose. All hinges, door handles, drawer slides, etc. to be stainless steel.</p> <p>Kitchen cupboard floor units to be installed on adjustable stainless steel legs 150mm above floor finish.</p> <p>Kitchen cupboard wall units to be installed with a decorative coping on top.</p> <p>Worktops to be 32mm formica post formed worktops.</p>			
<u>Kitchen cupboards etc</u>			
34	Wall cupboard 1000 x 350 x 600mm high with top, sides, bottom, division, shelf, back and two doors	No	5
35	Wall cupboard 2500 x 350 x 600mm high with top, sides, bottom, divisions, shelves, back and five doors	No	5
36	Floor cupboard unit 450 x 590 x 2500mm high with top, sides, bottom, divisions, shelves, back and one door.	No	5
Carried Forward			R
<p>Bill No. 8 Carpentry & Joinery National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management</p>			

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Brought Forward			R
37	Floor cupboard unit 900 x 590 x 2500mm high with top, sides, bottom, divisions, shelves, back and two doors.	No	5
38	Floor cupboard unit 2500 x 590 x 950mm high with top, sides, bottom, divisions, shelves, back and four doors, dividing framework and four drawers	No	5
39	Sink cupboard unit 2570 x 590 x 950mm high with sides, bottom, divisions, shelf, back and five hinged doors (sink elsewhere)	No	5
Carried to Summary			R
Bill No. 8 Carpentry & Joinery National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Item No	Quantity	Rate	Amount
<u>BILL No. 9</u>			
<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
<u>SUPPLEMENTARY PREAMBLES</u>			
<u>NOTE:</u> Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill			
<u>Proprietary items or materials</u>			
Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works			
<u>Descriptions</u>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete			
<u>CEILINGS, ETC</u>			
<u>NAILED UP CEILINGS</u>			
<u>Openings</u>			
Prices for openings for light fittings, ventilation grilles, air conditioning diffusers, etc are to include for any necessary additional support, trimming around, etc			
<u>6.4mm Gypsum plasterboard with 9 x 45mm wrought softwood cover strips over joints</u>			
1	Ceilings including 38 x 38mm sawn softwood brandering at 450mm centres and cross brandering at 450mm centres	m2	200
Carried Forward			R
Bill No. 9 Ceilings, Partitions And Access Flooring National Department of Public Works and Infrstructure Gqeberha Regional Office - Facilities Management			

**Gqeberha(Port Elizabeth) Area: Maintenance of General
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Brought Forward			R
2	Extra over ceiling for opening for 650 x 650mm trap door complete with trimmers, frame, cross branders, ceiling board, hinges, etc as described (Provisional)	No	5
<u>4 mm Thick "Everite - Nutec" fibre cement ceiling with H-profile PVC jointing strips</u>			
3	Ceilings including 38 x 38mm sawn softwood ceiling brandering at 600mm centres	m2	200
4	Extra over ceiling for opening for 650 x 650mm trap door complete with trimmers, frame, cross branders, ceiling board, hinges, etc as described (Provisional)	No	5
<u>6 mm Thick "Everite - Nutec" fibre cement ceiling with H-profile PVC jointing strips</u>			
5	Ceilings including 38 x 38mm sawn softwood ceiling brandering at 600mm centres	m2	200
6	Extra over ceiling for opening for 650 x 650mm trap door complete with trimmers, frame, cross branders, ceiling board, hinges, etc as described (Provisional)	No	5
<u>"Rhino" gypsum plasterboard cornices</u>			
7	75mm Coved cornices	m	100
<u>SUSPENDED CEILINGS</u>			
<u>595 x 595 x 4 mm Thick "Everite Nutec Vinyl Thermoclad" ceiling boards with 25 mm polystyrene backing on powdercoated exposed suspended T-system, including main and cross tees, necessary hangers, grids, hold down clips, etc.</u>			
8	Ceilings suspended not exceeding 1 m below timber roof trusses at 760 mm centres	m2	200
9	Pre-painted shadowline cornice plugged	m	50
<u>INSULATION</u>			
Carried Forward			R

Bill No. 9
Ceilings, Partitions And Access Flooring
National Department of Public Works and Infrastructure
Gqeberha Regional Office - Facilities Management

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Brought Forward			R
<u>75 mm Thick "Isotherm" mineral fibre insulation</u>			
10	Insulation laid over branderling between trusses	m2	200
11	Insulation laid between suspended ceiling grid	m2	200
Carried to Summary			R
Bill No. 9 Ceilings, Partitions And Access Flooring National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Item No		Quantity	Rate	Amount
	<u>BILL No. 10</u>			
	<u>FLOOR COVERINGS, WALL LININGS, ETC</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>NOTE:</u> Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
	Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill			
	<u>Proprietary items or materials</u>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works			
	<u>Cleaning</u>			
	Rates for floor covering shall include for stripping, proper cleaning and sealing on completion			
	<u>FLOOR COVERINGS</u>			
	<u>300 x 300 x 2.5mm "Marleyflex" semi-flexible vinyl tiles</u>			
1	On floors	m2	250	
	<u>"Nexus Berber Point 520" 500 x 500 x 8mm carpet tiles laid in accordance with SABS 0186-2000 code of practice with acrylic emulsion adhesive</u>			
2	On floors	m2	250	
	<u>Laminated timber flooring laid strictly as per manufacturers specification</u>			
3	On floors	m2	200	
	Carried Forward			R
	Bill No. 10 Floor Coverings, Wall Linings, Etc National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward			R
<u>SKIRTINGS, NOSINGS, ETC</u>			
<u>"Marley Intrad"</u>			
4	MCF 54 Skirting	m	50
5	MAN 3 Strip	m	50
6	MFE 16 Sealing strip	m	50
<u>POLISH, SEALERS, ETC</u>			
7	Prepare, strip with an approved vinyl was stripper, and apply 3 coats heavy duty commercial vinyl floor sealant and mechanically buffa up to high gloss finish.	m2	250
<u>"Genesis"</u>			
8	Brass straight edge trim Code 2228	m	50
Carried to Summary			R

Bill No. 10
Floor Coverings, Wall Linings, Etc
National Department of Public Works and Infrastructure
Gqeberha Regional Office - Facilities Management

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Item No		Quantity	Rate	Amount
	<u>BILL No. 11</u>			
	<u>PLASTERING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>NOTE:</u> Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
	Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill			
	<u>GRANOLITHIC</u>			
	<u>Untinted granolithic on concrete</u>			
1	30mm Thick on floors and landings	m2	150	
	<u>INTERNAL PLASTER</u>			
	<u>Cement plaster on brickwork</u>			
2	On walls	m2	250	
3	On narrow widths	m2	50	
	<u>EXTERNAL PLASTER</u>			
	<u>Cement plaster on brickwork</u>			
4	On walls	m2	250	
5	On narrow widths	m2	50	
	Carried to Summary		R	
	Bill No. 11 Plastering National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Item No		Quantity	Rate	Amount
	<u>BILL No 12</u>			
	<u>TILING</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
	Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill			
	<u>Descriptions</u>			
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 4:1 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 3:1 plaster bedding			
	<u>FLOOR TILES</u>			
	<u>Floor tiles at a PC Amount of R200/m2 fixed with adhesive to plaster and flush pointed with acid resistant jointing compound (plaster elsewhere)</u>			
1	On floors and landings	m2	100	
	<u>Floor tiles at a PC Amount of R500/m2 fixed with adhesive to plaster and flush pointed with acid resistant jointing compound (plaster elsewhere)</u>			
2	On floors and landings	m2	250	
	<u>WALL TILES</u>			
	<u>Wall tiles at a PC Amount of R250/m2 fixed with adhesive to plaster and flush pointed with acid resistant jointing compound (plaster elsewhere)</u>			
3	On walls	m2	200	
	Carried Forward		R	
	Bill No. 12 Tiling National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward			R
4	On narrow widths	m2	30
<u>"Genesis"</u>			
5	Aluminium edge/corner trim.	m	50
6	Code EPB 100 straight brass premier trim.	m	50
7	Code MHB 100 brass movement joint.	m	50
Carried to Summary			R

Bill No. 12
Tiling
**National Department of Public Works and Infrastructure
Gqeberha Regional Office - Facilities Management**

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Item No	Quantity	Rate	Amount
<p><u>BILL No. 13</u></p> <p><u>PLUMBING AND DRAINAGE</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>NOTE:</u> Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill</p> <p><u>Penalty for lack of capacity in septic tanks</u></p> <p>A penalty of R 10,000-00 per instance will be applied should a lack of capacity occur at any stage during the 24 month contract period for whatever reason. No excuses will be entertained.</p> <p><u>Carting away and disposal of sewerage</u></p> <p>Descriptions of carting away of sewerage material shall be deemed to include pumping waste material into trucks directly from the septic tanks on site.</p> <p>The removed sewerage must be disposed of at a suitable site for waste and waste water as per municipal by laws, which is situated approximately 40km from the site.</p> <p><u>Contractors Register</u></p> <p>The contractor shall supply a duplicate site register book in which the following information shall be recorded for each and every load: date, time in, time out, drivers name, vehicle registration, drivers signature, SAPS official name, SAPS official signature.</p> <p>The original page of this register as well as the contractors invoice as to be submitted to the Project Manager at the Department of Works on a monthly basis.</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 13 Plumbing and Drainage National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management</p>			R

Brought Forward

R

Duration of this Contract

The duration of this contract is for a period of 24 months.

Loads

The absolute minimum capacity of the removal vehicle shall be 6000 litres, in order to limit the number of loads and subsequent disruptions for the client.

All trucks are to be fitted with a gauge / meter showing the volume of sewer in the tank.

The contractor will be remunerated per kilo litre removed. The contractor will **not be** remunerated for volumes less than 1000 litres.

Should it be found that the Department is charged for a load that is not full, it will be regarded as fraud which will lead to the immediate cancellation of the contract.

Health and Safety

The contractor shall comply with all health and safety regulations.

"Polycop" polypropylene pipes:

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

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

All pipe diameters are nominal external

Carried Forward

R

Bill No. 13
Plumbing and Drainage
**National Department of Public Works and Infrastructure
Gqeberha Regional Office - Facilities Management**

Brought Forward

R

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

Copper pipes:

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

Fixing of pipes

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

Carried Forward

R

Bill No. 13
Plumbing and Drainage
**National Department of Public Works and Infrastructure
Gqeberha Regional Office - Facilities Management**

<p>Brought Forward</p> <p><u>Reducing fittings</u></p> <p>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained</p> <p><u>Exposed concrete surfaces</u></p> <p>Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gully tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster</p> <p><u>Excavations</u></p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</p> <p>"Soft rock" and "hard rock" shall be as defined in "Earthworks"</p> <p><u>Laying, backfilling, bedding, etc. of pipes</u></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</p> <p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding</p>		<p>R</p>
<p>Carried Forward</p> <p>Bill No. 13 Plumbing and Drainage National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management</p>		<p>R</p>

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Brought Forward				R
<u>Flush pans</u>				
Flush pans shall have straight or side outlets and "P" or "S" traps as necessary				
<u>Stainless steelbasins, sinks, wash troughs, urinals, etc.</u>				
Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable				
<u>Waste unions</u>				
Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings				
<u>CLEANING OF EXISTING CONSERVANCY , SEPTIC TANKS AND MANHOLES</u>				
1	Conservancy / Septic tank contents including all solids removed by means of a vacuum pump, transported and dumped at an approved dumping facility.	Kl	6,500	
2	Full or overflowing sewer manhole.	No	20	
<u>HIGH PRESSURE CLEANING OF EXISTING LINES</u>				
3	Sewer pipes 110mm to 160mm diameter.	m	100	
4	Storm water pipes 110mm to 300mm diameter.	m	100	
5	Stormwater pipes 300mm to 600mm diameter.	m	100	
6	Fullbore outlet and down pipe.	No	50	
<u>UNBLOCKING OF EXISTING SEWER LINES</u>				
7	Sewer pipes 110mm diameter.	No	50	
8	Sewer pipes 160mm diameter.	No	50	
Carried Forward				R
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Brought Forward			R
<u>CLEANING OF EXISTING BLOCKED FITTINGS PIPES AND CHAMBERS</u>			
9	Toilet pan.	No	20
10	Gully.	No	20
11	Grease trap.	No	10
12	Shower trap, basin trap, sink trap, urinal trap or bath trap	No	50
13	600 x 600mm Storm water catch pits..	No	10
14	Storm water channels and v-drains.	m	50
15	Water tank up to 5000 litres	No	10
16	Pump water from lift shaft	KI	50
<u>RAINWATER DISPOSAL</u>			
<u>Fibre-cement gutters and rainwater pipes</u>			
17	80mm Half-round roof gutters	m	50
18	150 x 150 x 150mm VHV roof gutters	m	50
19	80mm Diameter rainwater pipes	m	30
20	Extra over gutter for stopped end	No	20
21	Extra over gutter for angle	No	20
22	Extra over gutter for outlet for 80mm pipe	No	20
23	Extra over rainwater pipe for shoe	No	20
24	Extra over rainwater pipe for eaves or plinth offset	No	20
Carried Forward			R
Bill No. 13 Plumbing and Drainage National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward				R
<u>PVC-U gutters and rainwater pipes</u>				
25	100mm Half-round roof gutters	m	50	
26	80mm Diameter rainwater pipes	m	50	
27	Extra over gutter for stopped end	No	20	
28	Extra over gutter for angle	No	20	
29	Extra over gutter for outlet for 80mm pipe	No	20	
30	Extra over rainwater pipe for shoe	No	20	
31	Extra over rainwater pipe for eaves or plinth offset	No	20	
<u>Ogee aluminium pre painted gutters and rainwater pipes</u>				
32	100 x 75mm Roof gutters	m	50	
33	150 x 100mm Roof gutters	m	50	
34	50 x 75mm Diameter rainwater pipes	m	50	
35	75 x 100mm Diameter rainwater pipes	m	20	
36	Extra over gutter for stopped end	No	20	
37	Extra over gutter for angle	No	20	
38	Extra over gutter for outlet for 50 x 75mm pipe	No	20	
39	Extra over gutter for outlet for 75 x 100mm pipe	No	20	
40	Extra over rainwater pipe for shoe	No	20	
41	Extra over rainwater pipe for eaves or plinth offset	No	20	
<u>STORMWATER DRAINAGE</u>				
Carried Forward				R
Bill No. 13 Plumbing and Drainage National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management				

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Brought Forward			R
<u>Class 100D concrete pipes with interlocking joints</u>			
42	450mm Pipes laid in and including trenches not exceeding 1m deep	m	30
43	450mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep	m	30
44	600 x 600mm Brick catchpit 500mm deep internally	No	2
45	600 x 600mm Brick catchpit not exceeding 1000mm deep internally	No	2
<u>Cast iron gratings, covers, etc</u>			
46	100mm Cleaning eye cover	No	10
47	150mm Cleaning eye cover.	No	10
48	600 x 600mm Stormwater grating and frame	No	5
49	450 x 600mm Single seal manhole cover and frame	No	5
50	600 x 600mm Double seal manhole cover and frame	No	5
51	600mm Diameter heavy duty road manhole cover and frame	No	5
52	Lifting-key for manhole cover (handed to employer)	No	2
<u>SOIL DRAINAGE</u>			
<u>Heavy duty (Class 34) PVC-U sewer and drain pipes</u>			
53	110mm Pipes vertically or ramped to cleaning eyes etc (no excavation)	m	50
54	110mm Pipes laid in and including trenches not exceeding 1m deep	m	50
55	160mm Pipes laid in and including trenches not exceeding 1m deep	m	50
Carried Forward			R

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Brought Forward			R
56	110mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep	m	50
57	160mm Pipes laid in and including trenches exceeding 1m and not exceeding 2m deep	m	50
<u>Extra over uPVC pipes for fittings</u>			
58	110mm Bend	No	20
59	110mm Junction	No	20
60	160mm Bend	No	20
61	160mm Junction	No	20
<u>uPVC gulleys</u>			
62	160mm Dished gulley not exceeding 500mm deep	No	10
63	Testing drainage pipe system		Item
<u>SANITARY FITTINGS</u>			
<u>Stainless Steel</u>			
64	1350mm Sink with end bowl on galvanised steel brackets	No	2
65	1800mm Sink with two centre bowls on cupboard (cupboard elsewhere)	No	2
66	Single bowl wash trough on galvanised steel brackets	No	2
67	1200mm Long curved back urinal with 6 litre automatic high level cistern, flush and sparge pipes and hinged domical grating	No	2
Carried Forward			R
Bill No. 13 Plumbing and Drainage National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward			R
68	OVE Model, OSPA1 or similar and approved vandal proof WC pan manufactured from 1,2mm grade 304 18/10 stainless steel, fully welded and polished to a no. 4 satin finish, size 500 x 378mm x 435mm high with circular flushing rim and bowl, full flow integrated stainless steel 110mm "P" trap and back entry flush pipe inlet of 38mm, fixed to wall and floor with eleven anchor bolts and with inlet and flush pipes extended to 400mm long for through-wall installation as per 5 Star Specification complete (see drawing no POL 2006/S1)	No	2
69	OVE Model OSB1A/125 or similar and approved vandal proof hand wash basin (drinking fountain) manufactured from 102mm Grade 304 AISI (18/10) stainless steel, fully welded and polished to a no. 4 satin finish, size 340 x 350 x 125mm including a fitted 15mm push-button tap mounted at top with 38mm CP brass waste outlet, built flush into brick wall and secured with steel lugs as per 5 Star Specification complete (see drawing no POL 2006)	No	2
<u>"Vaal"</u>			
70	550 x 450mm White vitreous china wash hand basin including brackets and bolts.	No	2
71	Low level WC suite comprising white vitreous china pan with "DPE A1 De Lux" solid hard double flap plastic toilet seat and 9 litre cistern complete	No	2
72	"DPE A1 De Lux" solid hard double flap plastic toilet seat complete	No	10
73	9 Litre white vitreous china cistern complete fixed to wall including bolts.	No	4
74	Replace existing wc cistern inner flushing mechanism complete	No	20
<u>WASTE UNIONS, ETC</u>			
75	32mm 303 CP waste union with 309 plug and spindle	No	10
76	40mm 316 CP waste union	No	10
Carried Forward			R
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Brought Forward				R
<u>TRAPS, ETC</u>				
77	50mm uPVC one way vent valve	No	10	
78	38mm Reseal "P" or "S" trap	No	10	
79	75mm Chromium plated hinged urinal domical grating	No	10	
80	50mm Brass shower trap with chromium plated waste and grating	No	10	
81	32mm 345 CP bottle trap	No	10	
82	40mm Chromium plated bottle trap	No	5	
<u>TAPS, VALVES, ETC</u>				
83	15mm Stainless steel sluice/gate valve with teflon seat	No	10	
84	22mm Stainless steel sluice/gate valve with teflon seat	No	10	
85	28mm Stainless steel sluice/gate valve with teflon seat	No	20	
86	20mm Brass hose bib-tap	No	10	
87	20mm Brass non-return valve	No	10	
88	15mm Chromium plated angle regulating valve and flexible connection pipe	No	10	
89	15mm Chromium plated fullway isolating ball valve	No	10	
90	15mm Chromium plated undertile stopcock	No	10	
91	15mm Chromium plated bib-tap	No	10	
92	15mm Chromium plated pillar tap	No	10	
93	15mm Chromium plated elbow action pillar tap	No	10	
94	15mm Chromium plated basin mixer with angle flow regulating valves	No	5	
Carried Forward				R
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Brought Forward				R
95	15mm Chromium plated sink mixer	No	5	
96	20mm Chromium plated bath mixer	No	5	
97	15mm Chromium plated shower mixer with riser pipe, arm and shower head	No	5	
98	15mm Chromium plated shower head	No	10	
99	15mm Chromium plated overhead shower arm	No	10	
100	15mm Chromium plated overhead shower arm with ball joint	No	10	
101	Pressure control valve with vacuum breaker	No	10	
102	20mm Chromium plated flush pipe at urinals	No	5	
103	Chromium plated exposed type toilet flush valve for back entry installation, including flush pipe	No	5	
104	Cobra Watertech 20mm institutional version concealed WC Junior flushmaster flushwave with copper back entry flushpipe, "Thru-the-wall" vandal resistant guide tube pushbutton assembly with pushrod, rubber pan connector, integral vacuum breaker and "Ball-O-Stop" control inlet	No	5	
105	Chromium plated exposed type urinal flush valve including flush pipe	No	5	
106	Concealed type urinal flush valve with chromium plated palm press push button and push rod, including flush pipe	No	5	
107	32mm Non-return valve	No	10	
108	50mm Non-return valve	No	5	
109	25mm Metric Reading water meter	No	5	
110	15mm 108 RB bibcock with hose union	No	10	
Carried Forward				R
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Brought Forward				R
<u>SANITARY PLUMBING</u>				
<u>uPVC pipes</u>				
111	50mm Pipes	m	100	
112	110mm Pipes	m	100	
<u>Extra over uPVC pipes for uPVC fittings</u>				
113	50mm Adaptor	No	20	
114	50mm Bend	No	20	
115	50mm Access bend	No	20	
116	50mm Access junction	No	20	
117	50mm "GI two-way" vent valve	No	20	
118	110mm Bend	No	20	
119	110mm Access bend	No	20	
120	110mm Access junction	No	20	
121	110mm Pan connector	No	20	
122	110mm "GI two-way" vent valve	No	20	
<u>Sundries</u>				
123	Testing waste pipe system		Item	
<u>INTERNAL WATER SUPPLY</u>				
<u>Galvanised medium steel pipes with screwed and socketed joints</u>				
124	15mm Pipe	m	10	
125	20mm Pipe	m	10	
Carried Forward				R
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Brought Forward				R
126	25mm Pipe	m	10	
127	32mm Pipe	m	10	
128	40mm Pipe	m	10	
129	50mm Pipe	m	10	
130	65mm Pipe	m	10	
131	80mm Pipe	m	10	
132	100mm Pipe	m	10	
133	150mm Pipe	m	10	
<u>Extra over galvanised medium steel pipes with screwed and socketed joints for steel fittings</u>				
134	15mm Fittings	No	30	
135	20mm Fittings	No	30	
136	25mm Fittings	No	30	
137	32mm Plug	No	5	
138	40mm Plug	No	5	
139	50mm Plug	No	5	
140	65mm Plug	No	5	
141	80mm Plug	No	5	
142	100mm Plug	No	5	
143	150mm Plug	No	5	
144	32mm Bush	No	5	
145	40mm Bush	No	5	
Carried Forward				R
Bill No. 13 Plumbing and Drainage National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management				

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		Brought Forward		R
146	50mm Bush	No	5	
147	65mm Bush	No	5	
148	80mm Bush	No	5	
149	100mm Bush	No	5	
150	150mm Bush	No	5	
151	32mm Elbow	No	5	
152	40mm Elbow	No	5	
153	50mm Elbow	No	5	
154	65mm Elbow	No	5	
155	80mm Elbow	No	5	
156	100mm Elbow	No	5	
157	150mm Elbow	No	5	
158	32mm Bend	No	5	
159	40mm Bend	No	5	
160	50mm Bend	No	5	
161	65mm Bend	No	5	
162	80mm Bend	No	5	
163	100mm Bend	No	5	
164	150mm Bend	No	5	
165	32mm Tee	No	5	
166	40mm Tee	No	5	
167	50mm Tee	No	5	
		Carried Forward		R
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Brought Forward				R
168	65mm Tee	No	5	
169	80mm Tee	No	5	
170	100mm Tee	No	5	
171	150mm Tee	No	5	
172	32 x 25mm Reducing tee	No	5	
173	40 x 32mm Reducing tee	No	5	
174	50 x 40mm Reducing tee	No	5	
175	65 x 50mm Reducing tee	No	5	
176	80 x 50mm Reducing tee	No	5	
177	100 x 65mm Reducing tee	No	5	
178	150 x 80mm Reducing tee	No	5	
<u>Class 2 copper pipes</u>				
179	15mm Pipes	m	100	
180	22mm Pipes	m	100	
181	28mm Pipes	m	50	
<u>Extra over class 2 copper pipes for "Conex" compression fittings</u>				
182	15mm Bush, elbow, bend, tee, reducing tee, saddles, etc.	No	50	
183	22mm Bush, elbow, bend, tee, reducing tee, saddles, etc.	No	50	
184	28mm Bush, elbow, bend, tee, reducing tee, saddles, etc.	No	50	
Carried Forward				R
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Brought Forward			R
<u>Sundries</u>			
185	Testing internal water reticulation	Item	
<u>WATER SUPPLIES</u>			
186	Excavation in earth not exceeding 1m deep for pipe trenches	m3	50
187	Excavation in earth exceeding 1m and not exceeding 2m deep for pipe trenches	m3	70
188	Backfilling to pipe trenches	m3	50
189	Selected granular filling in bedding under and filling around pipes	m3	30
190	19mm Crushed stone bedding under pipes	m3	20
191	Unreinforced concrete bedding under pipes	m3	10
<u>Class 16 PVC-U pressure pipes with solvent welded joints</u>			
192	32mm Pipes laid in and including trenches not exceeding 1m deep	m	50
193	50mm Pipes laid in and including trenches not exceeding 1m deep	m	50
<u>Extra over Class 16 PVC-U pressure pipes for fittings with solvent welded joints</u>			
194	32mm Bend	No	20
195	50mm Bend	No	20
196	32mm Tee	No	20
197	50mm Tee	No	20
198	32mm Reducing tee	No	20
199	50mm Reducing tee	No	20
Carried Forward			R
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Brought Forward			R
<u>Class 16 PVC-U pressure pipes with rubber ring joints</u>			
200	75mm Pipes laid in and including trenches not exceeding 1m deep	m	50
201	110mm Pipes laid in and including trenches not exceeding 1m deep	m	50
202	160mm Pipes laid in and including trenches not exceeding 1m deep	m	50
<u>Extra over class 16 PVC-U pressure pipes for uPVC pressure fittings with rubber rings</u>			
203	75mm Bend	No	5
204	110mm Bend	No	5
205	160mm Bend	No	5
206	75mm Tee	No	5
207	110mm Tee	No	5
208	160mm Tee	No	5
209	75mm BSP adaptor	No	5
210	110mm BSP adaptor	No	5
211	160mm BSP adaptor	No	5
<u>Class 10 HDPE type IV pipes</u>			
212	25mm Pipes laid in and including trenches not exceeding 1m deep	m	50
213	32mm Pipes laid in and including trenches not exceeding 1m deep	m	100
214	50mm Pipes laid in and including trenches not exceeding 1m deep	m	100
Carried Forward			R
Bill No. 13 Plumbing and Drainage National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward			R
215	80mm Pipes laid in and including trenches not exceeding 1m deep	m	100
<u>Extra over Class 10 HDPE type IV pipes for "Plasson Compression" fittings</u>			
216	25mm Fittings	No	50
217	32 x 25mm Reducer	No	10
218	50 x 32mm Reducer	No	10
219	80 x 50mm Reducer	No	5
220	32mm Bend	No	10
221	50mm Bend	No	10
222	80mm Bend	No	5
223	32mm Tee	No	10
224	50mm Tee	No	10
225	80mm Tee	No	5
226	32mm Reducing Tee	No	10
227	50mm Reducing Tee	No	10
228	80mm Reducing Tee	No	5
229	32mm Threaded adaptor	No	10
230	50mm Threaded adaptor	No	10
231	80mm Threaded adaptor	No	5
<u>Sundries</u>			
232	Unreinforced concrete in thrust blocks in trenches at bends, tees, etc including extra excavation, formwork, etc	m3	5
Carried Forward			R
<p>Bill No. 13 Plumbing and Drainage National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management</p>			

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Brought Forward			R
233	Cast iron stopcock box including brick chamber below 500mm deep internally	No	5
234	Cast iron meter or valve box including brick chamber below 500mm deep internally	No	5
235	600 x 600mm Cast iron heavy duty single seal cover and frame	No	2
<u>Disinfecting</u>			
236	Disinfecting water pipe and tank system		Item
<u>WATER SUPPLIES TO FIRE APPLIANCES</u>			
<u>Class 16 uPVC pressure pipes</u>			
237	75mm Pipes laid in and including trenches	m	50
238	110mm Pipes laid in and including trenches	m	100
<u>Extra over uPVC pipes for uPVC solvent welded pressure fittings</u>			
239	75mm End cap	No	5
240	75mm Elbow	No	5
241	110mm End cap	No	5
242	110mm Reducer	No	5
243	110mm Elbow	No	5
244	110mm Tee	No	5
245	110mm Reducing tee	No	5
<u>Sundries</u>			
246	Unreinforced concrete in thrust blocks at bends, tees, etc including necessary extra excavation, formwork, etc	m3	5
Carried Forward			R
Bill No. 13 Plumbing and Drainage National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward			R
247	450 x 450mm Cast iron stopcock box including brick chamber below not exceeding 750mm deep internally	No	2
248	600 x 450mm Cast iron meter box including brick chamber below not exceeding 750mm deep internally	No	2
249	Testing fire water pipe system		Item
<u>FIRE APPLIANCES, ETC</u>			
<u>"Chubb"</u>			
250	"Everyway" hose reel complete with 30m plastic hose, chromium plated stopcock, shut-off nozzle and wall bracket	No	5
251	4,5 kg DCP fire extinguisher including backboard, plugged and screwed	No	5
252	9 kg DCP fire extinguisher including backboard, plugged and screwed	No	5
253	100mm Diameter 2500 kPa pressure gauge syphon and stopcock including tapped hole in steel pipe	No	5
254	80 x 65mm Brass hydrant booster connection with cap and chain	No	5
255	80 x 65mm Brass right angle hydrant valve with cap and chain	No	5
Carried to Summary			R
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Item No	Quantity	Rate	Amount			
<p><u>BILL No. 14</u></p> <p><u>ELECTRICAL WORK</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill</p> <p>All equipment, electrical materials or methods of installation shall comply fully with SABS 0142-1 as published December 2001</p> <p>The descriptions of items in this section is abbreviated descriptions of the work to be done and of the materials to be used, the tenderer are therefore referred to the full specifications for the full descriptions and complete specifications</p> <p><u>Proprietary items or materials</u></p> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works</p> <p><u>ELECTRICAL INSTALLATION</u></p> <p><u>Schedule of information</u></p> <p>Tenderers are advised that information schedules are included with the project specifications. These schedules must be completed and submitted with the Tenders.</p> <p><u>Labelling & Colour Coding</u></p> <p>The cost of labelling and colour coding must be included within the prices of the respective equipment.</p> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 14 Electrical Work National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management</p>						R

Brought Forward	R
<p><u>Fixing of conduits</u></p> <p>The fixing of conduits shall be as follows</p> <ul style="list-style-type: none"> a) Build in conduits in wall chases with cement mortar and clamps b) Fix conduits on wall surfaces and in roof spaces with approved saddles c) Cast conduit in concrete surface beds or slabs d) Do surface fixing level, plumb, neatly and in straight line by means of standard spacer saddles <p><u>Chasing</u></p> <p>All chasing shall be carried out neatly. Do not chase walls constructed of hollow blocks, locate services in the block cavities. Chase solid walls not deeper than one third of the wall thickness vertically and not more than one sixth horizontally. Avoid horizontal chasing where possible. Ensure that chases, holes and recesses are so made as not to impair the strength or stability of the wall, or reduce the fire resistance properties of the wall. Fill chases with mortar once the conduits are in position</p> <p>Chasing and making good have not been measured separately and shall be deemed to be included in the descriptions of conduiting</p> <p><u>Laying of electric cables</u></p> <p>Excavate 600mm below finished ground level</p> <p>Encase the installed cable in river sand or sifted sand</p> <p>Mark the cable route with approved concrete cable markers</p> <p><u>SLEEVES</u></p>	<p>R</p>
Carried Forward	R
<p>Bill No. 14 Electrical Work National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management</p>	

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Brought Forward			R
<u>Unplasticised polyvinyl chloride (UPVC) sleeve piping including short lengths and jointing, laid in trench (trench and backfilling measured elsewhere)</u>			
1	75mm Diameter pipes	m	50
<u>Distribution boards complete with sheetmetal trays, frames, subframes, busbars, provision for future circuit breakers, labeling and legend cards</u>			
2	18 Way lockable distribution board	No	5
3	10-20A Single pole mccb's	No	20
4	20-30A Single pole mccb's	No	20
5	63A Double pole earth leakage units	No	10
6	Class II triple pole surge arrestors	No	5
<u>LIGHTING AND SMALL POWER</u>			
<u>Rigid PVC conduits</u>			
7	25mm Diameter	m	100
<u>CONDUIT BOXES AND FITTINGS</u>			
8	Deep round conduit box for 25mm diameter conduits	No	50
9	100 x 50 x 50mm Deep box	No	30
10	100 x 100 x 50mm Deep box	No	30
11	Blank cover plate for oversized round conduit box	No	30
<u>uPVC trunking with cover fixed to brickwork</u>			
12	50x50mm "EGA-DUCT" trunking	m	100
<u>CONDUCTORS</u>			
Carried Forward			R

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Electrical Work
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Brought Forward				R
<u>PVC insulated stranded copper conductors drawn into wireways</u>				
13	1,5mm ²	m	250	
14	2,5mm ²	m	250	
15	4mm ²	m	250	
<u>LIGHT SWITCHES, SWITCHED SOCKET OUTLETS, ETC.</u>				
<u>Switches, etc complete with cover plates fixed in flush boxes</u>				
16	16A One-lever one-way switch	No	30	
17	16A Three-pin switched socket outlet with two-pin switched socket	No	30	
<u>LUMINAIRES AND EQUIPMENT</u>				
<u>Luminaires or equipment complete with lamps, connections, etc mounted in position</u>				
18	Industrial tamper proof LED luminair by Lascon TP-48W-LED product code J23763	No	20	
<u>TESTING AND COMMISSIONING</u>				
19	Allow for testing, balancing and commissioning the complete electrical installation		Item	
Carried to Summary				R
Bill No. 14 Electrical Work National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management				

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Item No	Unit	Quantity	Rate	Amount
<u>BILL No. 15</u>				
<u>GLAZING</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill				
Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill				
<u>Float glass</u>				
The term "float glass" is used for monolithic annealed glass				
<u>Laminated glass</u>				
Laminated glass to have polyvinyl butyral (PVB) interlayer(s)				
<u>GLAZING TO STEEL WITH PUTTY</u>				
<u>4mm Clear float glass</u>				
1		Panes not exceeding 0,1m ²	m2	10
2		Panes exceeding 0,1m ² and not exceeding 0,5m ²	m2	20
3		Panes exceeding 0,5m ² and not exceeding 2m ²	m2	10
<u>4mm Obscure glass</u>				
4		Panes exceeding 0,1m ² and not exceeding 0,5m ²	m2	10
<u>6mm Normal strength (NS) clear laminated safety glass</u>				
5		Panes exceeding 0,1m ² and not exceeding 0,5m ²	m2	5
Carried Forward			R	
Bill No. 15 Glazing National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management				

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Brought Forward			R
6	Panes exceeding 0,5m ² and not exceeding 2m ²	m2	10
<u>GLAZING TO ALUMINIUM WITH CLIP-ON BEADS (BEADS ELSEWHERE)</u>			
<u>4mm Clear float glass</u>			
7	Panes not exceeding 0,1m ²	m2	10
8	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m2	20
9	Panes exceeding 0,5m ² and not exceeding 2m ²	m2	10
<u>4mm Obscure glass</u>			
10	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m2	10
<u>6mm Normal strength (NS) clear laminated safety glass</u>			
11	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m2	5
12	Panes exceeding 0,5m ² and not exceeding 2m ²	m2	10
<u>GLAZING TO WOOD WITH PUTTY</u>			
<u>4mm Clear float glass</u>			
13	Panes not exceeding 0,1m ²	m2	10
14	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m2	20
15	Panes exceeding 0,5m ² and not exceeding 2m ²	m2	10
<u>4mm Obscure glass</u>			
16	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m2	5
<u>GLAZING TO WOOD WITH PINNED-ON BEADS (BEADS ELSEWHERE)</u>			
Carried Forward			R

Bill No. 15
Glazing
National Department of Public Works and Infrastructure
Gqeberha Regional Office - Facilities Management

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Brought Forward			R
<u>4mm Clear float glass</u>			
17	Panes not exceeding 0,1m ²	m2	10
18	Panes exceeding 0,1m ² and not exceeding 0,5m ²	m2	20
19	Panes exceeding 0,5m ² and not exceeding 2m ²	m2	10
<u>GLASS LOUVRE BLADES</u>			
<u>4mm Clear float glass louvre blades with polished edges</u>			
20	Louvre blades 90mm wide x 800mm long	No	30
<u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u>			
<u>5mm Silvered float glass copper backed mirrors with polished edges, fixed with double sided adhesive tape and silicone</u>			
21	Mirror 450 x 600mm high	No	10
Carried to Summary			R
Bill No. 15 Glazing National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

**Gqeberha(Port Elizabeth) Area: Maintenance of General
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Tender No.: PET02/2023**

Item No	Quantity	Rate	Amount
<p><u>BILL No. 16</u></p> <p><u>PAINTWORK</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill</p> <p>Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill</p> <p><u>PREPARATORY WORK TO EXISTING WORK</u></p> <p><u>Previously painted plastered surfaces</u></p> <p>Surfaces shall be thoroughly washed down with a sugar soap solution and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth</p> <p><u>Previously painted metal surfaces</u></p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p><u>Previously painted wood surfaces</u></p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><u>COLOURS</u></p>			
Carried Forward		R	
<p>Bill No. 16 Paintwork National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management</p>			

Brought Forward		R
<p><u>User note</u></p> <p><i>In the event of the colour scheme for the project not being available when required for the preparation of quantities, it is recommended that either all paintwork be described as being in the "White" colour group or that ceilings be described as being in the "White" colour group and the balance being in the "Pastel" colour group and that provision be made for other colour groups by way of "extra over" items marked "Provisional" as provided for in the measuring system (See measurement rule No. 5 under item 2: Colours). The following items are examples of such "extra over" items:</i></p> <p><i>"Extra over for paintwork on components (ceilings?) in the "White" colour group for paintwork in the "Pastel" colour group (Provisional)</i> <i>m²"</i></p> <p><i>"Extra over for paintwork on components in the "Pastel" colour group for paintwork in the "Deep" colour group (Provisional)</i> <i>m²"</i></p> <p>Unless otherwise described paintwork on ceilings shall be deemed to be in the "White" colour group and paintwork on all other components shall be deemed to be in the "Pastel" colour group in accordance with the Natural Colour System (NCS) adopted by the SA National Standards</p> <p><u>Proprietary items or materials</u></p> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works</p> <p><u>SABS Specifications</u></p> <p>Matt or eggshell decorative paint for interior works : SABS 515</p> <p>High gloss enamel paint : SABS 630 Grade I</p> <p>Oil gloss enamel paint : SABS 631</p>		
Carried Forward		R
<p>Bill No. 16 Paintwork National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management</p>		

**Gqeberha(Port Elizabeth) Area: Maintenance of General
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Brought Forward			R
	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		
	Structural steel paint : SABS 684 Type B		
	Wash primer (metal etch) : SABS 723		
	Varnish for interior use : SABS 887 Type I		
	Emulsion paints : SABS 1586		
	<u>PAINTWORK, ETC TO NEW WORK</u>		
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>		
	<u>Prepare stop and apply, one undercoat and two coats "Velvaqlo" interior quality polyurethane paint:</u>		
1	On walls.	m2	100
2	Ceilings and beams ("White" colour group)	m2	100
	<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>		
	<u>Prepare and apply one coat bonding liquid and two coats "Wall & All" exterior quality emulsion paint:</u>		
3	On walls.	m2	100
4	Ceilings and beams ("White" colour group)	m2	100
	<u>ON BAGGED BRICKWORK OR CONCRETE SURFACES</u>		
	Carried Forward		R
	Bill No. 16 Paintwork National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management		

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Brought Forward			R
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>			
5	Walls	m2	100
6	Ceilings and beams ("White" colour group)	m2	100
<u>ON PLASTERBOARD SURFACES</u>			
<u>One coat "Plascon Professional Plaster Primer (PP700)" and two coats "Plascon Super Acrylic Matt (PEM900)" paint</u>			
7	Partitions	m2	100
8	Ceilings and cornices ("White" colour group)	m2	100
<u>ON FIBRE-CEMENT BOARD SURFACES</u>			
<u>One coat "Plascon Professional Plaster Primer (PP700)" and two coats "Plascon Super Acrylic Matt (PEM900)" paint</u>			
9	Ceilings and cornices, including priming metal cover strips and nailheads ("White" colour group)	m2	100
10	Fascias and barge boards, including priming metal jointing strips	m2	100
<u>ON METAL SURFACES</u>			
<u>One coat galvanised iron cleaner (GIC1), one coat professional galvanised iron primer (PP1000) and two coats "Plascon Velvaglo Polyurethane Velvet Enamel VLO" on :-</u>			
11	Doors	m2	100
12	Door frames	m2	50
13	Windows	m2	100
14	Windows with burglar bars	m2	100
Carried Forward			R
Bill No. 16 Paintwork National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

**Gqeberha(Port Elizabeth) Area: Maintenance of General
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Brought Forward				R
15	Columns and beams	m2	50	
16	Gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	100	
17	Rails, bars, pipes, etc not exceeding 300mm girth	m	50	
18	Eaves gutters not exceeding 300mm girth	m	100	
19	Rainwater downpipes not exceeding 300mm girth	m	100	
<u>ON WOOD SURFACES</u>				
<u>One coat "Spick & Span Oil Based Wood Primer (UC2)" under coat and two coats "Plascon Velvaglo Polyurethane Velvet Enamel (VLO)" paint</u>				
20	On doors	m2	100	
21	Windows, sash doors and fanlights	m2	100	
22	Door frames etc	m2	50	
23	Roof timbers at eaves and verges	m2	100	
24	Skirtings, rails, etc not exceeding 300mm girth	m	100	
<u>PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK</u>				
<u>ON INTERNAL FLOATED PLASTER SURFACES</u>				
<u>Prepare stop and apply, one undercoat and two coats "Velvaglo" interior quality polyurethane paint:</u>				
25	On walls.	m2	100	
26	Ceilings and beams ("White" colour group)	m2	100	
<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>				
Carried Forward				R

Bill No. 16
Paintwork
National Department of Public Works and Infrastructure
Gqeberha Regional Office - Facilities Management

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Brought Forward			R
<u>Prepare and apply one coat bonding liquid and two coats "Wall & All" exterior quality emulsion paint:</u>			
27	On walls.	m2	100
28	Ceilings and beams ("White" colour group)	m2	100
<u>ON BAGGED BRICKWORK OR CONCRETE SURFACES</u>			
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>			
29	Walls	m2	100
30	Ceilings and beams ("White" colour group)	m2	100
<u>ON PLASTERBOARD SURFACES</u>			
<u>One coat "Plascon Professional Plaster Primer (PP700)" and two coats "Plascon Super Acrylic Matt (PEM900)" paint</u>			
31	Partitions	m2	100
32	Ceilings and cornices ("White" colour group)	m2	100
<u>ON FIBRE-CEMENT BOARD SURFACES</u>			
<u>One coat "Plascon Professional Plaster Primer (PP700)" and two coats "Plascon Super Acrylic Matt (PEM900)" paint</u>			
33	Ceilings and cornices, including priming metal cover strips and nailheads ("White" colour group)	m2	100
34	Fascias and barge boards, including priming metal jointing strips	m2	100
<u>ON METAL SURFACES</u>			
Carried Forward			R
Bill No. 16 Paintwork National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward			R
<u>One coat galvanised iron cleaner (GIC1), one coat professional galvanised iron primer (PP1000) and two coats "Plascon Velvaglo Polyurethane Velvet Enamel VLO" on :-</u>			
35	Doors	m2	100
36	Door frames	m2	50
37	Windows	m2	100
38	Windows with burglar bars	m2	100
39	Columns and beams	m2	100
40	Gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	100
41	Rails, bars, pipes, etc not exceeding 300mm girth	m	100
42	Eaves gutters not exceeding 300mm girth	m	100
43	Rainwater downpipes not exceeding 300mm girth	m	100
<u>ON WOOD SURFACES</u>			
<u>One coat "Spick & Span Oil Based Wood Primer (UC2)" under coat and two coats "Plascon Velvaglo Polyurethane Velvet Enamel (VLO)" paint</u>			
44	On doors	m2	100
45	Windows, sash doors and fanlights	m2	100
46	Door frames etc	m2	50
47	Roof timbers at eaves and verges	m2	100
48	Skirtings, rails, etc not exceeding 300mm girth	m	120
Carried to Summary			R
Bill No. 16 Paintwork National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

**Gqeberha(Port Elizabeth) Area: Maintenance of General
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Item No		Quantity	Rate	Amount
	<u>BILL 17</u>			
	<u>EXTERNAL WORK</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
	Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill			
	<u>ROAD WORKS (ROADS, PARKING, ASSEMBLY AREA AND WALKWAYS)</u>			
	<u>Bulk open face excavation in earth over sloping site</u>			
1	Open face excavation of road box not exceeding 500mm deep	m3	50	
	<u>Earth filling supplied by the Contractor compacted to 102% Mod AASHTO density stabilized with 2% cement</u>			
2	Crushed gravel C2 sub base (CBR > 45%) in 150mm layers finished to falls and cross falls, stabilized with 3% cement.	m3	50	
	<u>Earth filling supplied by the Contractor compacted to 98% Mod AASHTO density</u>			
3	Crushed gravel G4 sub base (CBR > 15%) in 150mm layer finished to falls and cross falls.	m3	50	
	Carried Forward		R	
	Bill No. 17 External Works National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward			R
<u>Compaction of surfaces</u>			
4	Compaction of ground surface under road base layers, etc. including scarifying for a depth of 150 mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m2	250
<u>Primer</u>			
5	MC30 primer over ground or filling at a spread rate of 0.7 litre per square metre	m2	250
<u>Prescribed density tests on filling</u>			
6	Maximum dry density and optimum moisture content test in accordance with method A7 of TMH 1	No	20
<u>25mm Thick continuous grade, 80/100 penetration bituminous premix road surfacing</u>			
7	Paving to parking areas, roadways, etc	m2	250
<u>25MPa/19mm Concrete</u>			
8	Stormwater V-drains in panels between construction joints etc	m3	10
<u>Finishing top surfaces of concrete with a coarse hard grass broom</u>			
9	V-drains, surface beds, etc to falls	m2	100
<u>Expansion joints with 10 softboard between vertical concrete surfaces</u>			
10	10mm Joints not exceeding 300mm high	m	50
<u>Saw cut joints</u>			
11	6 x 38mm Saw cut joints in top of concrete	m	50
Carried Forward			R

Bill No. 17
External Works
National Department of Public Works and Infrastructure
Gqeberha Regional Office - Facilities Management

**Gqeberha(Port Elizabeth) Area: Maintenance of General
Building Works in State Owned Building Complexes for
a Period of 24 Months
Tender No.: PET02/2023**

Brought Forward			R
<u>Vertical joggle construction joints through concrete including thick cement slurry to one face</u>			
12	Paving not exceeding 300mm thick	m	50
<u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>			
13	6 x 25mm In saw cut in floors	m	50
14	12 x 10mm In expansion joints in floors or walls including raking out expansion joint filler as necessary	m	100
<u>Precast concrete finished smooth on exposed surfaces including bedding, jointing and pointing</u>			
15	Kerb (SABS 927 fig.6) with 15 Mpa un reinforced continuous bedding and 150 x 150 x 300mm 15 Mpa un reinforced concrete haunching at the back of each joint	m	50
16	Kerb (SABS 927 fig. 6) circular on plan exceeding 2m radius with 15 Mpa un reinforced continuous bedding and 150 x 150 x 300mm 15 Mpa un reinforced concrete haunching at the back of each joint.	m	50
17	Kerb (SABS 927 fig. 6) circular on plan not exceeding 2m radius with 15 Mpa un reinforced continuous bedding and 150 x 150 x 300mm 15 Mpa un reinforced concrete haunching at the back of each joint.	m	50
18	Kerb (SABS 927 fig.8) with 15 Mpa un reinforced continuous bedding and 150 x 150 x 300mm 15 Mpa un reinforced concrete haunching at the back of each joint	m	50
19	Kerb (SABS 927 fig. 8) circular on plan exceeding 2m radius with 15 Mpa un reinforced continuous bedding and 150 x 150 x 300mm 15 Mpa un reinforced concrete haunching at the back of each joint.	m	50
<u>FENCING</u>			
Carried Forward			R
Bill No. 17 External Works National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

**Gqeberha(Port Elizabeth) Area: Maintenance of General
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Brought Forward			R
<u>Security fencing, gates, etc including two coats aluminium paint on metal stays, framing, etc</u>			
20	1.2m High galvanised diamond mesh fence with three 4mm straining wires	m	100
21	1.8m High galvanised diamond mesh fence with four 4mm straining wires	m	100
22	1.2m High plastic coated diamond mesh fence with three 4mm straining wires	m	100
23	1.8m High plastic coated diamond mesh fence with four 4mm straining wires	m	100
24	1.2m High galvanised weld mesh fence with 25 x 50mm openings and 3.15mm thick wire with and including three 4mm thick galvanised straining wires.	m	100
25	1.8m High galvanised weld mesh fence with 25 x 50mm openings and 3.15mm thick wire with and including four 4mm thick galvanised straining wires.	m	100
26	4mm Galvanised straining wire.	m	600
27	4mm Plastic coated straining wire.	m	400
28	50mm Diameter horizontal stay 1.8m long with each end bolted to posts	No	20
29	50mm Diameter inclined stay 1.80m long with one end bolted to post and other end with sole plate in and including concrete base	No	20
30	50mm Diameter inclined stay 2.4m long with one end bolted to post and other end with sole plate in and including concrete base	No	20
31	50mm Diameter intermediate post 1.8m high vertically with cap and other end with sole plate in and including concrete base	No	20
Carried Forward			R
Bill No. 17 External Works National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

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Brought Forward			R
32	50mm Diameter intermediate post 2.4m high vertically with cap and other end with sole plate in and including concrete base	No	20
33	100mm Diameter corner post 1.80m high vertical with cap and other end with sole plate in and including concrete base	No	20
34	100mm Diameter corner post 2.40m high vertical with cap and other end with sole plate in and including concrete base	No	20
35	Galvanised single gate 900 x 1200m high vertically covered with galvanised wire mesh fixed to framing and cross brace including sliding lock and padlock	No	5
36	Galvanised double gate 3000 x 1200m high vertically covered with galvanised wire mesh fixed to framing and cross brace including sliding lock and padlock	No	5
37	Galvanised single gate 900 x 1800m high vertically covered with galvanised wire mesh fixed to framing and cross brace including sliding lock and padlock	No	5
38	Galvanised double gate 3000 x 1800m high vertically covered with galvanised wire mesh fixed to framing and cross brace including sliding lock and padlock	No	5
<u>Galvanised steel security fencing</u>			
39	Continuous razor wire security roll to top of fence flat wrapped in 600mm diameter rings fixed together and to straining wire at 300mm centres	m	100
<u>Sundries</u>			
40	Take down and remove 600mm flat wrap razor wire.	m	100
41	Take down and remove 1.2m high fence from posts to remain.	m	100
42	Take down and remove 1.2m high fence including posts, etc.	m	50
Carried Forward			R
Bill No. 17 External Works National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

**Gqeberha(Port Elizabeth) Area: Maintenance of General
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Brought Forward			R
43	Take down and remove 1.8m high fence from posts to remain.	m	100
44	Take down and remove 1.8m high fence including posts, etc.	m	100
<u>Hisecure Clearvu Fencing</u>			
45	Remove damaged Clearvu fencing panel 3,0m wide x 2.40m high and install new panel.	No	20
<u>Precast concrete fencing</u>			
46	Precast concrete panel fencing 2m high above ground level with exposed faces of all components finished smooth and with one side of infill panels with "big brick" design comprising 150 x 150mm posts 2,5m long having tapered recesses on two sides and reinforced with 12mm diameter mild steel continuous bars, founded in and including 450 x 450 x 450mm unreinforced concrete bases as 1,59m centres and with precast concrete caps cemented on top of each post and with 38 x 1525 x 305mm infill panels reinforced with type 395 high tensile steel fabric reinforcement including grouting panels in cement mortar.	m	50
47	1525 x 305 x 38mm Thick reinforced concrete infill panels	No	50
48	1,80m Long 150 x 150mm reinforced concrete posts with two tapered recesses, including 450 x 450 x 450mm concrete base.	No	10
49	2,50m Long 150 x 150mm reinforced concrete posts with two tapered recesses, including 450 x 450 x 450mm concrete base.	No	10
<u>Sundries</u>			
50	Take down and remove 1.2m high pre-cast concrete panel fence.	m	100
51	Take down and remove 1.8m high pre-cast concrete panel fence.	m	100
Carried to Summary			R
Bill No. 17 External Works National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

**Gqeberha(Port Elizabeth) Area: Maintenance of General
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Item No		Quantity	Rate	Amount
	<u>BILL 18</u>			
	<u>PROVISIONAL SUMS / BUDGETARY ALLOWANCES</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	NOTE: Tenderers are advised to study the Model Preambles for Trades before pricing this bill			
	Tenderers are advised to study the Department of Public Works- Construction works: General Specification (PW371-A) and Construction works: Particular Specification (PW371-B) before pricing this bill			
	<u>Distances Travelled</u>			
	All distances travelled will be measured from the Main Post Office in Gqeberha to the site where the work needs to be executed and back to the Main Post Office in Gqeberha.			
	The claim must be accompanied by a Google Maps printout, and only the kilometres as per Google Maps are claimable.			
	Only the kilometres for the first trip to the site and back, will be remunerated, all other travelling will be deemed to be priced in the rates of the items priced in the bills of quantities.			
	No travelling time will be remunerated, travelling time costs must be included into the rates priced.			
	<u>BUDGETARY ALLOWANCES</u>			
	<u>Transport / Travelling Cost</u>			
1	Travelling cost per kilometer	Km	80,000	
	Carried to Summary		R	
	Bill No. 18 Provisional Sums National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management			

**Gqeberha(Port Elizabeth) Area: Maintenance of General
Building Works in State Owned Building Complexes for
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Tender No.: PET02/2023**

Bill No	FINAL SUMMARY	Page No	Amount
1	Preliminaries	3	
2	Alterations	9	
3	Earthworks	12	
4	Concrete, formwork and reinforcement	15	
5	Masonry	19	
6	Waterproofing	21	
7	Roof Coverings, Etc	26	
8	Carpentry & Joinery	31	
9	Ceilings, Partitions And Access Flooring	34	
10	Floor Coverings, Wall Linings, Etc	36	
11	Plastering	37	
12	Tiling	39	
13	Plumbing and Drainage	60	
14	Electrical Work	64	
15	Glazing	67	
16	Paintwork	74	
17	External Works	80	
18	Provisional Sums	81	
	Sub Total		R
	Value Added Tax (15%)		R
	Carried to Form of Tender		R
	National Department of Public Works and Infrastructure Gqeberha Regional Office - Facilities Management		

PG-01.2 (EC) SCOPE OF WORKS – JBCC 2000 PRINCIPAL BUILDING AGREEMENT (Edition 4.1 of March 2005)

Project title:	GQEBERHA (PORT ELIZABETH) AREA: MAINTENANCE OF GENERAL BUILDING WORKS IN STATE OWNED BUILDING COMPLEXES FOR A PERIOD OF 24 MONTHS		
Tender no:	<i>PET02/2023</i>	Reference no:	

C3. Scope of Works

1. GENERAL

(a) EXTENT OF THE WORKS

Day to day maintenance to the existing structures including but not limited to Alterations, earthworks ,concrete , masonry, waterproofing , plumbing and drainage, plastering , painting, etc.

(b) ORDER OF THE WORKS

Commencement of the works after handover, the bidder must note that it is compulsory that complaints are attended within 24 hrs. After receiving communication from the Department

(c) BUILDINGS OCCUPIED

YES

(d) ACCESS

(e) LABOUR-INTENSIVE WORKS

Employer's objectives:

The employer's objectives are to deliver public infrastructure using labour-intensive methods in accordance with EPWP Guidelines.

Labour-intensive works:

Labour-intensive works shall be constructed/maintained using local workers who are temporarily employed in terms of the scope of work.

Labour-intensive competencies of supervisory and management staff:

Contractors shall only engage supervisory and management staff in labour-intensive works that have completed the skills programme including Foremen/ Supervisors at NQF level 4 "National Certificate: Supervision of Civil Engineering Construction Processes" and Site Agent/ Manager at NQF level 5 "Manage Labour-Intensive Construction Processes" or equivalent QCTO qualifications (See Appendix C) at NQF outlined in Table 1

(f) GENERIC LABOUR-INTENSIVE SPECIFICATION

Contractors are referred to the Guidelines for the Implementation of Labour-intensive Infrastructure Projects under the Expanded Public Works Programme (EPWP) for the generic labour-intensive specification applicable to the contract.

This specification establishes general requirements for activities which are to be executed by hand involving the following:

- trenches having a depth of less than 1.5 metres
- stormwater drainage
- roads
- sidewalks and non-motorised transport infrastructure
- water and sanitation

Precedence

Where this specification is in conflict with any other standard or specification referred to in the Scope of Works to this Contract, the requirements of this specification shall prevail

Hand excavateable material

Hand excavateable material is:

a) Granular materials:

i) whose consistency when profiled may in terms of table 2 be classified as very loose, loose, medium dense, or dense; or

ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 15 blows of a dynamic cone penetrometer is required to penetrate 100mm;

b) Cohesive materials:

i) whose consistency when profiled may in terms of table 2 be classified as very soft, soft, firm, stiff and stiff / very stiff; or

ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 8 blows of a dynamic cone penetrometer is required to penetrate 100mm;

Note

1) A boulder is material with a particle size greater than 200mm, a cobble and gravel is material between 60 and 200mm.

2) A dynamic cone penetrometer is an instrument used to measure the in-situ shear resistance of a soil comprising a drop weight of approximately 10 kg which falls through a height of 400mm and drives a cone having a maximum diameter of 20mm (cone angle of 60° with respect to the horizontal) into the material being used.

Table 2: Consistency of materials when profiled			
GRANULAR MATERIALS		COHESIVE MATERIALS	
CONSISTENCY	DESCRIPTION	CONSISTENCY	DESCRIPTION
Very loose	Crumbles very easily when scraped with a geological pick.	Very soft	Geological pick head can easily be pushed in as far as the shaft of the handle.
Loose	Small resistance to penetration by sharp end of a geological pick.	Soft	Easily dented by thumb; sharp end of a geological pick can be pushed in 30-40 mm; can be moulded by fingers with some pressure.
Medium dense	Considerable resistance to penetration by sharp end of a geological pick.	Firm	Indented by thumb with effort; sharp end of geological pick can be pushed in up to 10 mm; very difficult to mould with fingers; can just be penetrated with an ordinary hand spade.
Dense	Very high resistance to penetration by the sharp end of a geological pick; requires many blows for excavation.	Stiff	Can be indented by thumb-nail; slight indentation produced by pushing geological pick point into soil; cannot be moulded by fingers.
Very dense	High resistance to repeated blows of a geological pick.	Very stiff	Indented by thumb-nail with difficulty; slight indentation produced by blow of a geological pick point.

Trench excavation

All hand excavateable material in trenches having a depth of less than 1,5 metres shall be excavated by hand.

Compaction of backfilling to trenches (areas not subject to traffic)

Backfilling to trenches shall be placed in layers of thickness (before compaction) not exceeding 100mm. Each layer shall be compacted using hand stampers;

- a) to 90% Mod AASHTO;
- b) such that in excess of 5 blows of a dynamic cone penetrometer (DCP) is required to penetrate 100 mm of the backfill, provided that backfill does not comprise more than 10% gravel of size less than 10mm and contains no isolated boulders, or
- c) such that the density of the compacted trench backfill is not less than that of the surrounding undisturbed soil when tested comparatively with a DCP.

Excavation

All excavateable material including topsoil classified as hand excavateable shall be excavated by hand. Harder material may be loosened by mechanical means prior to excavation by hand. Any material which presents the possibility of danger or injury to workers shall not be excavated by hand.

Clearing and grubbing

Grass and bushes shall be cleared by hand.

Shaping

All shaping shall be undertaken by hand.

Loading

All loading shall be done by hand. Haulage equipment should be selected in a manner that allows loading by hand to the greatest extent possible.

Haul

Excavation material shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150m.

Offloading

All material, however transported, is to be off-loaded by hand, unless tipper-trucks are utilised for haulage.

Spreading

All material shall be spread by hand.

Compaction

Small areas may be compacted by hand provided that the specified compaction is achieved. Appropriate rollers should be used where higher (than can be achieved by hand) levels of compaction are required or for large areas.

Grassing

All grassing shall be undertaken by sprigging, sodding, or seeding by hand.

Stone pitching and rubble concrete masonry

All stone required for stone pitching and rubble concrete masonry, whether grouted or dry, must to be collected, loaded, off loaded and placed by hand.

Sand and stone shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150m.

Grout shall be mixed and placed by hand.

Manufactured Elements

Elements manufactured or supplied by the Contractor, such as manhole rings and cover slabs, precast concrete planks and pipes, masonry units and edge beams shall not individually, have a mass of more than 320kg. Where the mass of an element exceeds 55 kg, consideration should be given to the size of the element relative to its total mass related to the number of workers who would be needed to lift such mass