

2

C2.2 Bills of Quantities / Lump Sum Document

Item No		Quantity	Amount
	<p><u>BILL No. 1</u></p> <p><u>PRELIMINARIES</u></p> <p>MEANING OF TERMS "TENDER / TENDERER"</p> <p>Any reference to the words "Tender" or "Tenderer" herein and/or in any other documentation shall be construed to have the same meaning as the words "Bid" or "Bidder"</p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u></p> <p>The JBCC Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The JBCC Principal Building Agreement contract data for organs of state and other public sector bodies forms an integral part of this agreement</p> <p>The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities / lump sum document, amended as hereinafter described</p> <p>The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause</p> <p>The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only</p> <p>Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable"</p> <p>Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the abovementioned documents</p>		
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<p style="text-align: right;">Brought Forward</p> <p><u>TENDERER'S SELECTIONS</u></p> <p>Before submission of his tender the contractor is to complete the tenderer's selections in the contract data for organs of state and other public sector bodies</p> <p><u>STRUCTURE OF THIS PRELIMINARIES BILL</u></p> <p>Section A : A recital of the headings of the individual clauses in the aforementioned JBCC Principal Building Agreement</p> <p>Section B : A recital of the headings of the individual clauses in the aforementioned JBCC General Preliminaries</p> <p>Section C : Any special clauses to meet the particular circumstances of the project</p> <p><u>PRICING OF PRELIMINARIES</u></p> <p>Should the contractor select Option A in the contract data for organs of state and other public sector bodies for the adjustment of preliminaries, the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)</p> <p><u>PRICING OF BILLS OF QUANTITIES</u></p> <p>The contractor is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement.</p> <p>Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained</p> <p>Prices for all construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary</p>	R	
<p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries Professional Services NDPW & I - Port Elizabeth Regional Office</p>	R	

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<p><u>VALUE ADDED TAX</u></p> <p>Provision is made in the summary page of these bills of quantities / lump sum document for the inclusion of Value Added Tax (VAT)</p> <p><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>INTERPRETATION</u></p> <p><u>A1.0 DEFINITIONS AND INTERPRETATION</u></p> <p>Clause 1.0</p> <p>The following definitions replace corresponding definitions or are added to the definitions in the JBCC PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018), whatever the case may be</p> <p>ADVERSE WEATHER CONDITIONS: Adverse weather and inclement weather has the same meaning and used interchangeably and means any weather conditions i.e.: Rain, wind, snow, frost, temperature (cold or heat) that are not in the norm for the area where the construction takes place and during which no work is possible on site</p> <p>AGREEMENT: The completed Form of Offer and Acceptance, the completed JBCC® Principal Building Agreement and contract data for organs of state and other public sector bodies, the contract drawings, the priced document and any other documents reduced to writing and signed by the authorised representative or representatives of the parties</p> <p>CONSTRUCTION PERIOD: The period commencing on the date of possession of the site by the contractor and ending on the date of practical completion</p> <p>CONTRACT PERIOD: The period commencing on the date of the letter of acceptance and ending on the date of final completion</p>		
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<p style="text-align: right;">Brought Forward</p> <p>COST FLUCTUATION shall mean contract price adjustment provision (CPAP) for the adjustment of fluctuation in the cost of labour, plant, material and goods as stated in the schedule</p> <p>DEFAULT INTEREST: No Clause</p> <p>GUARANTEE FOR CONSTRUCTION: A security in terms of the DPWI's Guarantee for Construction form/s, obtained by the contractor from an institution approved by the employer [CD]</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) as amended, calculated as simple interest, in respect of debts owing to the State, and will be the rate as published by the Minister of Justice and Correctional Services from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No 55 of 1975) as amended, calculated as simple interest, in respect of debts owing by the State</p> <p>LETTER OF ACCEPTANCE: The letter of formal acceptance of the Contractor's or Service Provider's Tender / Bid, issued and signed by the Employer</p> <p>PAYMENT CERTIFICATE: A certificate issued at regular agreed intervals [CD] by the principal agent to the parties certifying the amount due and payable in terms of Clause 25.3</p> <p>PRINCIPAL AGENT: The person or entity appointed by the employer and named in the contract data for organs of state and other public sector bodies. 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 the employer's representative as named in the contract data for organs of state and other public sector bodies</p>	R	
<p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries Professional Services NDPW & I - Port Elizabeth Regional Office</p>	R	

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1	<p>TARGETED SUBCONTRACTORS: Subcontractors that must be appointed to a total of 30% or more of the contract sum, by the contractor, projects with a contract sum of the amount determined by the Minister in terms of the latest Preferential Procurement regulations, as may be amended from time to time.</p> <p>F:.....V:.....T:.....</p>		Item
2	<p>A2.0 LAW, REGULATIONS AND NOTICES</p> <p>Clause 2.0</p> <p>F:..... V:..... T:.....</p>		Item
3	<p>A3.0 OFFER AND ACCEPTANCE</p> <p>Replace Clause 3.3 with the following: This agreement shall come into force on the date of letter of acceptance and continue to be of force and effect until the end of the latent defects liability period [22.0] notwithstanding termination [29.0] or the certification of final completion [21.0] and final payment [25.0]</p> <p>F:..... V:..... T:.....</p>		Item
4	<p>A4.0 CESSION AND ASSIGNMENT</p> <p>Clause 4.0</p> <p>Ref Clause 6.7 [CD] - Clause 4.2</p> <p>Replace Clause 4.3 with the following: Where a contractor cedes any right or any monies due to or to become due under this agreement as security in favour of a financial institution, the prior written consent of the employer, which consent shall not be unreasonably withheld, must be obtained</p> <p>F:..... V:..... T:.....</p>		Item
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5	<p>A5.0 DOCUMENTS</p> <p>Clause 5.0</p> <p>Replace last sentence of Clause 5.2 with the following: The original signed agreement shall be held by the Employer</p> <p>Replace Clause 5.4 with the following: The Bills of Quantities shall not be used as a specification of material and goods or methods unless so instructed by the Principal Agent. The contractor may not use the Bills of Quantities for purpose of ordering material. All dimensions and quantities must be determined on site before ordering. In the event of discrepancy between the drawings and Bills of Quantity, the drawings shall take preference</p> <p>Replace Clause 5.5 with the following: The parties may publish or disclose on any platform only the contract scope and contract amount</p> <p>F:..... V:..... T:.....</p>		Item
6	<p>A6.0 EMPLOYER'S AGENTS</p> <p>Clause 6.0</p> <p>Replace Clause 6.5 with the following: Where the principal agent and/or an agent fails to act or is unable to act or ceases to be the principal agent or an agent in terms of this agreement, the employer shall appoint another principal agent and/or an agent</p> <p>Add the following as Clause 6.7: In terms of the clauses listed hereunder, the employer has retained its authority and has not given a mandate to the principal agent, notwithstanding other provisions in the contract. The employer shall sign all documents in relation to clauses 4.2, 14.1.4, 14.4.1, 14.6, 15.1.4, , 15.4.1, 23.1, 23.2, 23.3, 23.7, 23.8, 26.1, 26.7, 26.12</p> <p>F:..... V:..... T:.....</p>		Item
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7	<p>A7.0 DESIGN RESPONSIBILITY</p> <p>Clause 7.0</p> <p>Replace first sentence of Clause 7.2 with the following: Any design responsibility undertaken by a subcontractor shall not devolve on the contractor except for items that require specific component design and or compatibility design and or shop drawings and or the assembly thereof</p> <p>F:..... V:..... T:.....</p> <p><u>INSURANCES AND SECURITIES</u></p>		Item
8	<p>A8.0 WORKS RISK</p> <p>Clause 8.0</p> <p>Replace Clause 8.4 with the following: 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>F:..... V:..... T:.....</p>		Item
9	<p>A9.0 INDEMNITIES</p> <p>Clause 9.0</p> <p>Add the following to the end of the first sentence of Clause 9.2.7: “... due to no fault of the contractor</p> <p>9.2.9 No Clause</p> <p>9.2.10 No Clause</p> <p>Add the following as clause 9.3: The employer's rights to claim damages for the contractor's omissions and actions will not be affected.</p> <p>F:..... V:..... T:.....</p>		Item
10	<p>A10.0 INSURANCES</p> <p>Clause 10.0</p>		
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<p style="text-align: right;">Brought Forward</p> <p>Replace Clause 10.1 with the following: The party responsible shall effect and keep the respective insurances [CD] in force, in favour of the employer as beneficiary , from the date of possession of the site until the issue of the certificate of practical completion and with an extension to cover the contractors obligations after the date of practical completion [8.2.2]</p> <p>Add the following as Clause 10.1.5.1: Hi Risk Insurance In the event of the project being executed in a geological area classified as a “High Risk Area”, that is an area which is subject to highly unstable sub-surface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply</p> <p>Add the following as Clause 10.1.5.1.1 Damage to the works The contractor shall, from the date of possession of the site 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 the works and to rebuild, restore, replace and/or repair the works, at the contractor’s own costs</p> <p>10.1.5.1.2 Injury to persons or loss of or damage to property The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above</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>10.1.5.1.3 Replace Clause with the following: It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.1.5.1.1 and 10.1.5.1.2. Without limiting the contractor’s obligations in terms of the contract, the</p>	R
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	<p>contractor shall, within twenty-one (21) calendar days of the date of letter of acceptance, but before commencement of the works, submit to the employer proof of such insurance policy.</p> <p>10.1.5.1.4 Replace Clause with the following: 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 10.1.5.1.1; 10.1.5.1.2 and 10.1.5.1.3. 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>10.2 Replace Clause with the following: Where practical completion in sections is required [20.0), or where the works is for alterations and additions, the contractor shall effect and keep in force contract works insurance [10.1.1], supplementary insurance [10.1.2], public liability insurance [10.1.3] and where applicable, removal of lateral support insurance [10.1.4] and other insurances [10.1.5) in favour of the employer as beneficiary</p> <p>10.6 No Clause</p> <p>Add the following as Clause 10.11 In the event that an insurer dispute the amount of the claim to be paid to the employer, the contractor shall be liable to the employer for the difference between the claim (as determined by the employers QS appointed on the project) made by the employer and the amount that the insurer is willing to pay</p> <p>F:.....V:.....T:.....</p>		
11	<p>A11.0 SECURITIES</p> <p>Add the following as to the relevant related Clauses as follows:</p> <p>Add the following to Clause 11.1:</p> <p>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>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 C 1.0 Securities, as stated in the schedule. Such security shall be provided to the employer within fifteen (15) working 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 fifteen (15) working days from commencement date, the security in terms of C 1.0 Option C shall be deemed to have been selected.</p>		Item
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<p>The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5</p> <p>11.1.1 No Clause</p> <p>11.1.2 No Clause</p> <p>11.2.2 No Clause</p> <p>11.3 No Clause</p> <p>Replace Clause 11.4.1 with the following: Hand over the site to the contractor and withhold an amount equal to ten per cent (10%) of each interim payment certificate until practical completion is achieved. The value certified shall be subject to the adjustments in terms of 25.12.6 to 25.12.10.</p> <p>11.5 No Clause</p> <p>11.6 No Clause</p> <p>11.7 No Clause</p> <p>11.8 No Clause</p> <p>11.9 No Clause</p> <p>11.10 No Clause</p> <p>Add the following as Clause 11.11: Where the security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>Add the following as Clause 11.11.1: The contractor shall furnish the employer with a cash deposit equal in value to ten percent (10%) of the contract sum (excluding VAT) within fifteen (15) working days from commencement date. Failure to furnish the employer with a cash deposit within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.</p> <p>Add the following as Clause 11.11.2: The employer shall be entitled to recover expense and loss from the cash deposit in terms of Clause 27.0 provided that the employer notifies the Contractor 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>Add the following as Clause 11.11.3:</p>		
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<p style="text-align: right;">Brought Forward</p> <p>Within fifteen (15) working 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>Add the following as Clause 11.11.4: Within fifteen (15) working 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>Add the following as Clause 11.11.5: 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>Add the following as Clause 11.11.6: 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>Add the following as Clause 11.12: Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>Add the following as Clause 11.12.1: 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 fifteen (15) working days after issuance of the letter of acceptance. Failure to submit an acceptable variable construction guarantee within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.</p> <p>Add the following as Clause 11.12.2: The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender.</p> <p>Add the following as Clause 11.12.3: The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring.</p> <p>Add the following as Clause 11.12.4: Where the employer has a right of recovery against the contractor in terms of 27.0, the employer shall issue a written demand in terms of the variable construction guarantee.</p> <p>Add the following as Clause 11.13: 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>Add the following as Clause 11.13.1:</p>	R	
<p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries Professional Services NDPW & I - Port Elizabeth Regional Office</p>	R	

<p style="text-align: right;">Brought Forward</p> <p>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>Add the following as Clause 11.13.2: 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>Add the following as Clause 11.13.3: The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring.</p> <p>Add the following as Clause 11.13.4: The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5.</p> <p>Add the following as Clause 11.13.5: Where the employer has a right of recovery against the contractor in terms of 27.0, 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 from both.</p> <p>Add the following as Clause 11.14.1: 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>Add the following as Clause 11.14.2: 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 fifteen (15) working days from commencement date. Failure to submit a cash deposit within fifteen (15) working days Clause 11.4 will apply mutatis mutandis.</p> <p>Add the following as Clause 11.14.3: Within fifteen (15) working days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor.</p> <p>Add the following as Clause 11.14.4: The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5.</p> <p>Add the following as Clause 11.14.5: Where the employer has a right of recovery against the contractor in terms of 27, the employer may recover from the payment reduction or cash deposit or from both.</p> <p>Add the following as Clause 11.15: 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>	R	
<p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries Professional Services NDPW & I - Port Elizabeth Regional Office</p>	R	

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	<p>Add the following as Clause 11.15.1: The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.6 to 25.12.10.</p> <p>Add the following as Clause 11.15.2: The employer shall be entitled to recover expense and loss from the cash deposit in terms of 27.0 provided that the employer notifies the Contractor 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>Add the following as Clause 11.16: 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>Add the following as Clause 11.17: Should the contractor fail to furnish the security in terms of 11.2 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).</p> <p>F:..... V:..... T:.....</p> <p><u>EXECUTION</u></p>		
			Item
12	<p>A12.0 OBLIGATIONS OF THE PARTIES</p> <p>Clause 12.0</p> <p>12.1.1 No Clause</p> <p>Replace Clause 12.1.5 with the following: Give possession of the site to the contractor within ten (10) working days after approval of the Health and Safety Plan or the issue of a construction permit by the Department of Labour, if applicable, after the contractor complied with the terms of 12.2.22</p> <p>12.1.6 No Clause</p> <p>12.1.8 No Clause</p> <p>Replace Clause 12.2.2 with the following: The priced Bills must be submitted to the Employer within fourteen (14) calendar days from date of request. Where the priced document contains errors or discrepancies and/or prices considered by the employer or principal agent to be imbalanced or unreasonable the employer or principal agent and the contractor</p>		
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<p style="text-align: right;">Brought Forward</p> <p>shall adjust such prices without any change to the contract sum</p> <p>Replace Clause 12.2.5 with the following: Effect and keep in force insurances in favour of the employer as beneficiary where the contractor is responsible for providing insurances [10.0) [CD]</p> <p>Replace Clause 12.2.13 with the following: Designate a competent person full time on site to continuously administer and control the works on site and to receive and implement notices and contract instructions on behalf of the contractor</p> <p>Add the following as Clause 12.2.22: Within fourteen (14) working days of the date of the letter of acceptance submit to the principal agent an acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)</p> <p>Add the following as Clause 12.2.23: The contractor shall within reasonable time inform the agents regarding inspection of the works before covering / closing [B 12.0]</p> <p>Offices</p> <p>The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times [12.2.18]</p> <p>F:..... V:..... T:.....</p> <p>Main notice board</p> <p>The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m as type Drawing GEN 063, constructed of suitable boarding with flat smooth surface and with edging bead 19mm thick round outer edges and projecting 12mm from face of boarding and rounded on front edge. The board shall be securely fixed to hoarding, where hoarding is provided, or fixed to and including a suitable supporting structure of timber or tubular posts and braces. The board is to be painted ivory white and the bead and 12mm wide dividing lines dark green. All wording shall be inscribed in dark green as per the coat of arms for SA. All wording shall be inscribed in dark green painted sans serif lettering [12.2.18]</p> <p>F:..... V:..... T:.....</p>	R	
<p style="text-align: right;">Carried Forward</p> <p>Bill No. 1 Preliminaries Professional Services NDPW & I - Port Elizabeth Regional Office</p>	R	Item

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13	<p>A13.0 SETTING OUT</p> <p>Clause 13.0</p> <p>F:..... V:..... T:.....</p>		Item
14	<p>A14.0 NOMINATED SUBCONTRACTORS</p> <p>Clause 14.0</p> <p>Ref Clause 6.7 [CD] - Clause 14.1.4</p> <p>14.1.5 No Clause</p> <p>Replace "principal agent " with "employer" [6.7 [CD]] in Clause 14.4.1</p> <p>Ref Clause 6.7 [CD] - Clause 14.6</p> <p>F:..... V:..... T:.....</p>		Item
15	<p>A15.0 SELECTED SUBCONTRACTORS</p> <p>Clause 15.0</p> <p>Ref Clause 6.7 [CD] - Clause 15.1.4 & Clause 15.5</p> <p>15.1.5 No Clause</p> <p>Replace Clause 15.1.2 with the following: The principal agent shall call for tenders from a list of tenderers agreed between the contractor and the employer</p> <p>Replace "principal agent " with "employer" [6.7 [CD]] in Clause 15.4.1</p> <p>F:..... V:..... T:.....</p>		Item
16	<p>A16.0 DIRECT CONTRACTORS</p> <p>Clause 16.0</p> <p>F:..... V:..... T:.....</p>		Item
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17	<p>A17.0 CONTRACT INSTRUCTIONS</p> <p>Clause 17.0</p> <p>Replace Clause 17.4 with the following: The contractor shall comply with and duly execute all contract instructions except any contract instruction for additional work issued after the date of practical completion other than making good physical loss and repairing damage to the works in terms of 8.0 and 21</p> <p>Add the following clause as Clause 17.6: Minutes of meetings shall not constitute a site instruction unless reduced to a written contract instruction issued by the principal agent in terms of this contract / agreement.</p> <p>F:..... V:..... T:.....</p> <p><u>COMPLETION</u></p>		Item
18	<p>A18.0 INTERIM COMPLETION</p> <p>Clause 18.0</p> <p>F:..... V:..... T:.....</p>		Item
19	<p>A19.0 PRACTICAL COMPLETION</p> <p>Clause 19.0</p> <p>Replace Clause 19.5 with the following: On issue of the only or last certificate of practical completion the employer shall be entitled to possession of the works and the site. On issue of the certificate of practical completion for a section, the employer shall be entitled to possession of such section</p> <p>Add the following as Clause 19.8: WORKS COMPLETION (1) Within seven (7) calendar days of the date of practical completion the principal agent shall issue to the contractor a works completion list defining the outstanding work and defects apparent at the date of practical completion to be completed or rectified to achieve works completion. (2) Where, in the opinion of the contractor, the works completion list has been completed the contractor shall notify the principal agent who shall inspect within seven (7) calendar days of receipt of such a notice. Where, in the opinion of the principal agent, the Works Completion list:</p>		
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(2)(a) Has been satisfactorily completed, the principal agent shall forthwith issue a certificate of Works Completion to the contractor with a copy to the employer

(2)(b) Has not been satisfactorily completed, the principal agent shall forthwith identify the works completion list items that are not yet complete and inform the contractor thereof. The contractor shall repeat the procedure in terms of 19.8(2)

(3) Should the principal agent not issue a works completion list, in terms of 19.8 (1) or 19.8 (2)(b), within seven (7) calendar days from the end of the inspection period, the contractor shall notify the employer and principal agent. Should the principal agent not issue such Works Completion list within seven (7) calendar days of receipt of such notice, the employer may within seven (7) calendar days issue to the contractor a Works Completion list. Should the employer:

(3)(a) Not issue such works completion list within seven (7) calendar days, then the certificate of Works Completion shall be deemed to have been issued on the date of expiry of the initial notice period and works completion shall be deemed to have been achieved on such date

(3b) Issue a works completion list and the work on Works Completion list not have been completed or where further defects have become apparent, the employer shall forthwith identify such items on the updated works completion list and notify the contractor. The contractor shall repeat the procedure in terms of 19.8(2)(b) until such items have been completed to the satisfaction of the employer

(4) Should the works completion list not be completed to the satisfaction of the employer within a period of twenty one (21) working days of the issue first works completion list the contractor shall be liable to a daily penalty as described in B12.0

(5) The defects liability period in terms of 21.1 shall commence with the issue or deemed issue of the certificate of Works Completion in terms of 19.8(2)(a) or 19.8(3).

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20 **A20.0 COMPLETION IN SECTIONS**

Clause 20.0

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21	<p>A21.0 DEFECTS LIABILITY PERIOD AND FINAL COMPLETION</p> <p>Clause 21.0</p> <p>Replace Clause 21.1 with the following: The defects liability period for the works shall commence on the calendar day following the date of works completion and end at midnight (00:00) ninety (90) calendar days from the date of works completion [CD] or when work on the list for completion has been satisfactorily attended to [21.6), whichever is the later (if we use works completion)</p> <p>Replace Clause 21.6 with the following: On the expiry of the ninety (90) calendar days defects liability period [21.1] for items not indicated as items with an extended liability as indicated in B14 and on receipt of the contractor's notice to the principal agent</p> <p>And/or</p> <p>On the expiry of the defects liability period as indicated in B14, for items indicated in B14 and on receipt of the contractor's notice to the principal agent, the principal agent shall:</p> <p>(1) inspect the works And within ten (10) working days either issue a list for final completion detailing all outstanding work or defects that must be attended to, or rectified to achieve final completion or</p> <p>(2) issue the certificate of final completion to the contractor with a copy to the employer for that part of the works where defects liability period has expired</p> <p>21.6.1 Omit Clause</p> <p>21.6.2 Omit Clause</p> <p>Add the following as Clause 21.13: The ninety (90) calendar days defects liability period for the works [21.1] is replaced with an extended defects liability period of three hundred and sixty-five (365) calendar days in respect of the listed applicable elements in B14</p> <p>Add the following as Clause 21.14: Penalties will be applied if the items on the completion list have not been attended to within a period of ninety (90) calendar days [21.1]. If additional defect items have being added to the list during this period, then the Principal Agent and Contractor will agree on a revised completion date. Failing in achieving the revised date will result in penalties being applied.[B12.0]</p> <p>F:..... V:.....T:.....</p>	Item	
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22	A22.0 LATENT DEFECTS LIABILITY PERIOD Clause 22.0 22.3.2 No Clause F:..... V:..... T:.....		Item
23	A23.0 REVISION OF THE DATE FOR PRACTICAL COMPLETION Clause 23.0 Ref Clause 6.7 [CD] - Clause 23.1 Ref Clause 6.7 [CD] - Clause 23.2 Replace Clause 23.3 with the following: Further circumstances that delays practical completion due to any other cause beyond the contractor's reasonable control that could not have reasonably been anticipated and provided for which the contractor may be entitled to a revision of the date for practical completion, with or without an adjustment of the contract value as determined by the Employer [6.7 CD] Ref Clause 6.7 [CD] - Clause 23.7 Ref Clause 6.7 [CD] - Clause 23.8 F:..... V:..... T:.....		Item
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24	<p>A24.0 PENALTY FOR LATE OR NON-COMPLETION</p> <p>Clause 24.0</p> <p>Replace Clause 24.1 with the following: Where the contractor fails to bring the works, or a section thereof, to practical-, works-, or final- completion by the applicable completion date [CD], or the revised applicable completion date, the contractor shall be liable to the employer for the penalty [CD]</p> <p>Replace Clause 24.2 with the following: Where the employer elects to levy such penalty the employer, or the principal agent on instruction from the employer, shall give notice thereof to the contractor. The principal agent shall determine the penalty due from the later of the date for practical- works-, or final- completion [CD], or the revised date for practical- works-, or final- completion, up to and including the earlier of:</p> <p>Replace Clause 24.2.1 with the following: The actual or deemed date of practical- works-, or final- completion, of the works, or a section thereof [23.7.1]</p> <p>F:..... V:..... T:.....</p> <p><u>PAYMENT</u></p>		
			Item
25	<p>A25.0 PAYMENT</p> <p>Clause 25.0</p> <p>Replace Clause 25.2 with the following: The principal agent shall issue at regular agreed intervals [CD] payment certificates, to the contractor with a copy to the employer, up to and including practical completion. Interim Payment certificates may be issued to the contractor between practical completion and the final payment certificate. A payment certificate may be for a nil or negative amount</p> <p>Add the following to Clause 25.3:</p> <p>25.3.12 Monthly Local content report,</p> <p>25.3.13 EPWP / NYS payment register, labour reports and certified ID document of EPWP/ NYS beneficiaries, Contract between Contractor and EPWP/ NYS beneficiaries, attendance register. (if applicable)</p> <p>25.3.14 Tax Invoice</p>		
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25.3.15 Labour intensive report		
25.3.16 Contract participation goal reports		
25.5 No Clause		
Replace Clause 25.6 with the following: Materials and goods will only be certified and paid for upon providing proof of full payment to the supplier and proof of transfer of ownership from the supplier to the contractor by the contractor. Once paid, material and goods shall become the property of the employer and shall not be removed from site without the written authority of the Employer.		
25.7.5 No clause.		
Replace Clause 25.10 with the following: The employer shall pay the contractor the amount stipulated in an issued payment certificate, correct in all material respects, within thirty (30) calendar days from the date of receiving the payment certificate, invoice and all other substantiating documentation for items certified in the payment certificate		
Replace Clauses 25.12 to 25.12.3 with the following: The value certified shall be subject to the following percentage adjustments :		
(Clauses 25.12.1 to 25.12.5 shall be applicable to a contract sum up to R1 million. In the event of a contract sum more than R1 million for Options D & E (C 1.0 Securities [11.0]) Clauses 25.12.1 to 25.12.5 shall be applicable)		
25.12.1 Where a security is selected in terms of C 1.0 Securities [11.0], the value of the works in terms of 25.1 and of the materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:		
25.12.2 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion		
25.12.3 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		
25.12.4 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 26		
25.12.5 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the		
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<p>adjustment level applicable to the final payment certificate.</p> <p>(Clauses 25.12.6 to 25.12.10 shall be applicable to a contract sum more than R1 million for Option C (C 1.0 Securities [11.0])</p> <p>25.12.6 Where security is a payment reduction in term of C 1.0 Option C, value of the works in terms of 25.1 and materials and goods in terms of 25.4 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>25.12.7 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>25.12.8 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion</p> <p>25.12.9 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 26</p> <p>25.12.10 One hundred per cent (100%) of such value in the final payment certificate in terms of 26 except were the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate</p> <p>F:..... V:..... T:.....</p>		
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26	<p>A26.0 ADJUSTMENT OF THE CONTRACT VALUE AND FINAL ACCOUNT</p> <p>Clause 26.0</p> <p>Ref Clause 6.7 [CD] – Clause 26.1</p> <p>Omit Clause 26.4.3</p> <p>Ref Clause 6.7 [CD] – Clause 26.7</p> <p>Replace Clause 26.10 with the following: The principal agent shall prepare the final account in consultation with the employer and issue the final account, to the contractor within sixty (60) working days of the date of practical completion</p> <p>Ref Clause 6.7 [CD] – Clause 26.12</p> <p>F:..... V:..... T:.....</p>		
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27	<p>A27.0 RECOVERY OF EXPENSE AND/OR LOSS</p> <p>Clause 27.0</p> <p>Replace Clause 27.1.2 with the following: Interest due to late payment only</p> <p>Replace Clause 27.1.4 with the following: Interest due to late payment only</p> <p>27.1.5 No Clause</p> <p>Replace Clause 27.5 with the following: Where the employer decides to recover an amount due in terms of 27.2 from a construction guarantee, cash deposit or retention money held as security, the employer shall issue a written demand to the contractor before recovering the amount. Should such amount not be paid to the employer within fourteen (14) calendar days of the date-of notice by the employer, the employer may recover such an amount from the security</p> <p>Add the following as Clause 27.6: Where a provisional sequestration or provisional liquidation order has been granted or where an order has been granted which commences sequestration, liquidation, bankruptcy, receivership, winding-up or any similar effect, against the contractor or this agreement is cancelled in terms of 29, the employer may issue a demand to the guarantor in terms of the construction guarantee or advance payment guarantee held as security</p> <p>F:..... V:..... T:.....</p>	Brought Forward	R
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	<u>SUSPENSION AND TERMINATION</u>		
28	<p>A28.0 SUSPENSION BY THE CONTRACTOR</p> <p>Clause 28.0</p> <p>28 No Clause 28.1 No Clause 28.1.1 No Clause 28.1.2 No Clause 28.1.3 No Clause 28.1.4 No Clause 28.1.5 No Clause 28.2 No Clause 28.3 No Clause 28.4 No Clause</p> <p>F:..... V:..... T:.....</p>		Item
29	<p>A29.0 TERMINATION</p> <p>Clause 29.0</p> <p>Add the following as Clause 29.1.4: The contractor's estate has been sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa</p> <p>Add the following as Clause 29.1.5: The contractor has engaged in corrupt or fraudulent practices in competing for or in executing the contract</p> <p>Add the following as Clause 29.1.6: Honour his obligations in terms of Clauses 10.1.5.1.3, 11.4.1 and 12.2. sub Clauses 5, 6, 8, 9, 10, 11, 12, 13, 15, 16, 19, 20, 22.</p> <p>Replace Clause 29.7 with the following: The employer, on notice to the contractor, may recover damages from the contractor from the date of termination including, but not limited to, additional costs incurred in the completion, consultant cost, rental of alternative accommodation, invitation of completion tenders, salaries of officials and safeguarding the site, of the remaining work [25.3.7; 27.1.3]</p> <p>Replace Clause 29.9 with the following: The employer has the right of recovery against the contractor, where applicable, [CD] from:</p>		
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The guarantee for construction (variable) until the final payment has been made;		
or		
The guarantee for construction (fixed) until the date of practical completion;		
or		
The payment reduction until the final payment is made;		
or		
The cash deposit made as security until the final payment is made		
29.14.1 No Clause		
29.14.3 No Clause		
29.14.4 No Clause		
29.14.5 No Clause		
29.14.6 No Clause		
29.14.7 No Clause		
29.15 No Clause		
29.16 No Clause		
29.17.3 No Clause		
29.17.6 No Clause		
29.21.5 No Clause		
29.22 No Clause		
29.23 No Clause		
29.25.3 No Clause		
29.25.4 No Clause		
29.27 No Clause		
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	<u>DISPUTE RESOLUTION</u>		
30	A30.0 DISPUTE RESOLUTION		
	Clause 30.0		
	Replace Clause 30.2 with the following: Where such disagreement is not resolved within ten (10) working days of receipt of such notice it shall be deemed to be a dispute and shall be submitted to Mediation as a first method of dispute resolution failing which the parties will resort to Litigation		
	30.3 to 30.7.7 No Clauses		
	Replace Clause 30.8 with the following: The parties may, by agreement and at any time before Litigation, refer a dispute to mediation, in which event:		
	30.8.1 No Clause		
	Replace Clause 30.8.2 with the following: The appointment of a mediator, the procedure, and the status of the outcome shall be agreed between the parties		
	Replace Clause 30.8.3 with the following: Regardless of the outcome of a mediation the parties shall bear their own costs concerning the Mediation and equally share the costs of the mediator and related expenses		
	Replace Clause 30.9 with the following: Institution of Litigation shall be commenced and process served within three (3) year from the date of existence of the dispute, failing which the dispute shall lapse		
	30.10 No Clause		
	30.12 No Clause		
	F:..... V:..... T:.....		Item
	<u>SECTION B: GENERAL PRELIMINARIES</u>		
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	<u>B1.0 DEFINITIONS AND INTERPRETATION</u>		
31	B1.1 Definitions F:..... V:..... T:.....		Item
32	B1.2 Interpretation F:..... V:..... T:.....		Item
	<u>B2.0 DOCUMENTS</u>		
33	B2.1 Checking of documents F:..... V:..... T:.....		Item
34	B2.2 Provisional bills of quantities YES F:..... V:..... T:.....		Item
35	B2.3 Availability of construction information F:..... V:..... T:.....		Item
36	B2.4 Ordering of materials and goods F:..... V:..... T:.....		Item
	<u>B3.0 PREVIOUS WORK AND ADJOINING PROPERTIES</u>		
37	B3.1 Previous work - dimensional accuracy F:..... V:..... T:.....		Item
38	B3.2 Previous work - defects F:..... V:..... T:.....		Item
39	B3.3 Inspection of adjoining properties F:..... V:..... T:.....		Item
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	<u>B4.0 THE SITE</u>		
40	B4.1 Handover of site in stages F:..... V:..... T:.....		Item
41	B4.2 Enclosure of the works F:..... V:..... T:.....		Item
42	B4.3 Geotechnical and other investigations F:..... V:..... T:.....		Item
43	B4.4 Encroachments F:..... V:..... T:.....		Item
44	B4.5 Existing premises occupied YES The existing premises is occupied F:..... V:..... T:.....		Item
45	B4.6 Services - known F:..... V:..... T:.....		Item
	<u>B5.0 MANAGEMENT OF CONTRACT</u>		
46	B5.1 Management of the works F:..... V:..... T:.....		Item
47	B5.2 Progress meetings F:..... V:..... T:.....		Item
48	B5.3 Technical meetings F:..... V:..... T:.....		Item
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	<u>B6.0 SAMPLES, SHOP DRAWINGS AND MANUFACTURER'S INSTRUCTIONS</u>			
49	B6.1 Samples of materials F:..... V:..... T:.....	Item		
50	B6.2 Workmanship samples F:..... V:..... T:.....	Item		
51	B6.3 Shop drawings F:..... V:..... T:.....	Item		
52	B6.4 Compliance with manufacturer's instructions F:..... V:..... T:.....	Item		
	<u>B7.0 DEPOSITS AND FEES</u>			
53	B7.1 Deposits and fees F:..... V:..... T:.....	Item		
	<u>B8.0 TEMPORARY SERVICES</u>			
54	B8.1 Water F:..... V:..... T:.....	Item		
55	B8.2 Electricity F:..... V:..... T:.....	Item		
56	B8.3 Ablution and welfare facilities F:..... V:..... T:.....	Item		
57	B8.4 Communication facilities F:..... V:..... T:.....	Item		
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	<u>B9.0 PRIME COST AMOUNTS</u>		
58	B9.1 Responsibility for prime cost amounts F:..... V:..... T:.....		Item
	<u>B10.0 ATTENDANCE ON SUBCONTRACTORS</u>		
59	B10.1 General attendance The contractor shall at his own expense provide the following general attendance on the subcontractors : Access to the site and places where the subcontract work is to be carried out, including the reasonable use of any temporary personnel hoists erected by the contractor The provision of water and lighting and single phase electric power to a position within 50 metres of the place where the subcontract work is to be carried out but excluding water, fuel and power for commissioning of any installation The provision of an area for the subcontractor to establish temporary office accommodation and workshops and for the storage of plant and materials The use of erected scaffolding belonging to the contractor , in common with others having the like right, while it remains erected on the site The use, at reasonable times by arrangement of the contractor's erected hoisting equipment F:..... V:..... T:.....		Item
60	B10.2 Special attendance F:..... V:..... T:.....		Item
	<u>B11.0 GENERAL</u>		
61	B11.1 Protection of the works F:..... V:..... T:.....		Item
62	B11.2 Protection/isolation of existing works and works occupied in sections F:..... V:..... T:.....		Item
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63	B11.3 Security of the works F:..... V:..... T:.....		Item
64	B11.4 Notice before covering work F:..... V:..... T:.....		Item
65	B11.5 Disturbance The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent F:..... V:..... T:.....		Item
66	B11.6 Environmental disturbance F:..... V:..... T:.....		Item
67	B11.7 Works cleaning and clearing F:..... V:..... T:.....		Item
68	B11.8 Vermin F:..... V:..... T:.....		Item
69	B11.9 Overhand work F:..... V:..... T:.....		Item
70	B11.10 Tenant installations F:..... V:..... T:.....		Item
71	B11.10 Advertising F:..... V:..... T:.....		Item
	<u>SECTION C: SPECIFIC PRELIMINARIES</u> Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item		
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	<p><u>C1.0 CONTRACT DRAWINGS</u></p> <p>72 * Select relevant paragraph and delete whichever is not applicable depending on whether the contract is based on a bills of quantities or lump sum document</p> <p>* The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed</p> <p>* A full set of drawings is issued with the tender documents indicating the full scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed</p> <p>Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent</p> <p>F:..... V:..... T:.....</p>		Item
	<p><u>C2.0 PREAMBLES</u></p> <p>73 The document “Construction Works: Specifications: General Specification (PW371-A) Edition 2.1” is obtainable on the Department’s website (http://www.publicworks.gov.za/ under “Consultants Guidelines”), and shall be read in conjunction with the bills of quantities / lump sum document and be referred to for the full descriptions of work to be done and materials to be used</p> <p>The document “Construction Works: Specifications: Particular Specification (PW371-B) Edition 2.2” is issued together with the drawings and shall be read in conjunction with the drawings and the bills of quantities / lump sum document</p> <p>F:..... V:..... T:.....</p>		Item
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	<u>C3.0 TRADE NAMES</u>		
74	<p>Wherever a trade name for any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders</p> <p>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for</p> <p>F:..... V:..... T:.....</p>		Item
	<u>C4.0 IMPORTED MATERIALS AND EQUIPMENT</u>		
75	<p>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer)</p> <p>Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable)</p> <p>F:..... V:..... T:.....</p>		Item
	<u>C5.0 VIEWING THE SITE IN SECURITY AREAS</u>		
76	<p>The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes</p> <p>F:..... V:..... T:.....</p>		Item
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<u>C6.0 COMMENCEMENT OF WORKS IN SECURITY AREAS</u>			
77	<p>As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account</p> <p>F:..... V:..... T:.....</p>		Item
<u>C7.0 ENTRANCE PERMITS TO SECURITY AREAS</u>			
78	<p>As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer</p> <p>F:..... V:..... T:.....</p>		Item
<u>C8.0 SECURITY CHECK OF PERSONNEL</u>			
79	<p>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified</p> <p>In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works</p> <p>F:..... V:..... T:.....</p>		Item
<u>C9.0 PROHIBITION ON TAKING OF PHOTOGRAPHS</u>			
80	<p>In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister</p> <p>The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959</p> <p>F:..... V:..... T:.....</p>		Item
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C10.0 HIV/AIDS AWARENESS

It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the **bills of quantities** / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained

The **contractor** must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of Clause A 25.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including **interest**, due to such delay of payment

C10.1 AWARENESS CHAMPION

- 81 Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification

F:..... V:..... T:.....

Item

C10.2 AWARENESS WORKSHOPS

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

F:..... V:..... T:.....

Item

C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.

- 83 Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification

F:..... V:..... T:.....

Item

Carried Forward

R

Bill No. 1
 Preliminaries
Professional Services
NDPW & I - Port Elizabeth Regional Office

Brought Forward R

C10.4 ACCESS TO CONDOMS

84 Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the **construction period**, all in accordance with the HIV/AIDS Specification

F:..... V:..... T:..... Item

C10.5 MONITORING

85 Monitoring HIV/AIDS awareness of workers, providing the **principal agent** with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the **construction period** and close out, all in accordance with the HIV/AIDS Specification

F:..... V:..... T:.....
 Item Item

Carried Forward R

Bill No. 1
 Preliminaries
Professional Services
NDPW & I - Port Elizabeth Regional Office

		Brought Forward	R
	<p><u>C11.0 OCCUPATIONAL HEALTH & SAFETY ACT</u></p>		
86	<p>The contractor shall comply with all the requirements as set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993)</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 A25.0 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>F:..... V:..... T:.....</p>		Item
		Carried Forward	R
	<p>Bill No. 1 Preliminaries Professional Services NDPW & I - Port Elizabeth Regional Office</p>		

		Brought Forward	R
	<p><u>C12.0 EMPLOYMENT AND TRAINING OF YOUTH WORKERS ON THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP) INFRASTRUCTURE PROJECTS: NATIONAL YOUTH SERVICE (NYS)</u></p>		
87	<p>The contractor shall comply with all the requirements as set out in the "Additional Specification SL: Employment and Training of Youth Workers on the Expanded Public Works Programme (EPWP) Infrastructure Projects: National Youth Service (NYS)" as attached to these bills of quantities / lump sum document</p> <p>The contractor shall identify a minimum number of youth workers from a priority list, and shall employ them at the statutory labour rates for a minimum period and train them, all as per the aforementioned specification and as elsewhere measured in these bills of quantities / lump sum document</p> <p>The contractor shall liaise and co-ordinate with the employer and the EPWP Training Service Provider with regard to the priority list, the selection of youth workers, and the employment and training of the identified youth workers</p> <p>The contractor shall avail the services of an adequately qualified foreman specifically for the EPWP-NYS youth workers, to act as their construction supervisor. The foreman will be responsible for continually monitoring the progress of the youth workers and for addressing questions and issues that may arise from the youth workers</p> <p>Separate items which will be subject to remeasurement have been included elsewhere in these bills of quantities / lump sum document to cover the direct costs associated with the employment and training of the youth workers. Any additional requirements in respect of the aforementioned specification are deemed to be priced hereunder and no additional claims in this regard shall be entertained</p> <p>F:..... V:..... T:.....</p>		Item
		Carried Forward	R
	<p>Bill No. 1 Preliminaries Professional Services NDPW & I - Port Elizabeth Regional Office</p>		

Brought Forward

R

C13.0 IMPLEMENTATION OF LABOUR-INTENSIVE INFRASTRUCTURE PROJECTS UNDER THE EXPANDED PUBLIC WORKS PROGRAMME (EPWP)

88

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

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

Provision for pricing of compliance with the aforementioned is made under this clause and it is explicitly pointed out that all requirements in respect of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained

F:..... V:..... T:.....

Item

SUMMARY OF CATEGORIES

Category : Fixed R.....

Category : Value R.....

Category : Time R.....

Carried to Summary

R

Bill No. 1
Preliminaries
Professional Services
NDPW & I - Port Elizabeth Regional Office

Item No		Quantity	Rate	Amount
	<u>BILL No. 2</u>			
	<u>ALTERATIONS</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>REMOVAL OF EXISTING WORK</u>			
	<u>Breaking up and removing mass concrete:</u>			
1	Surface beds and slabs	m3	1	
2	Strip footings and foundations	m3	1	
	<u>Breaking down and removing brickwork, etc.:</u>			
3	Half brick walls.	m2	3	
4	One brick walls.	m2	5	
	<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>			
5	Rainwater pipes and holderbats	m	12	
6	Eaves gutters and brackets.	m	60	
	Carried to Summary			
	Bill No. 2 Alterations Professional Services NDPW & I - Port Elizabeth Regional Office		R	

Item No		Quantity	Rate	Amount
	<p><u>BILL No. 3EARTHWORKS</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>SUPPLEMENTARY PREAMBLES</u></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>Nature of material to be excavated</u></p> <p>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"</p> <p><u>Carting away of excavated material</u></p> <p>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</p> <p><u>SITE CLEARANCE</u></p> <p><u>Site clearance</u></p>			
1	<p>Digging up and removing rubbish, debris, vegetation, hedges, shrubs, bush, etc and trees not exceeding 200mm girth</p>	m2	32	
	<p><u>REMOVAL OF TREES ETC</u></p>			
	Carried Forward			R
	<p>Bill No. 3 Earthworks Professional Services NDPW & I - Port Elizabeth Regional Office</p>			

Brought Forward			R
<u>Taking out and removing, grubbing up roots, filling in holes and compacting to 90% Mod AASHTO density</u>			
2	Tree stump not exceeding 1m high, exceeding 200mm and not exceeding 500mm girth	No	1
<u>Cutting down and removing, grubbing up roots, filling in holes and compacting to 90% Mod AASHTO density</u>			
3	Tree exceeding 200mm and not exceeding 500mm girth	No	1
<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>			
<u>EXCAVATIONS ETC</u>			
<u>Digging up topsoil</u>			
4	Digging up topsoil to an average depth of 150mm and preserving for use of filling	m2	13
<u>Soft excavation not exceeding 2m deep</u>			
5	Trenches	m3	11
<u>Extra over trench and hole soft excavations for</u>			
6	Soft rock	m3	1
7	Hard rock	m3	1
<u>Extra over excavations in earth for breaking up and removing</u>			
8	Brickwork	m3	1
9	Unreinforced concrete	m3	1
10	Reinforced concrete	m3	1
Carried Forward			R
Bill No. 3 Earthworks Professional Services NDPW & I - Port Elizabeth Regional Office			

Brought Forward			R
<u>Extra over all excavations for carting away</u>			
11	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	5
<u>Risk of collapse of excavations</u>			
12	Sides of trench and hole excavations not exceeding 1,5m deep	m2	3
<u>Keeping excavations free from water</u>			
13	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>			
14	Backfilling to trenches, holes, etc	m3	6
<u>Earth filling G5 supplied by the contractor compacted to 98% Mod AASHTO density</u>			
15	Under floors, etc	m3	2
<u>Earth filling G3 supplied by the contractor compacted to 98% Mod AASHTO density</u>			
16	Under floors, etc	m3	2
<u>Course river sand filling supplied by the contractor compacted in 150mm layers to 95% Mod AASHTO density</u>			
17	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	10
Carried Forward			R
Bill No. 3 Earthworks Professional Services NDPW & I - Port Elizabeth Regional Office			

Brought Forward			R
<u>Compaction of surfaces</u>			
18	Compaction of ground surface under floors, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density	m2	10
<u>PROTECTION AGAINST TERMITES</u>			
<u>Soil insecticide</u>			
19	Under floors, etc including forming and poisoning shallow furrows against foundation walls, etc and filling in furrows and ramming	m2	10
Carried to Summary			R
Bill No. 3 Earthworks Professional Services NDPW & I - Port Elizabeth Regional Office			

Item No		Quantity	Rate	Amount
	<u>BILL No. 4</u>			
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</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	3	
	<u>REINFORCED CONCRETE</u>			
	<u>25 MPa/ 19mm Concrete poured around reinforcement:</u>			
2	Surface beds cast in panels on waterproofing	m3	2	
3	Surface beds cast in panels around water tanks on waterproofing	m3	2	
4	Pavings cast in panels	m3	1	
	<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>			
	<u>Smooth formwork to sides</u>			
5	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	10	
	Carried Forward			R
	Bill No. 4 Concrete, formwork and reinforcement Professional Services NDPW & I - Port Elizabeth Regional Office			

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	20
<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>			
8	Surface beds not exceeding 300mm thick	m	2
<u>Expansion joints with 12mm thick Bitumen impregnated softboard between vertical concrete and brick surfaces</u>			
9	Expansion joint not exceeding 300mm high	m	27
<u>Saw cut joints:</u>			
10	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	2
<u>REINFORCEMENT</u>			
<u>Fabric reinforcement</u>			
11	Type 245 fabric reinforcement in concrete surface beds, slabs, etc.	m2	32
Carried to Summary			R
Bill No. 4 Concrete, formwork and reinforcement Professional Services NDPW & I - Port Elizabeth Regional Office			

Item No	Quantity	Rate	Amount
<p><u>BILL No. 5MASONRY</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>SUPPLEMENTARY PREAMBLES</u></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> <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> <p style="text-align: right;">Carried Forward</p> <p>Bill No. 5 Masonry Professional Services NDPW & I - Port Elizabeth Regional Office</p>			R

Brought Forward			R
<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>Brickwork of NFX bricks (14 MPa nominal compressive strength) in foundations (Provisional)</u>			
1	One brick walls	m2	11
<u>Brickwork of NFP bricks in superstructure</u>			
2	One brick walls	m2	11
<u>BRICKWORK SUNDRIES</u>			
<u>Joint forming material in movement joints</u>			
3	12mm Bitumen impregnated fibre board built in vertically through brick walls in foundations (Provisional)	m2	1
<u>Brickwork reinforcement</u>			
4	150mm Wide reinforcement built in horizontally	m	180
<u>Galvanised hoop iron cramps, ties, etc</u>			
5	32 x 1,6mm Cramp 600mm long, three times bend with one end fixed to brickwork and one end buildt into brickwork	No	8
Carried Forward			R
Bill No. 5 Masonry Professional Services NDPW & I - Port Elizabeth Regional Office			

Brought Forward			R
<u>FACE BRICKWORK</u>			
<u>" Face bricks at (PC Amount R 7000/1000 delivered to site) with recessed horizontal and vertical joints.</u>			
6	Extra over brickwork for face brickwork.	m2	13
<u>Brick-on-edge header course copings, sills, etc pointed with recessed joints on all exposed faces</u>			
7	Coping on top of one brick wall pointed on top and both sides	m	15
Carried to Summary			R
Bill No. 5 Masonry Professional Services NDPW & I - Port Elizabeth Regional Office			

Item No		Quantity	Rate	Amount
	<p><u>BILL No. 6</u></p> <p><u>WATERPROOFING</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>SUPPLEMENTARY PREAMBLES</u></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>Waterproofing</u></p> <p>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</p> <p><u>DAMPPROOFING OF WALLS AND FLOORS</u></p> <p><u>One layer of 250 micron USB green waterproof sheeting sealed at laps with pressure sensitive tape</u></p>			
1	Under surface beds	m2	21	
2	Between existing brick wall and new tank stand	m2	8	
	<p><u>JOINT SEALANTS, ETC</u></p>			
	Carried Forward			
	<p>Bill No. 6 Waterproofing Professional Services NDPW & I - Port Elizabeth Regional Office</p>		R	

Brought Forward							
						R	
<u>Two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc</u>							
3	6 x 10mm In expansion joints in floors including raking out expansion joint filler as necessary (Provisional)	m	2				
4	12 x 10mm In expansion joints in floors/walls including raking out expansion joint filler as necessary (Provisional)	m	15				
Carried to Summary						R	
Bill No. 6 Waterproofing Professional Services NDPW & I - Port Elizabeth Regional Office							

Item
No

Quantity

Rate

Amount

BILL No. 7

**PLUMBING AND DRAINAGE
(PROVISIONAL)**

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

SUPPLEMENTARY PREAMBLES

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

Reducing fittings

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

Exposed concrete surfaces

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

RAINWATER DISPOSAL

Carried Forward

R

Bill No. 7
Plumbing and Drainage
Professional Services
NDPW & I - Port Elizabeth Regional Office

Brought Forward			R
<u>0.7mm Baked enamel on aluminium gutter system in contiuous lenghts:</u>			
1	100 x 125mm Ogee eaves gutters.	m	60
2	Extra over eaves gutter for stopped end.	No	4
3	Extra over eaves gutter for outlet for 76 x 64mm pipe.	No	4
4	76 x 64mm Rainwater pipes.	m	16
5	Extra over rainwater pipe for offset bend.	No	4
6	Extra over rainwater pipe for shoe.	No	2
<u>TAPS, VALVES, ETC.</u>			
<u>Polished brass</u>			
7	22mm Lockable tank cock with lugged brass lever as Cobra 541	No	1
8	50mm Automatic float level control valve including float switch or stainless steel ball valve installed complete as per manufacturers instructions in uPVC 5000L watertank.	No	1
<u>Stainless steel</u>			
9	28mm Sluice/gate valve with teflon seat	No	1
10	32mm Non-return valve	No	3
<u>INTERNAL WATER SUPPLY</u>			
11	15mm Pipes	m	6
12	22mm Pipes	m	12
<u>Extra over class 2 copper pipes for "Conex" compression fittings</u>			
13	15mm Bush, elbow, bend, tee, reducing tee, saddles, etc.	No	6
Carried Forward			R
Bill No. 7 Plumbing and Drainage Professional Services NDPW & I - Port Elizabeth Regional Office			

Brought Forward			R
14	22mm Bush, elbow, bend, tee, reducing tee, saddles, etc.	No	6
	<u>Sundries</u>		
15	Testing internal water reticulation		Item
	<u>EXTERNAL WATER RETICULATION</u>		
	<u>Class 12 uPVC pressure pipes</u>		
16	32mm Pipe layed in and including trenches	m	100
17	32mm Pipe cast in concrete (concrete elsewhere)	m	2
	<u>Extra over uPVC pressure pipes for solvent welded pressure fittings</u>		
18	32mm Adaptor.	No	3
19	32mm Tee	No	2
20	32mm Elbow	No	2
	<u>TANKS, ETC.</u>		
21	5000 Litre Polyethylene water tank with 40mm diameter inlet at top and 40mm overflow outlet and 40mm outlet at base of tank including access hatch on top with vermin-proof vent	No	2
	<u>STORMWATER CHANNELS</u>		
	<u>Unreinforced concrete 20 Mpa in-situ stormwater channels rendered smooth all round, including excavations, formwork, etc.</u>		
22	1000 x 150mm Thick V-dish channel 75mm deep	m	10
23	Extra for angles, intersections, ends, dressing into sides of catchpits, etc.	No	4
	Carried Forward		R
	Bill No. 7 Plumbing and Drainage Professional Services NDPW & I - Port Elizabeth Regional Office		

Brought Forward							
<u>Sundries</u>							
24	Excavate to open face to form cutt-off drain to falls, form banks and remainder deposit on site where directed	m3					
			1				
25	Triangular shaped stormwater channel outlet 900mm wide at head, 1.5m wide at base and 1.5m long at sides formed of 100mm thick concrete V-shaped base including all excavations, formwork and six 150 x 150mm broken bricks or stones protruding 150mm high at base of the spill basin	No					
			1				
Carried to Summary							R
Bill No. 7 Plumbing and Drainage Professional Services NDPW & I - Port Elizabeth Regional Office							R

Item No		Quantity	Rate	Amount
	<p><u>BILL No. 8</u></p> <p><u>ELECTRICAL WORK (PROVISIONAL)</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>PREAMBLES</u></p> <p>All equipment, electrical materials or methods of installation shall comply fully with SABS 0142-1 as published December 2001</p> <p><u>SUPPLEMENTARY PREAMBLES</u></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>Qualified Electrician</u></p> <p>Tenderer's are advised that a registered and qualified 3-phase electrician will be required to provide a electrical compliance certificate upon completion of the project</p>			
	Carried Forward		R	
	<p>Bill No. 8 Electrical Work (Provisional) Professional Services NDPW & I - Port Elizabeth Regional Office</p>			

<p>Brought Forward</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><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>R</p>
<p>Carried Forward</p> <p>Bill No. 8 Electrical Work (Provisional) Professional Services NDPW & I - Port Elizabeth Regional Office</p>	<p>R</p>

Brought Forward			R
<u>Laying of electric cables</u>			
Excavate 600mm below finished ground level			
Encase the installed cable in river sand or sifted sand			
Mark the cable route with approved concrete cable markers			
<u>DISTRIBUTION BOARDS</u>			
<u>Distribution boards complete with sheetmetal trays, frames, subframes, busbars, provision for future circuit breakers, labeling and legend cards</u>			
1	25A Single pole mccb's	No	1
2	63A Double pole earth leakage units	No	1
<u>ELECTRICAL SUPPLY</u>			
<u>PVC/PVC/SWA-ECC/PVC/600/1000V grade cable in ground not exceeding 1m deep</u>			
3	16mm ² x 2 - Core	m	50
<u>Cable termination to PVC/PVC/SWA-ECC/PVC cable including glands, shrouds, lugs, making off and connections and any additional lengths required</u>			
4	16mm ² x 2 - Core	No	2
<u>Cable sundries</u>			
5	150mm Wide cable danger warning tape placed 150mm above cables in trenches	m	25
<u>LIGHTING AND SMALL POWER</u>			
<u>Rigid PVC conduits</u>			
6	25mm Diameter	m	25
<u>GALVANISED CONDUIT</u>			
Carried Forward			R
Bill No. 8 Electrical Work (Provisional) Professional Services NDPW & I - Port Elizabeth Regional Office			

Brought Forward			R
<u>Chased and/or fixed in brickwork not exceeding 3000mm above floor level (making good of chase by others)</u>			
7	25mm Diameter	m	4
<u>CONDUIT BOXES AND FITTINGS</u>			
8	100 x 50 x 50mm Deep box	No	1
9	100 x 100 x 50mm Deep box	No	1
<u>Galvanised trunking with cover fixed to brickwork</u>			
10	50x50mm Trunking	m	25
<u>CONDUCTORS</u>			
<u>PVC insulated stranded copper conductors drawn into wireways</u>			
11	1,5mm ²	m	50
12	2,5mm ²	m	50
13	4mm ²	m	50
<u>LIGHT SWITCHES, SWITCHED SOCKET OUTLETS, ETC.</u>			
14	16A Single three-pin switched socket outlet	No	1
15	25A Two phase isolator with external waterproof box	No	1
<u>TESTING AND COMMISSIONING</u>			
16	Allow for testing, balancing and commissioning the complete electrical installation		Item
Carried to Summary			R
Bill No. 8 Electrical Work (Provisional) Professional Services NDPW & I - Port Elizabeth Regional Office			

Item No		Quantity	Rate	Amount
	<p><u>BILL No. 9</u></p> <p><u>MECHANICAL INSTALLATION (PROVISIONAL)</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>The descriptions of items in this Bill 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 attached to these bills of quantities 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>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 and Colour Coding</u></p> <p>The cost of labelling and colour coding must be included within the prices of the respective items.</p> <p><u>Pressure Pump with Controller</u></p>			
1	Supply and install a K40/100 double impeller electric pump supplied by DAB Water Technology including a Smart Press WG 3.0 on/off controller complete fixed to concrete plinth (plinth elsewhere)	No	1	
	Carried Forward		R	
	<p>Bill No. 9 Mechanical Installation (Provisional) Professional Services NDPW & I - Port Elizabeth Regional Office</p>			

Brought Forward							
<u>Galvanised Cage for Pressure pump consisting of 50 x 50 x 5mm angle iron framework covered with expanded metal mesh, bolted to concrete surface bed.</u>							
2	Single cage 400mm wide, 600mm long and 600mm high internally.	No	1				
3	100mm M13 expansion bolt	No	6				
<u>Commissioning, Maintenance, etc</u>							
4	Allow for commissioning and testing of the installation			Item			
5	Allow for 12 month maintenance and guarantee of the installation			Item			
6	Allow for providing operating and maintenance manuals			Item			
Carried to Summary							
Bill No. 9 Mechanical Installation (Provisional) Professional Services NDPW & I - Port Elizabeth Regional Office							
							R
							R

FINAL SUMMARY

Bill No		Page No	Amount
1	Preliminaries	40	
2	Alterations	41	
3	Earthworks	45	
4	Concrete, formwork and reinforcement	47	
5	Masonry	50	
6	Waterproofing	52	
7	Plumbing and Drainage	56	
8	Electrical Work (Provisional)	60	
9	Mechanical Installation (Provisional)	62	
	Sub Total		R
	Value Added Tax (15%)		R
	Carried to Form of Tender		R
	Professional Services		
	NDPW & I - Port Elizabeth Regional Office		