

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>SECTION 1</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>BUILDING AGREEMENT AND PRELIMINARIES</u> The agreement shall be the Principal Building Agreement prepared and published by the Joint Building Contracts Committee: Edition 4.1 Code 2101, March 2005. (The JBCC Series 2000 Principal Building Agreement).</p> <p><u>PRELIMINARIES</u> The preliminaries shall be the Preliminaries prepared and published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement: Code 2103, May 2005. (The JBCC Series 2000 Preliminaries).</p> <p><u>PRICING OF PRELIMINARIES</u> Should Option A, as set out in clause B10.3.1 hereinafter be used for the adjustment of preliminaries then each item priced is to be allocated to one or more of the three categories Fixed, Value Related or Time Related and the respective amounts entered in the spaces provided under each item Items not priced in these Preliminaries shall be deemed to be included elsewhere in these Bills of Quantities</p> <p><u>SECTION A: JBCC PRINCIPAL BUILDING AGREEMENT</u></p> <p><u>DEFINITIONS</u> A1.0 DEFINITIONS AND INTERPRETATION Clause 1.0 Clause 1.1 Definition of "Commencement Date" is added: COMMENCEMENT DATE means the date that the agreement, made in terms of the Form of Offer and Acceptance, comes into effect Clause 1.1 Definition of "Construction Guarantee" is amended by replacing it with the following: CONSTRUCTION GUARANTEE means a guarantee at call obtained by the contractor from an institution approved by the employer in terms of the employer's construction guarantee form as selected in the schedule</p>				
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<p>Clause 1.1 Definition of "Construction Period" is amended by replacing it with the following:</p> <p>CONSTRUCTION PERIOD means the period commencing on the commencement date and ending on the date of practical completion</p> <p>Clause 1.1 Definition of "Corrupt Practice" is added:</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>Clause 1.1 Definition of "Fraudulent Practice" is added:</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>Clause 1.1 Definition of "Interest" is amended by replacing it with the following:</p> <p>INTEREST means the interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance, from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No. 1 of 1999)</p> <p>Clause 1.1 Definition of "Principal Agent" is amended by replacing it with the following:</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>Clause 1.1 Definition of "Security" is amended by replacing it with the following:</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>				
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	Clause 1.6 is amended by replacing the words "prepaid registered post, telefax or e-mail" with "prepaid registered post or telefax"				
	Clause 1.6.4 is amended by replacing it with the following:				
1	No clause Fixed:_____ Value related:_____ Time related:_____	Item	1	R -	
	OBJECTIVE AND PREPARATION				
2	A2.0 OFFER, ACCEPTANCE AND PERFORMANCE Clause 2.0 Fixed:_____ Value related:_____ Time related:_____	Item	1		
3	A3.0 DOCUMENTS Clause 3.0Clause 3.2.1 is amended by replacing"14.1" with "14.0"Clause 3.7 is amended by the addition of the following: The contractor shall supply and keep a copy of the JBCC Series 2000 Principal Building Agreement and Preliminaries applicable to this contract on the site, to which the employer, principal agent and agents shall have access at all timesClause 3.10 is amended by replacing the second reference to "principal agent" with the word "employer" Fixed:_____ Value related:_____ Time related:_____	Item	1		
4	A4.0 DESIGN RESPONSIBILITY Clause 4.0Clause 4.3 is amended by replacing it with the following:No clause Fixed:_____ Value related:_____ Time related:_____	Item			
5	A5.0 EMPLOYER'S AGENTS Clause 5.0 Clause 5.1.2 is amended to include clauses 32.6.3, 34.3, 34.4 and 38.5.8 Fixed:_____ Value related:_____ Time related:_____	Item	1		
6	A6.0 SITE REPRESENTATIVE Clause 6.0 Fixed:_____ Value related:_____ Time related:_____	Item	1		
7	A7.0 COMPLIANCE WITH REGULATIONS Clause 7.0 Note: A separate clause has been included in Section C : Specific Preliminaries of the bills of quantities / lump sum document for the contractor to have the opportunity to price for all the requirements of the Occupational Health and Safety Act, Construction Regulations and Health and Safety SpecificationFixed:_____ Value related:_____ Time related:_____	Item	1		
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
8	A8.0 WORKS RISK Clause 8.0 Fixed:_____ Value related:_____ Time related:_____	Item	1		
9	A9.0 INDEMNITIES Clause 9.0 Fixed:_____ Value related:_____ Time related:_____	Item	1		
	<p>A10.0 WORKS INSURANCES Clause 10.0 Clause 10.0 is amended by the addition of the following clauses:</p> <p>10.5 Damage to the Works (a) Without in any way limiting the contractor's obligations in terms of the contract, the contractor shall bear the full risk of damage to and/or destruction of the works by whatever cause during construction of the works and hereby indemnifies and holds harmless the employer against any such damage. The contractor shall take such precautions and security measures and other steps for the protection and security of the works as the contractor may deem necessary</p> <p>(b) The contractor shall at all times proceed immediately to remove or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works</p> <p>© 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>(d) Where the employer bears the risk in terms of this contract, the contractor shall, if requested to do so, reinstate any damage or destroyed portions of the works and the costs of such reinstatement shall be measured and valued in terms of 32.0 hereof</p> <p>10.6 Injury to Persons or loss of or damage to Properties (a) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever arising out of or in the course of or caused by the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable</p>				
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<p>(b) The contractor shall be liable for and hereby indemnifies the employer against any liability, loss, claim or proceeding consequent upon loss of or damage to any moveable or immovable or personal property or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person, arising out of or in the course of or by reason of the execution of the works unless due to any act or negligence of any person for whose actions the employer is legally liable</p> <p>© The contractor shall, upon receiving a contract instruction from the principal agent, cause the same to be made good in a perfect and workmanlike manner at his own cost and in default thereof the employer shall be entitled to cause it to be made good and to recover the cost thereof from the contractor or to deduct the same from amounts due to the contractor</p> <p>(d) The contractor shall be responsible for the protection and safety of such portions of the premises placed under his control by the employer for the purpose of executing the works until the issue of the certificate of practical completion</p> <p>(e)Where the execution of the works involves the risk of removal of or interference with support to adjoining properties including land or structures or any structures to be altered or added to, the contractor shall 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</p> <p>(f) The contractor shall at all times proceed immediately at his own cost to remove or dispose of any debris and to rebuild, restore, replace and/or repair such property and to execute the works</p> <p>10.7 High risk insurance In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable subsurface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply:</p>				
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<p>10.7.1 Damage to the works The contractor shall, from the commencement date of the works until the date of the certificate of practical completion bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary</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>10.7.2 Injury to persons or loss of or damage to property The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of, or caused by a catastrophic ground movement as mentioned above</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 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>				
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
10	10.7.4 The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.7.1; 10.7.2 and 10.7.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole Fixed:_____ Value related:_____ Time related:_____	Item	1		
11	A11.0 LIABILITY INSURANCES Clause 11.0 Fixed:_____ Value related:_____ Time related:_____	Item	1		
12	A12.0 EFFECTING INSURANCES Clause 12.0 Fixed:_____ Value related:_____ Time related:_____	Item	1		
	A13.0 No clause N/A				
	A14.0 SECURITY Clause 14.0 Clauses 14.1 - 14.8 are amended by replacing them with the following:				
	14.1 In respect of contracts with a contract sum up to R1 million, the security to be provided by the contractor to the employer will be a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT)				
	14.1.1 The payment reduction of the value certified in a payment certificate shall be mutatis mutandi in terms of 31.8(A)				
	14.1.2 The employer shall be entitled to recover expense and loss from the payment reduction in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the payment reduction security or portions thereof to the contractor				
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<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 security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>14.3.1 The contractor shall furnish the employer with a cash deposit equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>14.3.2 Within twenty-one (21) calendar days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT), and refund the balance to the contractor</p> <p>14.3.3 Within twenty-one (21) calendar days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor</p> <p>14.3.4 On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor</p> <p>14.3.5 The employer shall be entitled to recover expense and loss from the cash deposit in terms of 33.0 provided that the employer complies with the provisions of 33.4 in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor</p> <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>				
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<p>14.4 Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:</p> <p>14.4.1 The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum (excluding VAT) within twenty-one (21) calendar days from commencement date</p> <p>14.4.2 The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender</p> <p>14.4.3 The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring</p> <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>				
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<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 mutatis mutandi 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 mutatis mutandi 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>				
13	<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 Fixed:_____ Value related:_____ Time related:_____</p>	Item	1		
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	EXECUTION				
	A15.0 PREPARATION FOR AND EXECUTION OF THE WORKS Clause 15.0 Clause 15.1.1 is amended by replacing it with: No clause Clause 15.1.2 is amended by replacing it with: The security selected in terms of 14.0 Clause 15.1 is amended by the addition of the following clause: 15.1.4 An acceptable health and safety plan, required in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), within twenty-one (21) calendar days of commencement date Clause 15.2.1 is amended by replacing it with the following clause:				
14	Give the contractor possession of the site within ten (10) working days of the contractor complying with the terms of 15.1.4 Fixed: _____ Value related: _____ Time related: _____	Item	1		
15	A16.0 ACCESS TO THE WORKS Clause 16.0 Fixed: _____ Value related: _____ Time related: _____	Item	1		
16	A17.0 CONTRACT INSTRUCTIONS Clause 17.0 Clause 17.1.11 is amended by deleting the words "and the appointment of nominated and selected subcontractors" Fixed: _____ Value related: _____ Time related: _____	Item	1		
17	A18.0 SETTING OUT OF THE WORKS Clause 18.0 Fixed: _____ Value related: _____ Time related: _____	Item	1		
18	A19.0 ASSIGNMENT Clause 19.0 Fixed: _____ Value related: _____ Time related: _____	Item	1		
19	A20.0 NOMINATED SUBCONTRACTORS Clause 20.0 Clause 20.1.3 is amended by replacing it with the following: No clause Note: See item B9.1 hereinafter for adjustment of attendance on nominated subcontractors executing work allowed for under provisional sums Fixed: _____ Value related: _____ Time related: _____	Item	1		
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
20	A21.0 SELECTED SUBCONTRACTORS Clause 21.0 Clause 21 is amended by replacing it with: No clause Fixed:_____ Value related:_____ Time related:_____	Item	1		
21	A22.0 EMPLOYER'S DIRECT CONTRACTORS Clause 22.0 Fixed:_____ Value related:_____ Time related:_____	Item	1		
22	A23.0 CONTRACTOR'S DOMESTIC SUBCONTRACTORS Clause 23.0 Fixed:_____ Value related:_____ Time related:_____	Item	1		
	COMPLETION				
23	A24.0 PRACTICAL COMPLETION Clause 24.0 Fixed:_____ Value related:_____ Time related:_____	Item	1		
24	A25.0 WORKS COMPLETION Clause 25.0 Fixed:_____ Value related:_____ Time related:_____	Item	1		
25	A26.0 FINAL COMPLETION Clause 26.0 Clause 26.1.2 is amended by inserting "#" next to 26.1.2 Fixed:_____ Value related:_____ Time related:_____	Item	1		
25	A27.0 LATENT DEFECTS LIABILITY PERIOD Clause 27.0 Fixed:_____ Value related:_____ Time related:_____	Item	1		
27	A28.0 SECTIONAL COMPLETION Clause 28.0 Fixed:_____ Value related:_____ Time related:_____	Item	1		
28	A29.0 REVISION OF DATE FOR PRACTICAL COMPLETION Clause 29.0 Clause 29.2.5 is amended by replacing it with: No clause Fixed:_____ Value related:_____ Time related:_____	Item	1		
29	A30.0 PENALTY FOR NON-COMPLETION Clause 30.0 Fixed:_____ Value related:_____ Time related:_____	Item	1		
	PAYMENT				
	A31.0 INTERIM PAYMENT TO THE CONTRACTOR Clause 31.0				
	Clause 31.5.2 is amended by replacing "14.7.1" with "14.0"				
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<p>Clause 31.8 is amended by replacing it with the following two</p> <p>Alternative A 31.8(A) Where a security is selected in terms of 14.1; 14.5 or 14.6, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>31.8(A).1 Ninety-five per cent (95%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>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</p> <p>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</p> <p>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</p> <p>Alternative B</p> <p>31.8(B) Where security as a payment reduction in terms of 14.7 has been selected, the value of the works in terms of 31.4.1 and materials and goods in terms of 31.4.2 shall be certified in full. The value certified shall be subject to the following percentage adjustments:</p> <p>31.8(B).1 Ninety per cent (90%) of such value in interim payment certificates issued up to the date of practical completion</p> <p>31.8(B).2 Ninety-seven per cent (97%) of such value in interim payment certificates issued on the date of practical completion and up to but excluding the date of final completion</p> <p>31.8(B).3 Ninety-nine per cent (99%) of such value in interim payment certificates issued on the date of final completion and up to but excluding the final payment certificate in terms of 34.6</p>				
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	31.8(B).4 One hundred per cent (100%) of such value in the final payment certificate in terms of 34.6 except where the amount certified is in favour of the employer. In such an event the payment reduction shall remain at the adjustment level applicable to the final payment certificate				
	Clause 31.12 is amended by deleting the following:				
30	Payment shall be subject to the employer giving the contractor a tax invoice for the amount due Fixed:_____ Value related:_____ Time related:_____	Item	1		
31	A32.0 ADJUSTMENT TO THE CONTRACT VALUE Clause 32.0 Clauses 32.5.1, 32.5.4 and 32.5.7 are amended by the addition of the following at the end of the sentence: "due to no fault of the contractor" Fixed:_____ Value related:_____ Time related:_____	Item	1		
32	A33.0 RECOVERY OF EXPENSE AND LOSS Clause 33.0 Fixed:_____ Value related:_____ Time related:_____	Item	1		
33	A34.0 FINAL ACCOUNT AND FINAL PAYMENT Clause 34.0 Clause 34.1 is amended by removing "#" next to 34.1 Clause 34.2 is amended by inserting "#" next to 34.2 Clause 34.8 is amended by deleting the words "where security as a fixed construction guarantee in terms of 14.4 has been selected or where payment reduction has been applied in terms of 14.7.1" Clause 34.13 is amended by replacing "seven (7) calendar days" with "twenty-one (21) calendar days" and deleting the words "subject to the employer giving the contractor a tax invoice for the amount due" Fixed:_____ Value related:_____ Time related:_____	Item	1		
34	A35.0 PAYMENT TO OTHER PARTIES Clause 35.0 Fixed:_____ Value related:_____ Time related:_____	Item	1		
	CANCELLATION				
	Carried Forward				

Section No 1

PRELIMINARY AND GENERAL

BILL NO 1

PRELIMINARIES

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<p>A36.0 CANCELLATION BY EMPLOYER - CONTRACTOR'S DEFAULT Clause 36.0 Clause 36.1 is amended by the addition of the following clauses: 36.1.3 refuses or neglects to comply strictly with any of the conditions of contract 36.1.4 estate being sequestrated, liquidated or surrendered in terms of the insolvency laws in force within the Republic of South Africa 36.1.5 in the judgement of the employer, has engaged in corrupt or fraudulent practices in competing for or in executing the contract Clause 36.3 is amended by removing the reference to "No clause" and replacing the words "principal agent" with "employer"</p> <p>Clause 36.0 is amended by the addition of the following clause:</p> <p>35 36.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever Fixed: _____ Value related: _____ Time related: _____</p>	Item	1		
	<p>A37.0 CANCELLATION BY EMPLOYER - LOSS AND DAMAGE Clause 37.0 Clause 37.3.5 is amended by replacing "ninety (90)" with "one hundred and twenty (120)"</p> <p>36 Clause 37.0 is amended by the addition of the following clause: 37.5 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever Fixed: _____ Value related: _____ Time related: _____</p>	Item	1		
	<p>A38.0 CANCELLATION BY CONTRACTOR - EMPLOYER'S DEFAULT Clause 38.0 Clause 38.5.4 is amended by replacing "ninety (90)" with "one hundred and twenty (120)" Clause 38.0 is amended by the addition of the following clause:</p>				
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
37	38.7 Notwithstanding any clause to the contrary, on cancellation of this agreement either by the employer or the contractor; or for any reason whatsoever, the contractor shall on written instruction, discontinue with the works on a date stated and withdraw himself from the site. The contractor shall not be entitled to refuse to withdraw from the works on the grounds of any lien or right of retention or on the grounds of any other right whatsoever Fixed:_____ Value related:_____ Time related:_____	Item	1		
38	A39.0 CANCELLATION - CESSATION OF THE WORKS Clause 39.0 Clause 39.3.5 is amended by the addition of the following at the end of the sentence: "within one hundred and twenty (120) working days of completion of such a report" Fixed:_____ Value related:_____ Time related:_____ DISPUTE A40.0 DISPUTE SETTLEMENT Clause 40.0 Clause 40.2.2 is amended by replacing "one (1) year" with "three (3) years" Clause 40.6 is amended by removing the reference to: No clause Clause 40.7.1 is amended by replacing "(10)" with "(15)" and by the addition of the following: Whether or not mediation resolves the dispute, the parties shall bear their own costs concerning the mediation and equally share the costs of the mediator and related costs SUBSTITUTE PROVISIONS	Item	1		
39	A41.0 STATE CLAUSES Clause 41.0 Fixed:_____ Value related:_____ Time related:_____ CONTRACT VARIABLES	Item	1		
40	A42.0 THE SCHEDULE (DPW-04EC) Clause 42.0 Tenderers are referred to the Contract Data DPW-04(EC) for variables pertaining to this contract Fixed:_____ Value related:_____ Time related:_____ SECTION B: JBCC PRELIMINARIES B1.0 DEFINITIONS AND INTERPRETATION	Item	1		
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
41	B1.1 Definitions and interpretation See also clause A1.0 of Section A for additional and/or amended definitions which shall apply equally to this Section Fixed:_____ Value related:_____ Time related:_____	Item	1		
	B2.0 DOCUMENTS				
42	B2.1 Checking of documents Fixed:_____ Value related:_____ Time related:_____	Item	1		
43	B2.2 Provisional bills of quantities Fixed:_____ Value related:_____ Time related:_____	Item	1		
44	B2.3 Availability of construction documentation Fixed:_____ Value related:_____ Time related:_____	Item	1		
45	B2.4 Interests of agents Fixed:_____ Value related:_____ Time related:_____	Item	1		
46	B2.5 Priced documents Fixed:_____ Value related:_____ Time related:_____	Item	1		
47	B2.6 Tender submission Clause 2.6 is amended by replacing "JBCC Form of Tender" with "Form of Offer and Acceptance DPW-07(EC)" Fixed:_____ Value related:_____ Time related:_____	Item	1		
	B3.0 THE SITE				
48	B3.1 Defined works area Fixed:_____ Value related:_____ Time related:_____	Item	1		
49	B3.2 Geotechnical investigation Fixed:_____ Value related:_____ Time related:_____	Item	1		
50	B3.3 Inspection of the site Fixed:_____ Value related:_____ Time related:_____	Item	1		
51	B3.4 Existing premises occupied Fixed:_____ Value related:_____ Time related:_____	Item	1		
52	B3.5 Previous work - dimensional accuracy Fixed:_____ Value related:_____ Time related:_____	Item	1		
53	B3.6 Previous work - defects Fixed:_____ Value related:_____ Time related:_____	Item	1		
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
54	B3.7 Services - known Fixed:_____ Value related:_____ Time related:_____	Item	1		
55	B3.8 Services - unknown Fixed:_____ Value related:_____ Time related:_____	Item	1		
56	B3.9 Protection of trees Fixed:_____ Value related:_____ Time related:_____	Item	1		
57	B3.10 Articles of value Fixed:_____ Value related:_____ Time related:_____	Item	1		
58	B3.11 Inspection of adjoining properties Fixed:_____ Value related:_____ Time related:_____	Item	1		
	B4.0 MANAGEMENT OF CONTRACT				
59	B4.1 Management of the works Fixed:_____ Value related:_____ Time related:_____	Item	1		
60	B4.2 Programme for the works Fixed:_____ Value related:_____ Time related:_____	Item	1		
61	B4.3 Progress meetings Fixed:_____ Value related:_____ Time related:_____	Item	1		
62	B4.4 Technical meetings Fixed:_____ Value related:_____ Time related:_____	Item	1		
63	B4.5 Labour and plant records Fixed:_____ Value related:_____ Time related:_____	Item	1		
	B5.0 SAMPLES, SHOP DRAWINGS AND				
64	B5.1 Samples of materials Fixed:_____ Value related:_____ Time related:_____	Item	1		
65	B5.2 Workmanship samples Fixed:_____ Value related:_____ Time related:_____	Item	1		
66	B5.3 Shop drawings Fixed:_____ Value related:_____ Time related:_____	Item	1		
67	B5.4 Compliance with manufacturers' instructions Fixed:_____ Value related:_____ Time related:_____	Item	1		
	B6.0 TEMPORARY WORKS AND PLANT				
	Carried Forward				

Section No 1

PRELIMINARY AND GENERAL

BILL NO 1

PRELIMINARIES

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
68	B6.1 Deposits and fees Fixed:_____ Value related:_____ Time related:_____	Item	1		
69	B6.2 Enclosure of the works Fixed:_____ Value related:_____ Time related:_____	Item	1		
70	B6.3 Advertising Fixed:_____ Value related:_____ Time related:_____	Item	1		
71	B6.4 Plant, equipment, sheds and offices Fixed:_____ Value related:_____ Time related:_____	Item	1		
72	B6.5 Main notice board Fixed:_____ Value related:_____ Time related:_____	Item	1		
73	B6.6 Subcontractors' notice board Fixed:_____ Value related:_____ Time related:_____	Item	1		
	B7.0 TEMPORARY SERVICES				
74	B7.1 Location Fixed:_____ Value related:_____ Time related:_____	Item	1		
74	B7.2 Water Fixed:_____ Value related:_____ Time related:_____	Item	1		
76	B7.3 Electricity Fixed:_____ Value related:_____ Time related:_____	Item	1		
77	B7.4 Telecommunication facilities Fixed:_____ Value related:_____ Time related:_____	Item	1		
78	B7.5 Ablution facilities Fixed:_____ Value related:_____ Time related:_____	Item	1		
	B8.0 PRIME COST AMOUNTS				
79	B8.1 Responsibility for prime cost amounts Fixed:_____ Value related:_____ Time related:_____	Item	1		
	B9.0 ATTENDANCE ON N/S SUBCONTRACTORS				
80	B9.1 General attendance Fixed:_____ Value related:_____ Time related:_____	Item	1		
81	B9.2 Special attendance Fixed:_____ Value related:_____ Time related:_____	Item	1		
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
82	B9.3 Commissioning - fuel, water and electricity Fixed:_____ Value related:_____ Time related:_____	Item	1		
	B10.0 FINANCIAL ASPECTS				
83	B10.1 Statutory taxes, duties and levies Fixed:_____ Value related:_____ Time related:_____	Item	1		
84	B10.2 Payment for preliminaries Fixed:_____ Value related:_____ Time related:_____	Item	1		
85	B10.3 Adjustment of preliminariesClauses B10.3.1 and B10.3.2 are amended by replacing "within fifteen (15) working days of taking possession of the site" with "when submitting his priced bills of quantities / lump sum document" Fixed:_____ Value related:_____ Time related:_____	Item	1		
86	B10.4 Payment certificate cash flow Fixed:_____ Value related:_____ Time related:_____	Item	1		
	B11.0 GENERAL				
87	B11.1 Protection of the works Fixed:_____ Value related:_____ Time related:_____	Item	1		
88	B11.2 Protection / isolation of existing / sectionally occupied works Fixed:_____ Value related:_____ Time related:_____	Item	1		
89	B11.3 Security of the works Fixed:_____ Value related:_____ Time related:_____	Item	1		
90	B11.4 Notice before covering work Fixed:_____ Value related:_____ Time related:_____	Item	1		
91	B11.5 Disturbance Fixed:_____ Value related:_____ Time related:_____	Item	1		
92	B11.6 Environmental disturbance Fixed:_____ Value related:_____ Time related:_____	Item	1		
93	B11.7 Works cleaning and clearing Fixed:_____ Value related:_____ Time related:_____	Item	1		
94	B11.8 Vermin Fixed:_____ Value related:_____ Time related:_____	Item	1		
	Carried Forward				

Section No 1

PRELIMINARY AND GENERAL

BILL NO 1

PRELIMINARIES

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
95	B11.9 Overhand work Fixed:_____ Value related:_____ Time related:_____	Item	1		
96	B11.10 Instruction manuals and guarantees Fixed:_____ Value related:_____ Time related:_____	Item	1		
97	B11.11 As built information Fixed:_____ Value related:_____ Time related:_____	Item	1		
98	B11.12 Tenant installations Fixed:_____ Value related:_____ Time related:_____	Item	1		
	B12.0 SCHEDULE OF VARIABLES				
99	B12.1 Schedule of variables Fixed:_____ Value related:_____ Time related:_____	Item	1		
	<p>This schedule contains all variables referred to in this document and is divided into pre-tender and post-tender categories. The pre-tender category must be completed in full and included in the tender documents. Both the pre-tender and post-tender categories form part of these Preliminaries</p> <p>Spaces requiring information must be filled in, shown as "not applicable" or deleted and not left blank. Where choices are offered, the non-applicable items are to be deleted. Where insufficient space is provided the information should be annexed hereto and cross-referenced to the applicable clause of the schedule. Key cross reference clauses are italicised in [] brackets</p> <p>12.1 PRE-TENDER INFORMATION 12.1.1 Provisional bills of quantities [2.2] The quantities are provisional</p> <p>12.1.2 Availability of construction documentation [2.3] Construction documentation is complete</p> <p>12.1.3 Interests of agents [2.4] Details:</p> <p>12.1.4 Defined works area [3.1] Details:</p> <p>12.1.5 Geotechnical investigation [3.2] Details:</p> <p>12.1.6 Existing premises occupied [3.4] Specific requirements:</p> <p>12.1.7 Previous work - dimensional accuracy [3.5] Details:</p> <p>12.1.8 Previous work - defects [3.6]Details:</p>				
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<p>12.1.9 Services - known [3.7] Details:</p> <p>12.1.10 Protection of trees [3.9] Specific requirements:</p> <p>12.1.11 Inspection of adjoining properties [3.11] Specific requirements:</p> <p>12.1.12 Enclosure of the works [6.2] Specific requirements:</p> <p>12.1.13 Offices [6.4.3] Specific requirements: The contractor shall provide, maintain and remove on completion of the works an office for the exclusive use of the principal agent, minimum size 4 x 3 x 3m high internally, suitably insulated and ventilated, provided with electric lighting and fitted with boarded floor, desk, chair, drawing stool, drawing board and lock-up drawers for drawings. The office shall be kept clean and fit for use at all times</p> <p>12.1.14 Main notice board [6.5] Specific requirements: The contractor shall provide, erect where directed, maintain and remove on completion of the works a notice board size 3 x 3m 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</p> <p>12.1.15 Subcontractors' notice board [6.6] A notice board is required</p> <p>12.1.16 Water [7.2] Option A (by contractor) YES/NO Option C (by employer - metered) YES/NO</p> <p>12.1.17 Electricity [7.3] Option A (by contractor) YES/NO Option C (by employer - metered) YES/NO</p> <p>12.1.18 Telecommunications [7.4] Telephone YES/NO Facsimile YES/NO E-mail YES/NO</p> <p>12.1.19 Ablution facilities [7.5] Option A (by contractor) YES/NO</p>				
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<p>12.1.20 Protection of existing/sectionally occupied works [11.2] Protection is required</p> <p>12.1.21 Special attendance [9.2] Subcontractor (1) details: Subcontractor (2) details: Subcontractor (3) details:</p> <p>12.1.22 Protection of the works [11.1] Specific requirements:</p> <p>12.1.23 Disturbance [11.5] Specific requirements: The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent</p> <p>12.1.24 Environmental disturbance [11.6] Specific requirements:</p> <p>12.2 POST-TENDER INFORMATION</p> <p>12.2.1 Payment of preliminaries [10.2] Option A (prorated) Option B (calculated) YES/NO</p> <p>12.2.2 Adjustment of preliminaries [10.3] Option A (three categories) YES/NO</p> <p>12.2.3 Additional agreed preliminaries items Details:</p> <p>SECTION C: SPECIFIC PRELIMINARIES</p> <p>Section C contains specific preliminary items which apply to this contract except where N/A (Not Applicable) appears against an item</p>				
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
100	C1.0 CONTRACT DRAWINGS* Select relevant paragraph and delete whichever is not applicable depending on whether the contract is based on a bills of quantities or lump sum document* The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed* A full set of drawings is issued with the tender documents indicating the full scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agentFixed: _____ Value related: _____ Time related: _____	Item	1		
101	C2.0 GENERAL PREAMBLES The document "Specification of Materials and Methods to be used (PW371)" 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 Fixed: _____ Value related: _____ Time related: _____	Item	1		
102	C3.0 TRADE NAMESWherever a trade name for any product has been described in the bills of quantities / lump sum document, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered forFixed: _____ Value related: _____ Time related: _____	Item	1		
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
103	C4.0 IMPORTED MATERIALS AND EQUIPMENT Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment DPW-23(EC) to be completed by tenderer) Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable) Fixed: _____ Value related: _____ Time related: _____	Item	1		
104	C5.0 VIEWING THE SITE IN SECURITY AREAS The site is situated in a security area and the tenderer must arrange with the unit commander or other responsible officer to obtain permission to enter the site for tendering purposes Fixed: _____ Value related: _____ Time related: _____	Item	1		
105	C6.0 COMMENCEMENT OF WORKS IN SECURITY AREAS As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account Fixed: _____ Value related: _____ Time related: _____	Item	1		
106	C7.0 ENTRANCE PERMITS TO SECURITY AREAS As the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer Fixed: _____ Value related: _____ Time related: _____	Item	1		
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
107	C8.0 SECURITY CHECK OF PERSONNEL The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works Fixed: _____ Value related: _____ Time related: _____	Item	1		
108	C9.0 PROHIBITION ON TAKING OF PHOTOGRAPHS In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959 Fixed: _____ Value related: _____ Time related: _____ C10.0 HIV/AIDS AWARENESS It is required of the contractor to thoroughly study the HIV/AIDS Specification (PW 1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained The contractor must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A 31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment	Item	1		
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
109	C10.1 AWARENESS CHAMPION Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item	1		
110	C10.2 AWARENESS WORKSHOPS Selection and appointment of a competent Service Provider approved by the principal agent, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item	1		
111	C10.3 POSTERS, BOOKLETS, VIDEOS, ETC. Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item	1		
112	C10.4 ACCESS TO CONDOMS Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item	1		
113	C10.5 MONITORING Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification Fixed:_____ Value related:_____ Time related:_____	Item	1		
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
114	C11.0 OCCUPATIONAL HEALTH AND SAFETY ACT 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) It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non-compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained Fixed:_____ Value related:_____ Time related:_____	Item	1		
115	C11.1 NOTIFICATION OF CONSTRUCTION WORK (Construction Regulation 4) The Contractor shall, before commencing work, notify the Department of Labour of the intended construction work in terms of Regulation 4. The Contractor shall submit the notification in writing, on the appropriate form, prior to commencement of work Fixed:_____ Value related:_____ Time related:_____	Item	1		
	C11.2 HEALTH AND SAFETY PLAN (Construction Regulation 7(1)(a) The Contractor shall provide and demonstrate to the Principal Agent a suitable and sufficiently documented health and safety plan based on the Act, Construction Regulations and the health and safety specification, which shall be applied from the date of commencement of and for the duration of the construction work. The Contractor shall ensure that a copy of the health and safety plan is available on request to an employee, inspector, sub contractor or principal agent all in terms of Regulation 5 Fixed:_____ Value related:_____ Time related:_____	Item	1		
	Carried Forward				

Section No 1

PRELIMINARY AND GENERAL

BILL NO 1

PRELIMINARIES

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
116	C11.3 REGISTRATION WITH THE COMPENSATION FUND (Construction Regulation 7(1)(c)(iv) The Contractor shall provide proof of his registration and good standing with the Compensation Fund or a licensed compensation insurer prior to the commencement of workFixed:_____ Value related:_____ Time related:_____	Item	1		
117	C11.4 HEALTH AND SAFETY FILE (Construction Regulation 7(1)(b) The Contractor shall ensure that a health and safety file, which shall include all documentation required in terms of the health and safety specification, the Act and the Construction Regulations, is opened and kept on site and made available to the Principal Agent or Inspector upon request. Upon completion of the works, the Contractor shall hand over a consolidated health and safety file to the principal agentFixed:_____ Value related:_____ Time related:_____	Item	1		
118	C11.5 SUPERVISION OF CONSTRUCTION WORK (SAFETY OFFICER) (Construction Regulation 8(6) The Contractor shall appoint a full-time competent employee in writing as the construction supervisor, with the duty of supervising the construction work. The Contractor shall appoint a full-time or part-time construction safety officer in writing to assist in the control of all safety related aspects on the site. Such appointments are required to ensure that at all times the requirements of the Act and Construction Regulations are adhered to. Refer to Regulation 8 Fixed:_____ Value related:_____ Time related:_____	Item	1		
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
119	C11.6 RISK ASSESSMENT AND SAFETY POLICY (Construction Regulation 9) Before commencing work the Contractor shall cause a risk assessment to be performed by a competent person appointed in writing and the risk assessment shall form part of the health and safety plan. A copy of the risk assessment shall be available on site at all times for inspection. The Contractor shall at all time carry out the works in a manner to avoid the risk of bodily harm to persons or risk of damage to any property. He shall take all precautions regarding training of employees in any hazards and the related work procedures, health and safety induction training of employees, visitors or any other persons entering the site and provide personal protective equipment to all employees and visitors to site which are necessary and adequate to eliminate any conditions which contribute to the risk of injury to persons or damage to property in terms of Regulation 9 Fixed:_____ Value related:_____ Time related:_____	Item	1		
120	C11.7 SIGNIFICANT HAZARDA IDENTIFICATION RISK ASSESSMENT PREPARED BY THE DESIGN CONSULTANTS The contractor shall allow for additional financial provision, if any, to take the necessary precautions regarding the significant hazards and risks identified and assessed by the design consultants Fixed:_____ Value related:_____ Time related:_____	Item	1		
121	C11.8 ADDITIONAL FINANCIAL PROVISION The Contractor shall allow for additional financial provision, if any, to comply with the requirements of the Occupational Health and Safety Act (Act No 85 of 1993) and the Construction Regulations issued there under which have not been specifically elsewhere provided Fixed:_____ Value related:_____ Time related:_____	Item	1		
122	C11.9 FALL PROTECTION PLAN (Construction Regulation 10) The contractor shall, before commencing any construction work submit a fall protection plan identified all steps to be taken in order to ensure the continued adherence to the fall protection plan and shall include a risk assessment of all work carried out from an relevant position. The fall protection plan shall form part of the health and safety plan and file Fixed:_____ Value related:_____ Time related:_____	Item	1		
	Carried Forward				

Section No 1

PRELIMINARY AND GENERAL

BILL NO 1

PRELIMINARIES

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
123	C11.10 PHYSICAL AND PSYCHOLOGICAL FITNESS (Construction Regulation 7(8)) The contractor and sub-contractors shall before commencing any construction work submit proof of his employees that shall carried out work from an elevated position their physical and psychological fitness. And shall be recorded in the health and safety file Fixed:_____ Value related:_____ Time related:_____	Item	1		
124	C11.11 CONSTRUCTION VEHICLES AND MOBILE PLANT (Construction Regulation 23) The contractor and sub-contractors shall ensure that all operated workers received training and been certified competent to operate such vehicle, and are physical and psychological fit to operate such construction vehicles and mobile plants. And shall be recorded in the health and safety file Fixed:_____ Value related:_____ Time related:_____	Item	1		
125	C11.12 TRAINING (Construction Regulation 8 (c)) The contractor and sub-contractors shall, before commencing any construction work, submit his training program of all his employees. This program shall from part of the health and safety plan Fixed:_____ Value related:_____ Time related:_____	Item	1		
126	C11.13 DEMOLITION WORK (Construction Regulation 14) The contractor shall, before any demolition work shall carried out, submit all method of demolition to be used. This method shall form part of the health and safety plan and file. Fixed:_____ Value related:_____ Time related:_____	Item	1		
127	C11.14 REMOVAL AND DISPOSAL OF ASBESTOS MATERIAL (Asbestos Regulation) The principle contractor shall appoint a contractor that is registered with theDepartment of Labour as an AIA. The contractor must allow for; NOTIFICATION OF ASBESTOS PROCESSINGPERSONAL PROTECTIVE EQUIPMENTPACKAGING AND TRANSPORT AND STORAGE TO DISPOSAL SITEDEMOLITION WORK OF SHEETSLABELLING AND INFORMATIONFixed:_____ Value related:_____ Time related:_____	Item	1		
128	Allow the amount of Eighty Thousand Rand (R80 000.00) for Community Liaison officer	Month	8	R 10 000,00	R 80 000,00
Carried To Final Summary					

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p>SECTION No. 2 BUILDING WORKS BILL No. 1 ALTERATIONS</p> <p>PREAMBLES</p> <p>The tenderer is referred to the relevant Clauses in a separate document "Model Preambles for Trades (1999 Edition)" - and to the incorporated Supplementary Preambles, before pricing this bill.</p> <p>SUPPLEMENTARY PREAMBLES General</p> <p>All works to be demolished shall be checked and confirmed by the Architect and Structural Engineer.</p> <p>Structural elements:</p> <p>Where works involve demolitions of load-bearing walls or columns, the contractor shall ensure that the structural integrity of the building is maintained. Therefore, in his allowances for temporary supports, propping-up etc pricing, the contractor shall make</p> <p>Careful Removal:</p> <p>The contractor shall remove all fitting, fixtures and elements so designated with care. The salvaged materials shall be recorded for inspection by the Representative/Agent and consequently stored for re-use. The contractor shall include, in his pricing, costs related thereto.</p> <p>REMOVAL OF EXISTING WORK</p> <p>Breaking up and removing reinforced concrete including cutting off and removing reinforcement bars or mesh wire, removing debris arising therefrom from site:</p> <p>1 Demolition of the existing vip ablution block sum 2</p> <p>2 Demolition of the existing administration block of about 5,6m x 5m Including the walls, foundation and corrugated roof Item 1</p> <p>Breaking down and removing brickwork etc:</p> <p>3 Half brick wall m² 12</p> <p>4 One brick wall m² 10</p> <p>Taking out and removing doors, windows, etc from brickwork to be demolished:</p>				
	Total Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Total Brought Forward				
6	Glazed steel window 1022 x 1024mm high from one brick wall. Taking out and removing doors, windows, etc including thresholds, sills, etc (building up openings elsewhere):	No.	20		
7	Steel single door frame and timber door 900 x 2000mm high overall from one brick wall.	No.	5		
8	Corrugated iron roof covering and timber purlins.	m ²	56		
9	Timber trusses, formed of rafters, tie beams, ties and struts of 7,7m x 6,1m including roof covering	No.	1		
10	Gypsum plasterboard ceilings including cornices, timber <u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc:</u>	m ²	20		
11	32mm Screed from floors.	m ²	150		
12	Internal plaster from walls and columns. Sundries:				
15	Construction joints, with and including mastic rubber or equal approved, to walls, vertical.	m ²	78		
16	Cutting toothings and bonding new brickwork to existing, half brick walls.	m	15		
17	Cutting toothings and bonding new brickwork or existing, one brick walls. CONCRETE SURFACES REPAIRS Repair concrete surfaces as described:	m	15		
18	Treating surfaces of previously cast concrete floors, smoothing.	m ²	150		
	Total Carried to Summary Page				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ABLUTION BLOCKS					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO 1</u> <u>FOUNDATIONS (PROVISIONAL)</u> <u>PREAMBLES</u> For preambles refer to "Specification of Materials and Methods to be used" , PW 371 <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 ETC</u> <u>Site clearance</u> 1 Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc 2 Stripping average 150mm thick layer of top soil and stockpiling on site <u>EXCAVATION, FILLING, ETC</u> <u>Excavation in earth not exceeding 2m deep</u> 3 Trenches <u>Extra over trench and hole excavations in earth for excavation in</u> 4 Soft rock 5 Hard rock <u>Extra over all excavations for carting away</u> 6 Extra over all excavations for carting away surplus material from excavations and/or from stockpiles on site to a dumping site to be located by the Contractor <u>Risk of collapse of excavation</u> 7 Sides of trench excavations not exceeding 1,5m deep				
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
8	<u>Keeping excavations free of water</u> Keeping excavations free of all water	Item	1		
	<u>Earth filling material supplied by the contractor compacted to 90% Mod AASHTO density</u>				
9	Under floors, steps, pavings, etc	m3	6		
10	Backfilling to trenches, holes, etc	m3	4		
	<u>Course river sand filling supplied by the contractor</u>				
11	25mm Thick dry, clean, washed river sand layer evenly spread over filling (elsewhere), levelled, watered and rammed to receive waterproof membrane (elsewhere) under solid floors	m2	31		
	<u>Compaction of surfaces</u>				
12	Compaction of ground surface under floors etc including	m2	31		
	<u>Tests:</u>				
13	Tests to determine the degree of compaction, etc. of ground or filling	No	3		
	<u>SOIL POISONING</u>				
	<u>Soil insecticide executed by a specialist insecticide company</u>				
14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	31		
15	To bottoms and sides of trenches etc.	m2	62		
	<u>UNREINFORCED CONCRETE</u>				
	<u>15Mpa/19mm concrete cast against excavated surfaces</u>				
16	Blinding layer	m3	6		
	<u>REINFORCED CONCRETE</u>				
	<u>25Mpa/19mm concrete cast against excavated surfaces</u>				
17	Strip footings	m3	16		
	Carried Forward				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>				
	<u>TEST</u>				
18	Allow for preparing a set of three concrete strngth test cubes, each size 150 x 150 x150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith.	No	5		
	<u>BRICKWORK IN FOUNDATIONS</u>				
	<u>Brickwork of NFP bricks in class II mortar</u>				
19	Half-brick wall	m2	4,8		
20	One brick walls	m2	18		
21	One brick walls circular on plan	m2	3,0		
	<u>BRICKWORK SUNDRIES</u>				
	<u>Brickwork reinforcement</u>				
22	150mm Wide reinforcement built in horizontally	m	32		
	<u>FACE BRICKWORK</u>				
	<u>Face bricks (Purchase price R3 200,00/1000 delivered to site excluding VAT) pointed with recessed horizontal and vertical joints</u>				
23	Extra over brickwork for face brickwork	m2	18		
	Total Carried to Summary Page				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 2</u></p> <p><u>FOUNDATIONS (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used", PW 371</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 Architect</p> <p><u>Cost of tests</u></p> <p>The cost of making, storing and testing of concrete test cubes as required shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)</p> <p><u>CONCRETE</u></p> <p><u>Test cubes:</u></p> <p>1 Prepare set of three 150 x 150 x 150mm concrete strength test cubes, label and send to an approved laboratory for testing, pay all charges and submit report to the Client Representative. Only successful tests will be paid for.</p> <p><u>REINFORCED CONCRETE</u></p> <p><u>30Mpa/19mm concrete</u></p> <p>2 In surface beds</p> <p><u>Sundries:</u></p> <p>3 Finish top surface of concrete slabs, etc. To a smooth and even wood floated surface including additional dry sand/cement mixture added as necessary whilst the concrete is still wet</p>	No	5		
		m3	3		
		m2	10		
Carried Forward					

[illegible]

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO 3</u>				
	<u>MASONRY</u>				
	<u>PREAMBLES</u>				
	For preambles refer to "Specification of Materials and Methods to be used", PW 371				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Proprietary items or materials</u>				
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Architect				
	<u>Mortar mixing</u>				
	All mortar to be mixed by manual operations.				
	<u>BRICKWORK</u>				
	<u>SUPERSTRUCTURE</u>				
1	Half-brick wall	m2	23,2		
2	One brick wall	m2	86		
3	One brickwalls in gables	m2	15		
4	One brickwalls above wall plate level	m2	9		
5	One brickwalls above walls in beamfilling	m2	22		
	<u>Brickwork reinforcement</u>				
6	75mm Wide reinforcement built in horizontally	m	292		
7	150mm Wide reinforcement built in horizontally	m	584		
	<u>TEMPORARY TURNING PIECES, ETC:</u>				
8	To flat brick lintels not exceeding 300mm wide	m	15		
	<u>FACE BRICKWORK</u>				
	<u>Face bricks (Purchase price of R 3200,00/1000 delivered to site excluding VAT) pointed with recessed horizontal and vertical joints</u>				
9	Extra over brickwork for face brickwork	m2	30		
	Carried Forward				

[illegible]

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO 4</u> <u>WATERPROOFING</u> <u>PREAMBLES</u> For preambles refer to "Specification of Materials and Methods to be used", PW 371 <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Architect <u>DAMP - PROOFING TO WALLS</u> <u>One layer of 375 micron embossed damp proof course:</u>				
1	To wall, cills, etc (measured net)	m2	48		
	<u>DAMP PROOFING UNDER FLOORS, ETC.</u> <u>250 Green micron medium density sheeting complying with SABS 952, Type C in widest practicable width with all joints lapped and sealed in accordance with the manufacture's instructions:</u>				
2	Under solid floors	m2	31		
Total Carried to Summary Page					

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 5</u></p> <p><u>ROOF COVERING</u></p> <p><u>PREAMBLES</u></p> <p>NOTE: All roof coverings and side cladding are to be installed to comply with SABS Code of Practice 0237 where applicable.</p> <p>All roof sheeting shall be laid under a 5 year guarantee for site workmanship and water tightness.</p> <p>0,5mm Thick IBR Galvanised Sheet Iron Roofing Sheets and 0,8mm Thick Accessories With Serrated Closers And Polyclosers Where Applicable, Both With Chromadek Colour One Side, In Single Sheet Lengths</p>				
1	<p>Roof covering with pitch not exceeding 25 degrees fixed to wood purlins.</p> <p><u>ROOF AND WALL INSULATION</u></p> <p><u>400mm micron marley undertile membrane with joints lapped 150mm</u></p>	m2	96		
6	<p>Insulation taut over purlins (at approximately 1000mm centres) and fixed concurrent with roof covering</p>	m2	55		
Total Carried to Summary Page					

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 6</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used" , PW 371</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 Architect</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes. All exposed edges shall be arised rounded</p> <p><u>Fixing</u></p> <p>All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs in brickwork or concrete at not exceeding 600 mmm centres, and where described as "bolted" the bolts have been given elsewhere</p> <p><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>References</u></p> <p>References in brackets at the end of descriptions refer to the Architect's schedules</p>				
	Carried Forward				

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<p>References in brackets at the end of descriptions refer to the Architect's schedules</p> <p><u>TIMBER</u></p> <p>All softwood to be South African Pine</p> <p><u>DESCRIPTIONS</u></p> <p>The term "planted on" shall mean the nailing of one timber member to another</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another</p> <p>The term "screwed on and pelleted" shall mean the screwing of timber member to and including plastic plugs in brickwork or concrete with heads of screws sunk and pelleted</p> <p>Shelving, etc. Described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing</p> <p>Descriptions of floors, ceilings, joinery, etc. Shall be deemed to include for all square cutting</p> <p>Descriptions of items given in lineal metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. Shall be deemed to include for angles, ends, etc</p> <p><u>ROOF TRUSSES</u></p> <p><u>Design, fabricate, deliver to site and erect fabricated timber roof trusses complete, including bracing, webrunners (if required), truss hangers (if required), cleats, hurricane clips, purlins, wall plates, tile battens, tilting fillets, bracing frames, temporary supports and all sundry timbers, bolts, etc., and everything else necessary to complete the entire roof truss installation to the principal agent's approval</u></p>				
	Carried Forward				

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
1	<p><u>The tenderer is required to submit a drawing to the Engineer for approval showing the position of roof ties, and submit a completed form of Indemnity prior to the erection of the trusses:</u></p> <p><u>All trusses etc. Are to be designed to carry "0,5 mm thick galvanised steel IBR roof sheeting as per architect specification " or similar approved Chromadeck IBR Sheeting</u></p> <p>Roof construction to hip roof pitch and double pitched roof system approximately 31m2 including trusses, jack rafters, hipped end, batterns and permanent bracing, etc. Measured flat for ablation</p> <p><u>(End of roof construction timber)</u></p> <p><u>FASCIAS AND BARGE BOARDS</u></p> <p><u>Tempered fibre-cement</u></p> <p>10 x 150mm Fascia board countersunk screwed to roof timbers (elsewhere) with two brass screws at maximum 1200mm centres and jointed with and including standard aluminium half round cover strips at all joints</p> <p><u>DOORS</u></p> <p><u>Standard Hardboard exterior light duty Meranti flush door (as per architect spec) size 813 x 2032 x 40mm thick with both stiles with exposed edges, manufactured in accordance with SANS 545:1989</u></p> <p>Door</p> <p><u>SKIRTINGS</u></p> <p><u>Wrought Meranti:</u></p> <p>19 x 76mm Skirting nailed to walls with heads of nails punched and filled including 19mm quadrant bead planted on at junction with floor</p>	m2	48		
2	<p>10 x 150mm Fascia board countersunk screwed to roof timbers (elsewhere) with two brass screws at maximum 1200mm centres and jointed with and including standard aluminium half round cover strips at all joints</p>	m	15		
3	<p>Door</p>	No	8		
4	<p>19 x 76mm Skirting nailed to walls with heads of nails punched and filled including 19mm quadrant bead planted on at junction with floor</p>	m	15		
	Total Carried to Summary Page				

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 7</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used", PW 371</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 Architect</p> <p><u>Descriptions</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs in brickwork or concrete at not exceeding 600 mm centres, and where described as "bolted" the bolts have been given elsewhere</p> <p><u>CEILINGS</u></p> <p><u>Aerolite insulation or similar approved:</u></p> <p>1 50mm Insulation closely fitted and laid on top of bracing between roof timbers etc m2 96</p> <p><u>Plasterboard ceilings:</u></p> <p>2 Horizontal ceiling formed of 6,4mm thick x 1200mm wide boards with and including H-Type pressed steel jointing strips and 38 x 50mm sawn softwood bracing at 400mm centres in one direction and around edges where required for fixing cornices, securely spiked to roof timbers m2 96</p> <p><u>Coved Cornice:</u></p> <p>3 19 x 75mm Coved cornice nailed m 30</p> <p>4 600 x 600mm trap door m 3</p>				
	Total Carried to Summary Page				

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 8</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used", PW 371</p> <p><u>FLOOR COVERINGS, PLASTIC LININGS, ETC</u></p> <p>NOTE: The tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-000E) before pricing this bill</p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 130 for Haylett formula purposes</p> <p><u>300 x 300mm Vinly tiles or similar approved or as per architect specification</u></p>				
1	On floors	m2	31		
Total Carried to Summary Page					

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 9</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used", PW 371</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 Architect</p> <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list</p> <p>BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded</p> <p><u>Fixing</u></p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs in brickwork or concrete</p> <p><u>HINGES, BOLTS, ETC</u></p> <p><u>"Union" or similar approved</u></p> <p>1 100 x 75 3mm brass butt hinges</p> <p><u>HANDLES</u></p>				
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	"Union" or similar approved				
2	"ASSA BLOY" Sandpiper handle on rose with stainless steel finish (Code: 6104-0655) including four lever upright lock (Code 2261-7655) with stainless steel forend, with anodise silver lock escutcheon (Code AL58RT-24AS)	No	6		
	<u>BATHROOM FITTINGS</u>				
	"Approved":				
3	19mm Diameter chromium plated towel rail 600mm long including end brackets	No	2		
4	Kimberley- Clark soap dispenser system fixed to wall (Code 329912)	No	4		
5	32mm Type 8 side grab rail 900mm girth plugged	No	2		
	<u>TOILET ROLL HOLDERS, ETC</u>				
	Kimberly clark or equal approved:				
6	Toilet roll holder 'type ACTH1' fixed in position	No	6		
	"ASSA ABLOY" or equal approved				
7	"ASSA ABLOY" 7770 overhead door closer with regular arm (Code: 7770) and necessary mounting	No	2		
	<u>SUNDRIES</u>				
8	"UNION" aluminium door stop (Code: AL8730AS) with anodised silver finish, plugged & screwed to floor	No	6		
	Total Carried to Summary Page				

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO. 10</u></p> <p><u>METALWORK</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used", PW 371</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 Architect</p> <p><u>Descriptions</u></p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork of concrete</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p><u>WELDED SCREENS, GATES, ETC</u></p> <p><u>Screens and gates to courtyard walls</u></p> <p>1 Single gate 800 x 2100mm high fitted with a pair of suitable hinges welded to post and lockable sliding bolt with keep in 50 x 50 angle iron frame welded to wall plates and pin hinges</p> <p><u>1.2mm Cold rolled steel single rebate door frames suitable for half brick walls</u></p> <p>2 Frame for door size 813 x 2032mm high</p> <p><u>1.2mm Cold rolled steel double rebate door frames suitable for one brick walls</u></p> <p>3 Frame for door size 1000 x 2032mm high for fire door</p> <p><u>Standard residential windows</u></p> <p>4 Steel Window size 1511 x 645mm high cottage type E1 with B1 type burglar bars on opening sections</p>				
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
5	Steel Window size 533 x 645mm high cottage type E1 with B1 type burglar bars on opening sections	No	4		
	Total Carried to Summary Page				

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 11</u> <u>PLASTERING</u> <u>PREAMBLES</u> For preambles refer to "Specification of Materials and Methods to be used" , PW 371 <u>Trade Names</u> For trade names refer to item B1.8 of the preliminaries <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Architect <u>SCREEDS</u> <u>Cement plaster screeds steel trowelled on concrete:</u>				
1	70mm screed set sloping	m2	14		
2	25mm Thick on floors suitable to receive tile finish	m2	31		
	<u>INTERNAL PLASTER</u> <u>One coat (3:1) cement plaster on brickwork finished to a smooth and even steel trowelled surface:</u>				
3	On walls	m2	98		
4	On narrow width	m2	9		
	<u>EXTERNAL PLASTER</u> <u>One coat 3:1 textured cement plaster on brick walls</u>				
5	On walls	m2	20		
6	On narrow width	m2	5		
Total Carried to Summary Page					

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO. 12</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used", PW 371</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 Architect</p> <p><u>Descriptions</u></p> <p>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</p> <p><u>WALL TILING</u></p> <p><u>200 X 200 X 6.5mm Thick approved splashback glazed ceramic wall tiles to plaster bedding and flush pointed with waterproof jointing compound:</u></p>				
1	On walls	m2	35		
Total Carried to Summary Page					

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO. 13</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used", PW 371</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 Architect</p> <p>Pipes shall rest on solid ground and where necessary, pockets of sufficient size shall be properly performed or alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in semi-dry state immediately before pipes are laid</p> <p>Upvc pipes and fittings</p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed</p> <p>Copper pipes</p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class O (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 inner and outer formers. Capillary solder fittings shall comply with ISO 2016. Only compression shall be used in wells or in ground</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 largest end or branch is given. Should the contractor wish to use other fittings and brushes 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 given and no for extra brushes, reducers etc. will be entertained.</p>				
	Carried Forward				

**KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<p>Wire grating</p> <p>Descriptions of gutters etc. Shall be deemed to include wire ballon grattings.</p> <p>Excavations</p> <p>No claims for rock excavation will be entertained unless the contractor has timeously notified the Quantity Surveyor thereof prior backfilling</p> <p>Soft rock' and hard rock shall be defined in 'Earthworks'</p> <p>Laying, backfilling, bedding, etc of pipes</p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufactures' instructions.</p> <p>SABS 1200 L: Meium presssure pipelines LD:Sewers LE: Stormwater drainage</p> <p>Unless otherwise described bedding of rigid pipes shall be class B bedding</p> <p>Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary</p> <p>Stainless steel basins, sinks, wash troughs, urinals etc</p> <p><u>GUTTERS, DOWNPIPES, ETC</u></p> <p><u>0,6mm Galvanised sheet iron Class Z 275:</u></p>				
1	100 x 125mm Rectangular section eaves gutter with 20mm wide overlapping joints sealed with and including compressible sealing strip and rivetted at 20mm centres	m	16		
2	Extra for stopped end	No	4		
3	Extra for outlet with nozzle for and jointed to 75mm diameter galvanised sheet iron downpipe including galvanised wire balloon grating	No	4		
4	75mm Diameter rainwater downpipe with brackets fixed to brick wall or concrete	m	8		
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
5	Extra for shoe <u>SANITARY FITTINGS:</u> "Vaal" or similar approved	No	4		
6	Vaal sanitaryware klip white vitreous china low level washdown suite, comprising 104 degree outlet with enlarged pedestal (code 751200) and matching 9 litre front single flush cistern (code 710531) including lid and fittings with seat and standard grab rail for disabled persons	No	1		
7	Vaal sanitary Amber vitreous china lavatera basin colour white (code: 700303) size 510 x 440mm with one taphole including integrated overflow with chainstay hole to wall two 10mm bolts (code 8448200) and including Amber floor mounted pedestal and sealed with silicon sealant where basin meets wall	No	4		
8	Vaal' sanitaryware 415 x 275 x 315mm Flatback white vitreous wall mounted urinal (code: 705326) including 38mm chromium plated top inlet spreader (code: 854320), flush valve and flush pipe, fixed on and including two hanger brackets (code: 812720) <u>WASTE UNIONS, TRAPS, ETC.</u> <u>"Cobra" or similar approved</u>	No	2		
9	32mm No 303 CP Basin waste union	No	7		
10	Cobra' 360 chromium plated bottle trap 40 x 40mm <u>TAPS, VALVES, ETC</u>	No	5		
11	15mm No 058CP Extension piece	No	7		
12	15mm No 1003/125 RB Fullway gate valve	No	5		
13	15mm SE-952 Sink mixer coated with chrome plated finish cobra <u>SANITARY PLUMBING</u> <u>PVC pipes:</u>	No	4		
14	50mm Diameter pipes	m	8		
	Carried Forward				

**KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
15	110mm Diameter pipes in ground "under solid floors, etc.," including excavations not exceeding 1m deep, filling in and compacting	m	10		
	<u>Extra over PVC pipes for fittings:</u>				
16	110mm Bend	No	14		
17	50mm Access bend	No	5		
18	110mm Ditto	No	3		
19	110mm Pan connector	No	3		
	<u>(End of extras)</u>				
	<u>WATER SUPPLIES</u>				
	<u>Class "O" copper pipes</u>				
20	15mm Diameter pipes		6		
21	22mm Ditto		4		
	<u>Extra over Class "O" copper pipes for capillary fittings:</u>				
22	15mm Fittings	No	9		
23	22mm Ditto	No	7		
	<u>Fire appliance etc.:</u>				
24	4,5kg dry powder portable fire extinguisher on and including isolation valves, wrought Meranti backboard size 520 x 100 x 22mm thick plugged and screwed to wall and finished 2mm mild steel strip bent to form hook	No			
25	Fire hose reel complete with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket bolted to wall with and including expansion bolts	No	1		
	<u>SUNDRIES</u>				
26	Allow for connecting Water supply to existing services and making good where necessary	Item	1		
	Carried Forward				

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
27	<u>TESTING:</u> Provide all necessary apparatus, water, etc. For and test the whole of the Sanitary fittings and Water supply fittings to the satisfaction of the Project Manager and the Local Authority, rectify all defective work free of charge and leave in perfect order	Item	1		
Total Carried to Summary Page					

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO 14</u> <u>GLAZING</u> <u>PREAMBLES</u> For preambles refer to "Specification of Materials and Methods to be used", PW 371 <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Architect <u>Glass in steel fixed with putty</u> <u>4mm Clear float glass</u> 1 Panes exceeding 0,1 m ² and not exceeding 0,5 m ² m2 12 <u>4mm obscure glass</u> 2 Panes exceeding 0,1 m ² and not exceeding 0,5 m ² m2 18 <u>TOPS, SHELVES, DOORS, MIRRORS, ETC.</u> <u>5mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete:</u> 3 Mirror 380 x 600 mm high with four screws No 3				
Total Carried to Summary Page					

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO 15</u> <u>PAINTWORK</u> <u>PREAMBLES</u> For preambles refer to "Specification of Materials and Methods to be used" , PW 371 <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Architect <u>ON FACEBRICK</u> <u>PAINTWORK ETC TO NEW WORK</u> <u>PAINT ON PLASTER, ETC.</u> <u>Prepare and apply one coat universal undercoat and two full coats internal quality super acrylic PVA paint on:</u>				
1	Internal walls <u>One coat alkali resistant primer and two coats pure acrylic low sheen emulsion paint for exterior use</u>	m2	98		
2	On textured plastered external walls <u>ON PLASTER BOARD</u> <u>One coat alkali resistant primer and two coats super acrylic matt paint for internal use</u>	m2	106		
3	On internal ceilings <u>ON STEEL</u> <u>Prepare and apply one zinc chromate primer, one coat merit universal undrcoat and two full coats super universal enamel paint on:</u>	m2	96		
4	Door frames	m2	8		
5	Window frames	m2	3		
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	PAINT ON WOOD One coat wood primer, one galvogrip undercoat and 2 velvago coats paint				
6	On doors	m2	3		
	Prepare and apply one coat sand sealer and two full coats polyurethane suede vanish, lightly sanded down between coats on:				
7	Skirtings, rails, etc. Not exceeding 300mm girth	m	17		
	Total Carried to Summary Page				

**KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

	Section No.2				
	BUILDING WORK - ABLUTION BLOCKS				
Bill No	<u>SECTION SUMMAY - BUILDING WORK</u>				Amount
1	FOUNDATIONS				
2	CONCRETE, FORMWORK AND REINFORCEMENT				
3	MASONRY (PROVISIONAL)				
4	WATERPROOFING				
5	ROOF COVERING, ETC (PROVISIONAL)				
6	CARPENTRY AND JOINERY				
7	CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)				
8	FLOOR COVERING, WALL LINING, ETC				
9	IRONMONGERY (PROVISIONAL)				
10	METAL WORK				
11	PLASTERING				
12	TILING				
13	PLUMBING AND DRAINAGE (PROVISIONAL)				
14	GLAZING				
15	PAINTWORK				
	Carried to Final Summary				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
NUTRITION CENTRE					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO 5</u> <u>ROOF COVERING (PROVISIONAL)</u> <u>PREAMBLES</u> For preambles refer to "Specification of Materials and Methods to be used" , PW 371 The fixing recommendations of the manufacturer of the tiles used for the specific region and/or situation are to be incorporated as supplementary preambles <u>0.5mm thick galvanised steel IBR sheeting with chromadek finished to one side and protective primer coating on the reversed side fixed to timber or fixed to manufacture's detail and spec</u>				
1	Pitched roof not exceeding 50 degrees at ridge, eaves and verges <u>ROOF AND WALL INSULATION</u> <u>400mm micron marley undertile membrane with joints lapped 150mm</u>	m2	60		
2	Insulation taut over purlins (at approximately 1000mm centres) and fixed concurrent with roof covering	m2	60		
Total Carried to Summary Page					

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 6</u></p> <p><u>CARPENTRY AND JOINERY (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used" , PW 371</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 Architect</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes. All exposed edges shall be arised</p> <p><u>Fixing</u></p> <p>All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs in brickwork or concrete at not exceeding 600 mm centres, and where described as "bolted" the bolts have been given elsewhere</p> <p><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>References</u></p> <p>References in brackets at the end of descriptions refer to the Architect's schedules</p> <p><u>TIMBER</u></p> <p>All softwood to be South African Pine</p>				
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<p><u>DESCRIPTIONS</u></p> <p>The term "planted on" shall mean the nailing of one timber member to another</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another</p> <p>The term "screwed on and pelleted" shall mean the screwing of timber member to and including plastic plugs in brickwork or concrete with heads of screws sunk and pelleted</p> <p>Shelving, etc. Described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing</p> <p>Descriptions of floors, ceilings, joinery, etc. Shall be deemed to include for all square cutting</p> <p>Descriptions of items given in lineal metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. Shall be deemed to include for angles, ends, etc</p> <p>_____</p> <p><u>ROOF TRUSSES</u></p> <p><u>Design, fabricate, deliver to site and erect fabricated timber roof trusses complete, including bracing, webrunners (if required), truss hangers (if required), cleats, hurricane clips, purlins, wall plates, tile battens, tilting fillets, bracing frames, temporary supports and all sundry timbers, bolts, etc., and everything else necessary to complete the entire roof truss installation to the principal agents's approval</u></p> <p><u>The tenderer is required to submit a drawing to the Engineer for approval showing the position of roof ties, and submit a completed form of Indemnity prior to the erection of the trusses:</u></p> <p><u>All trusses etc. Are to be designed to carry "IBR ROOF COVERING" or similar Approved as per architect spec</u></p>				
1	Roof construction to hip pitched roof 56 m2 including trusses, jack rafters, hipped end, batterns and permanent bracing, etc. Measured flat for Nutrition or kitchen		49		
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<u>(End of roof construction timber)</u>				
	<u>FASCIAS AND BARGE BOARDS</u>				
	<u>Tempered fibre-cement</u>				
2	15 x 225mm Fascia board countersunk screwed to roof timbers (elsewhere) with two brass screws at maximum 1200mm centres and jointed with and including standard aluminium half round cover strips at all joints	m	70,2		
	<u>DOORS</u>				
	<u>Standard Hardboard interior light duty hollowcore flush door size 813 x 2032 x 40mm thickwith both stiles with exposed edges, manufactured in accordance with SANS 545:1989</u>				
3	Single Door	No	1		
4	Double Door type	No	1		
	<u>SKIRTINGS</u>				
	<u>Wrought Meranti:</u>				
5	13 x 75mm Skirting nailed to walls with heads of nails punched and filled including 19mm quadrant bead planted on at junction with floor	m	42		
	<u>New shelves as per architect specification</u>				
6	Built in cupboard standard size	No	2		
	Total Carried to Summary Page				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 7</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used" , PW 371</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 Architect</p> <p><u>Descriptions</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs in brickwork or concrete at not exceeding 600 mm centres, and where described as "bolted" the bolts have been given elsewhere</p> <p><u>CEILINGS</u></p> <p><u>Aerolite insulation or similar approved:</u></p> <p>1 50mm Insulation closely fitted and laid on top of bracing between roof timbers etc m2 50</p> <p><u>Plasterboard ceilings:</u></p> <p>2 Horizontal ceiling formed of 6,4mm thick x 1200mm wide boards with and including H-Type pressed steel jointing strips and 38 x 50mm sawn softwood bracing at 400mm centres in one direction and around edges where required for fixing cornices, securely spiked to roof timbers m2 50</p> <p><u>Coved Cornice:</u></p> <p>3 19 x 75mm Coved cornice nailed m 28</p> <p>4 600 x 600mm trap door No 1</p>				
Total Carried to Summary Page					

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 8</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used" , PW 371</p> <p><u>FLOOR COVERINGS, PLASTIC LININGS, ETC</u></p> <p>NOTE: The tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-000E) before pricing this bill</p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 130 for Haylett formula purposes</p> <p><u>300 x 300x 2mm thick fully flexible vinly tile laid on power float/ steel trowel floated slab in accordance with manufacturer spec</u></p>				
1	On floors	m2	50		
Total Carried to Summary Page					

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 9</u></p> <p><u>IRONMONGERY "(PROVISIONAL)"</u></p> <p><u>PREAMBLES</u> For preambles refer to "Specification of Materials and Methods to be used" , PW 371</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary items or materials</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Architect</p> <p><u>Finishes to ironmongery</u> Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list</p> <p>BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded</p> <p><u>Fixing</u> Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs in brickwork or concrete</p> <p><u>HINGES, BOLTS, ETC</u></p> <p><u>"Union" or similar approved</u></p>				
1	100 x 75 3mm brass butt hinges	No	6		
	<p><u>HANDLES</u></p> <p><u>"Union" or similar approved</u></p>				
2	"ASSA BLOY" Sandpiper handle on rose with stainless steel finish (Code: 6104-0655) including four lever upright lock (Code 2261-7655) with stainless steel forend, with anodised silver lock escutcheon (Code AL58RT-24AS)	No	2		
	<p><u>SUNDRIES</u></p>				
3	"UNION" aluminium door stop (Code: AL8730AS) with anodised silver finish, plugged & screwed to floor	No	2		
Total Carried to Summary Page					

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 10</u> <u>METALWORK (PROVISIONAL)</u> <u>PREAMBLES</u> For preambles refer to "Specification of Materials and Methods to be used" , PW 371 <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Architect <u>Descriptions</u> Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork of concrete Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described <u>WELDED SCREENS, GATES, ETC</u> <u>Screens and gates to courtyard walls</u> 1 Double gate 1600 x 2100mm high fitted with a pair of suitable hinges welded to post and lockable sliding bolt with keep in 50 x 50 angle iron frame welded to wall plates and pin hinges <u>1,2mm Cold rolled steel single rebate door frames suitable for half brick walls</u> 2 Frame for door size 813 x 2032mm high <u>1,2mm Cold rolled steel double rebate door frames suitable for one brick walls</u> 3 Frame for door size 1600 x 2100mm high for fire door <u>Standard residential windows</u> 4 Steel Window size 1445 x 900mm high cottage type E1 with B1 type burglar bars on opening sections 5 Steel Window size 987 x 900mm high cottage type E1 with B1 type burglar bars on opening sections 6 Steel Window size 511 x 900mm high cottage type E1 with B1 type burglar bars on opening sections				
Total Carried to Summary Page					

[illegible]

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO. 12</u></p> <p><u>TILING (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used", PW 371</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 Architect</p> <p><u>Descriptions</u></p> <p>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</p> <p><u>WALL TILING</u></p> <p><u>200 X 200 X 6.5mm Thick approved glazed ceramic wall tiles to plaster bedding and flush pointed with waterproof jointing compound:</u></p> <p>1 On splash back walls m2 10</p> <p><u>300 x 300 x 8mm Thick approved non-slip ceramic tiles fixed with adhesive to plaster:</u></p> <p>2 On floors with continuous joints in both directions m2 15</p> <p><u>Vinyl Tile:</u></p> <p>3 2mm Semi-Vinyl floor tiles size 300 x 300mm laid on cement screed (elsewhere) on floor and in door openings, two coat floor dressing as recommended by the manufacturer on the floor dressing as recommended by the manufacturer on the floor coverings m2 50</p>				
Total Carried to Summary Page					

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO. 13</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used", PW 371</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 Architect</p> <p>Pipes shall rest on solid ground and where necessary, pockets of sufficient size shall be properly performed or alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in semi-dry state immediately before pipes are laid</p> <p>Upvc pipes and fittings</p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed</p> <p>Copper pipes</p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), Class 2 (half hard) and class 3 (heavy walled half-hard) pipes shall only be bent with inner and outer formers. Capillary solder fittings shall comply with ISO 2016. Only compression shall be used in walls or in ground</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 largest end or branch is given. Should the contractor wish to use other fittings and brushes 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 given and no for extra brushes, reducers etc. will be entertained.</p> <p>Wire grating</p> <p>Descriptions of gutters etc. Shall be deemed to include wire ballon gratings.</p>				
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<p>Excavations</p> <p>No claims for rock excavation will be entertained unless the contractor has timeously notified the Quantity Surveyor thereof prior backfilling</p> <p>Soft rock' and hard rock shall be defined in 'Earthworks'</p> <p>Laying, backfilling, bedding, etc of pipes</p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufactures' instructions.</p> <p>SABS 1200 L: Medium pressure pipelines LD: Sewers LE: Stormwater drainage</p> <p>Unless otherwise described bedding of rigid pipes shall be class B bedding</p> <p>Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary</p> <p>Stainless steel basins, sinks, wash troughs, urinals etc</p> <p><u>GUTTERS, DOWNPIPES, ETC</u></p> <p><u>0,6mm Galvanised sheet iron Class Z 275:</u></p>				
1	100 x 125mm Rectangular section eaves gutter with 20mm wide overlapping joints sealed with and including compressible sealing strip and rivetted at 20mm centres	m	25		
2	Extra for stopped end	No	4		
3	Extra for outlet with nozzle for and jointed to 75mm diameter galvanised sheet iron downpipe including galvanised wire balloon grating	No	4		
4	75mm Diameter rainwater downpipe with brackets fixed to brick wall or concrete	m	10		
5	Extra for shoe	No	4		
	<p><u>SANITARY FITTINGS:</u></p> <p>"Stainless steel " or similar approved</p>				
6	Double bowl kitchen sink	No			
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<u>WASTE UNIONS, TRAPS, ETC.</u>				
	<u>"Cobra" or similar approved</u>				
7	32mm No 303 CP kitchen sink waste union	No	2		
	<u>TAPS, VALVES, ETC</u>				
8	15mm No 058CP Extension piece	No	2		
9	15mm No 1003/125 RB Fullway gate valve	No	1		
10	15mm SE-952 Sink mixer coated with chrome plated finish cobra	No	1		
	<u>SANITARY PLUMBING</u>				
	<u>PVC pipes:</u>				
11	50mm Diameter pipes	m	4		
12	110mm Diameter pipes in ground "under solid floors, etc.," including excavations not exceeding 1m deep, filling in and compacting	m	3		
	<u>Extra over PVC pipes for fittings:</u>				
13	110mm Bend	No	1		
14	50mm Access bend	No	1		
15	110mm Ditto	No	1		
	<u>(End of extras)</u>				
	<u>WATER SUPPLIES</u>				
	<u>Class "O" copper pipes</u>				
16	15mm Diameter pipes	m	6		
17	22mm Ditto	m	5		
	<u>Extra over Class "O" copper pipes for capillary fittings:</u>				
18	15mm Fittings	No	5		
19	22mm Ditto	No	5		
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<u>Fire appliance etc.:</u>				
20	4,5kg dry powder portable fire extinguisher on and including isolation valves, wrought Meranti backboard size 520 x 100 x 22mm thick plugged and screwed to wall and finished 2mm mild steel strip bent to form hook	No	1		
21	Fire hose reel complete with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket bolted to wall with and including expansion bolts	No	1		
	<u>ELECTRICAL GEYSERS</u>				
22	Supply, install and connect 'Kwikot' or equal approved 150 litre, 3kW Sinkot geyser unit with pressure control and expansion valve, vacuum release valve with and including safety valve and pressure control expansion valve piping and drain piping	No	1		
23	PB1 10RB Vacuum breaker	No	1		
24	PA1 1RB 400kPa pressure reducing valve	No	1		
25	400Kpa T & P safety valve	No	1		
	<u>SUNDRIES</u>				
26	Allow for connecting Water supply to existing services and making good where necessary		Item		
	<u>TESTING:</u>				
27	Provide all necessary apparatus, water, etc. For and test the whole of the Sanitary fittings and Water supply fittings to the satisfaction of the Project Manager and the Local Authority, rectify all defective work free of charge and leave in perfect order		Item		
	Total Carried to Summary Page				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO 14</u> <u>GLAZING (PROVISIONAL)</u> <u>PREAMBLES</u> For preambles refer to "Specification of Materials and Methods to be used" , PW 371 <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Architect <u>Glass in steel fixed with putty</u> <u>4mm Clear float glass</u>				
1	Panes exceeding 0,1 m ² and not exceeding 0,5 m ² <u>4mm obscure glass</u>	m2	10		
2	Panes exceeding 0,1 m ² and not exceeding 0,5 m ² <u>TOPS, SHELVES, DOORS, MIRRORS, ETC.</u> <u>5mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete:</u>	m2	2		
3	Mirror 380 x 600 mm high with four screws	No	1		
Total Carried to Summary Page					

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO 15</u> <u>PAINTWORK (PROVISIONAL)</u> <u>PREAMBLES</u> For preambles refer to "Specification of Materials and Methods to be used" , PW 371 <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Architect <u>ON FACEBRICK</u> <u>PAINTWORK ETC TO NEW WORK</u> <u>PAINT ON PLASTER, ETC.</u> <u>Prepare and apply one coat universal undercoat and two full coats internal quality super acrylic PVA paint on:</u>				
1	Internal walls	m2	60		
2	On internal ceilings and beams	m2	50		
	<u>One coat alkali resistant primer and two coats pure acrylic low sheen emulsion paint for exterior use</u>				
3	On textured plastered external walls	m2	50		
	<u>ON PLASTER BOARD</u> <u>One coat alkali resistant primer and two coats super acrylic matt paint for internal use</u>				
4	On internal ceilings	m2	50		
	<u>ON PLASTER BOARD</u> <u>One coat alkali resistant primer and two coats super acrylic matt paint for internal use</u>				
5	On internal ceilings	m2	50		
	<u>ON STEEL</u>				
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

[illegible]

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ST. BRIGID CECILIAN PRIMARY SCHOOL					
Bill No	Section No.2 BUILDING WORK - NUTRITION CENTRE				Amount
	<u>SECTION SUMMARY - BUILDING WORK</u>				
5	ROOF COVERING, ETC (PROVISIONAL)				
6	CARPENTRY AND JOINERY				
7	CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)				
8	FLOOR COVERING, WALL LINING, ETC				
9	IRONMONGERY (PROVISIONAL)				
10	METAL WORK				
11	PLASTERING				
12	TILING				
13	PLUMBING AND DRAINAGE (PROVISIONAL)				
14	GLAZING				
15	PAINTWORK				
Carried to Final Summary					

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
ADMIN BLOCK					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO 1</u> <u>FOUNDATIONS (PROVISIONAL)</u> <u>PREAMBLES</u> For preambles refer to "Specification of Materials and Methods to be used" , PW 371 <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 ETC</u> <u>Site clearance</u>				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush,	m2	130		
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	130		
	<u>EXCAVATION, FILLING, ETC</u> <u>Excavation in earth not exceeding 2m deep</u>				
3	Trenches	m3	21		
	<u>Extra over trench and hole excavations in earth for excavation in</u>				
4	Soft rock	m3	6		
5	Hard rock	m3	3		
	<u>Extra over all excavations for carting away</u>				
6	Extra over all excavations for carting away surplus material from excavations and/or from stockpiles on site to a dumping site to be located by the Contractor	m3	20		
	<u>Risk of collapse of excavation</u>				
7	Sides of trench excavations not exceeding 1,5m deep	m2	99		
	<u>Keeping excavations free of water</u>				
8	Keeping excavations free of all water	Item	1		
	<u>Earth filling material supplied by the contractor compacted to 90% Mod AASHTO density</u>				
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
9	Under floors, steps, pavings, etc	m3	14		
10	Backfilling to trenches, holes, etc	m3	8		
	<u>Course river sand filling supplied by the contractor</u>				
11	25mm Thick dry, clean, washed river sand layer evenly spread over filling (elsewhere), levelled, watered and rammed to receive waterproof membrane (elsewhere) under solid floors	m2	120		
	<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 93% Mod AASHTO density	m2	120		
	<u>Tests:</u>				
13	Tests to determine the degree of compaction, etc. of ground or filling	No	2		
	<u>SOIL POISONING</u>				
	<u>Soil insecticide executed by a specialist insecticide company</u>				
14	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	120		
15	To bottoms and sides of trenches etc.	m2	38		
	<u>UNREINFORCED CONCRETE</u>				
	<u>15Mpa/19mm concrete cast against excavated surfaces</u>				
16	Blinding layer	m3	24		
	<u>REINFORCED CONCRETE</u>				
	<u>25Mpa/19mm concrete cast against excavated surfaces</u>				
17	Strip footings	m3	16		
	<u>TEST</u>				
18	Allow for preparing a set of three concrete strngth test cubes, each size 150 x 150 x150mm, sending them to an approved Testing Laboratory for testing and paying all charges in connection therewith.	Sets	2		
	Carried Forward				

[illegible]

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 2</u></p> <p><u>FOUNDATIONS (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used", PW 371</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 Architect</p> <p><u>Cost of tests</u></p> <p>The cost of making, storing and testing of concrete test cubes as required shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)</p> <p><u>CONCRETE</u></p> <p><u>Test cubes:</u></p> <p>1 Prepare set of three 150 x 150 x 150mm concrete strength test cubes, label and send to an approved laboratory for testing, pay all charges and submit report to the Client Representative. Only successful tests will be paid for.</p> <p><u>REINFORCED CONCRETE</u></p> <p><u>30Mpa/19mm concrete</u></p> <p>2 In surface beds</p> <p><u>Sundries:</u></p> <p>3 Finish top surface of concrete slabs, etc. To a smooth and even wood floated surface including additional dry sand/cement mixture added as necessary whilst the concrete is still wet</p> <p><u>SMOOTH FORMWORK (DEGREE OF ACCURACY III)</u></p> <p><u>Smooth formwork to:</u></p> <p>4 Soffit of slabs</p> <p><u>REINFORCEMENT</u></p> <p><u>Mesh reinforcement</u></p>				
	Carried Forward				

[illegible]

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO 3</u> <u>MASONRY (PROVISIONAL)</u> <u>PREAMBLES</u> For preambles refer to "Specification of Materials and Methods to be used", PW 371 <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Architect <u>Mortar mixing</u> All mortar to be mixed by manual operations. <u>BRICKWORK</u> <u>SUPERSTRUCTURE</u>				
1	Half-brick wall	m2	82		
2	One brick wall	m2	102		
3	One brickwalls in gables	m2	22		
4	One brickwalls above wall plate level	m2	5		
5	One brickwalls above walls in beamfilling	m2	12		
	<u>Brickwork reinforcement</u>				
6	75mm Wide reinforcement built in horizontally	m	258		
7	150mm Wide reinforcement built in horizontally	m	411		
	<u>TEMPORARY TURNING PIECES, ETC:</u>				
8	To flat brick lintels not exceeding 300mm wide	m	22		
	<u>FACE BRICKWORK</u>				
	<u>Face bricks (Purchase price of R 3200,00/1000 delivered to site excluding VAT) pointed with recessed horizontal and vertical joints</u>				
9	Extra over brickwork for face brickwork	m2	102		
10	Extra over brickwork for brick-on-edge header course lintel	m	58		
11	Window sill set sloping and slightly protection outside jointed and pointed in all exposed surfaces incl all necessary	m	58		
	Total Carried to Summary Page				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO 4</u> <u>WATERPROOFING (PROVISIONAL)</u> <u>PREAMBLES</u> For preambles refer to "Specification of Materials and Methods to be used", PW 371 <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Architect <u>DAMP - PROOFING TO WALLS</u> <u>One layer of 375 micron embossed damp proof course:</u> 1 To wall, cills, etc (measured net) m2 30 <u>DAMP PROOFING UNDER FLOORS, ETC.</u> <u>250 Green micron medium density sheeting complying with SABS 952, Type C in widest practicable width with all joints lapped and sealed in accordance with the manufacture's instructions:</u> 2 Under solid floors m2 120				
Total Carried to Summary Page					

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 5</u></p> <p><u>ROOF COVERING (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used", PW 371</p> <p>The fixing recommendations of the manufacturer of the tiles used for the specific region and/or situation are to be incorporated as supplementary preambles</p> <p><u>0.5mm thick galvanised steel IBR sheeting with chromadek finished to one side and protective primer coating on the reversed side fixed to timber or fixed to manufacture's detail and spec</u></p>				
1	<p>Pitched roof not exceeding 50 degrees at ridge, eaves and verges</p> <p><u>ROOF AND WALL INSULATION</u></p> <p><u>400mm micron marley undertile membrane with joints lapped 150mm</u></p>	m2	108		
2	<p>Insulation taut over purlins (at approximately 1000mm centres) and fixed concurrent with roof covering</p>	m2	102		
Total Carried to Summary Page					

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 6</u></p> <p><u>CARPENTRY AND JOINERY (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used" , PW 371</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 Architect</p> <p><u>Joinery</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes. All exposed edges shall be arised rounded</p> <p><u>Fixing</u></p> <p>All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used</p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs in brickwork or concrete at not exceeding 600 mmm centres, and where described as "bolted" the bolts have been given elsewhere</p> <p><u>Decorative laminate finish</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p> <p><u>References</u></p> <p>References in brackets at the end of descriptions refer to the Architect's schedules</p> <p><u>TIMBER</u></p> <p>All softwood to be South African Pine</p>				
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<p><u>DESCRIPTIONS</u></p> <p>The term "planted on" shall mean the nailing of one timber member to another</p> <p>The term "screwed on" shall mean the countersunk screwing of one timber member to another</p> <p>The term "screwed on and pelleted" shall mean the screwing of timber member to and including plastic plugs in brickwork or concrete with heads of screws sunk and pelleted</p> <p>Shelving, etc. Described as screwed to steel must be fixed from underside and prices are to include for countersunk drilling through the steel for screw fixing</p> <p>Descriptions of floors, ceilings, joinery, etc. Shall be deemed to include for all square cutting</p> <p>Descriptions of items given in lineal metre shall be deemed to include for mitres, stopped ends, fitted intersections, etc</p> <p>Descriptions of rounded angles, rebates, grooves, chamfers, moulded edges, etc. Shall be deemed to include for angles, ends, etc</p> <p>_____</p> <p><u>ROOF TRUSSES</u></p> <p><u>Design, fabricate, deliver to site and erect fabricated timber roof trusses complete, including bracing, webrunners (if required), truss hangers (if required), cleats, hurricane clips, purlins, wall plates, tile battens, tilting fillets, bracing frames, temporary supports and all sundry timbers, bolts, etc., and everything else necessary to complete the entire roof truss installation to the principal agents's approval</u></p> <p><u>The tenderer is required to submit a drawing to the Engineer for approval showing the position of roof ties, and submit a completed form of Indemnity prior to the erection of the trusses:</u></p> <p><u>All trusses etc. Are to be designed to carry "IBR ROOF COVERING" or similar Approved as per architect spec</u></p>				
1	<p>Roof construction to hip pitch roof 120 m2 including trusses, jack rafters, hipped end, battens and permanent bracing, etc. Measured flat for Admin block</p> <p><u>(End of roof construction timber)</u></p>	m2	120		
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<u>FASCIAS AND BARGE BOARDS</u>				
	<u>Tempered fibre-cement</u>				
2	15 x 225mm Fascia board countersunk screwed to roof timbers (elsewhere) with two brass screws at maximum 1200mm centres and jointed with and including standard aluminium half round cover strips at all joints	m	28		
	<u>DOORS</u>				
	<u>Standard Hardboard interior light duty hollowcore flush door size 813 x 2032 x 40mm thick with both stiles with exposed edges, manufactured in accordance with SANS 545:1989</u>				
3	Door	No	3		
4	Double Door	No	1		
	<u>ADA Fire doors Class B, 2 hour fire rated</u>				
5	Swartland Winsters PD1/PB framed, ledged, braced and battened ply back hardwood door, overall size 813 x 2032mm high D-1	No	1		
	<u>SKIRTINGS</u>				
	<u>Wrought Meranti:</u>				
6	19 x 76mm Skirting nailed to walls with heads of nails punched and filled including 19mm quadrant bead planted on at junction with floor	m	30		
	<u>New shelves as per architect specification</u>				
7	Built in cupboard standard size	No	6		
8	28mm melamine shelves	No	6		
9	White boards as per architect spec	No	4		
10	Pin board as per architect spe	No	4		
	Total Carried to Summary Page				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 7</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used" , PW 371</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 Architect</p> <p><u>Descriptions</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs in brickwork or concrete at not exceeding 600 mm centres, and where described as "bolted" the bolts have been given elsewhere</p> <p><u>CEILINGS</u></p> <p><u>Aerolite insulation or similar approved:</u></p> <p>1 50mm Insulation closely fitted and laid on top of bracker between roof timbers etc m2 120</p> <p><u>Plasterboard ceilings:</u></p> <p>2 Horizontal ceiling formed of 6,4mm thick x 1200mm wide boards with and including H-Type pressed steel jointing strips and 38 x 50mm sawn softwood bracker at 400mm centres in one direction and around edges where required for fixing cornices, securely spiked to roof timbers m2 120</p> <p><u>Coved Cornice:</u></p> <p>3 19 x 75mm Coved cornice nailed m 30</p> <p>4 600 x 600mm trap door No 1</p>				
Total Carried to Summary Page					

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 8</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used" , PW 371</p> <p><u>FLOOR COVERINGS, PLASTIC LININGS, ETC</u></p> <p>NOTE: The tenderers are advised to study the "Specification of Materials and Methods to be used" (OOG-000E) before pricing this bill</p> <p>NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to fall into Work Group No 130 for Haylett formula</p> <p><u>300 x 300x 2mm thick fully flexible vinyl tile laid on power float/ steel trowel floated slab in accordance with manufacturer spec</u></p>				
55	On floors	m2	120		
Total Carried to Summary Page					

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 9</u></p> <p><u>IRONMONGERY "(PROVISIONAL)"</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used" , PW 371</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 Architect</p> <p><u>Finishes to ironmongery</u></p> <p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list</p> <p>BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded</p> <p><u>Fixing</u></p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs in brickwork or concrete</p> <p><u>HINGES, BOLTS, ETC</u></p> <p><u>"Union" or similar approved</u></p>				
56	100 x 75 3mm brass butt hinges	No	9		
	<p><u>HANDLES</u></p> <p><u>"Union" or similar approved</u></p>				
57	"ASSA BLOY" Sandpiper handle on rose with stainless steel finish (Code: 6104-0655) including four lever upright lock (Code 2261-7655) with stainless steel forend, with anodise silver lock escutcheon (Code AL58RT-24AS)	No	9		
	<p><u>SUNDRIES</u></p>				
63	"UNION" aluminium door stop (Code: AL8730AS) with anodised silver finish, plugged & screwed to floor	No	2		
Total Carried to Summary Page					

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO. 10</u></p> <p><u>METALWORK (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used", PW 371</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 Architect</p> <p><u>Descriptions</u></p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p><u>WELDED SCREENS, GATES, ETC</u></p> <p><u>Screens and gates to courtyard walls</u></p>				
64	Single gate 1000 x 2100mm high fitted with a pair of suitable hinges welded to post and lockable sliding bolt with keep in 50 x 50 angle iron frame welded to wall plates and pin hinges		1		
65	Frame for door size 813 x 2032mm high	No	3		
	<u>1.2mm Cold rolled steel double rebate door frames suitable for one brick walls</u>				
66	Frame for door size 1600 x 2100mm high for fire door	No			
	<u>Standard residential windows</u>				
67	Steel Window size 1445 x 900mm high cottage type E1 with B1 type burglar bars on opening sections	No	4		
68	Steel Window size 987 x 900mm high cottage type E1 with B1 type burglar bars on opening sections	No	2		
69	Steel Window size 511 x 900mm high cottage type E1 with B1 type burglar bars on opening sections	No	1		
Total Carried to Summary Page					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	BILL NO. 11 PLASTERING (PROVISIONAL) PREAMBLES For preambles refer to "Specification of Materials and Methods to be used" , PW 371 <u>Trade Names</u> For trade names refer to item B1.8 of the preliminaries <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Architect <u>SCREEDS</u> <u>Cement plaster screeds steel trowelled on concrete:</u>				
1	70mm screed set sloping	m2	20		
2	25mm Thick on floors suitable to receive tile finish	m2	72		
	<u>INTERNAL PLASTER</u> <u>One coat (3:1) cement plaster on brickwork finished to a smooth and even steel trowelled surface:</u>				
3	On walls	m2	72		
4	On narrow width	m2	9		
	<u>EXTERNAL PLASTER</u> <u>One coat 3:1 textured cement plaster on brick walls</u>				
5	On walls	m2	98		
6	On narrow width	m2	24		
	Total Carried to Summary Page				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO. 12</u></p> <p><u>TILING (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used", PW 371</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 Architect</p> <p><u>Descriptions</u></p> <p>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</p> <p><u>WALL TILING</u></p> <p><u>200 X 200 X 6.5mm Thick approved glazed ceramic wall tiles to plaster bedding and flush pointed with waterproof jointing compound:</u></p>				
1	<p>On walls</p> <p><u>300 x 300 x 8mm Thick approved non-slip ceramic tiles fixed with adhesive to plaster:</u></p>	m2	10		
2	<p>On floors with continuous joints in both directions</p> <p><u>Vinyl Tile:</u></p>				
3	<p>2mm Semi-Vinyl floor tiles size 300 x 300mm laid on cement screed (elsewhere) on floor and in door openings, two coat floor dressing as recommended by the manufacturer on the floor dressing as recommended by the manufacturer on the floor coverings</p>	m2	120		
Total Carried to Summary Page					

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO. 13</u></p> <p><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used", PW 371</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 Architect</p> <p>Pipes shall rest on solid ground and where necessary, pockets of sufficient size shall be properly performed or alternatively, pipes shall be bedded full length on and including unreinforced concrete laid in semi-dry state immediately before pipes are laid</p> <p>Upvc pipes and fittings</p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings</p> <p>Soil, waste and vent pipes and fittings shall be solvent weld jointed</p> <p>Copper pipes</p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), Class 2 (half hard) and class 3 (heavy walled half-hard) pipes shall only be bent with inner and outer formers. Capillary solder fittings shall comply with ISO 2016. Only compression shall be used in walls or in ground</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 largest end or branch is given. Should the contractor wish to use other fittings and brushes 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 given and no for extra brushes, reducers etc. will be entertained.</p> <p>Wire grating</p> <p>Descriptions of gutters etc. Shall be deemed to include wire ballon gratings.</p> <p>Excavations</p> <p>No claims for rock excavation will be entertained unless the contractor has timeously notified the Quantity Surveyor thereof prior backfilling</p>				
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	Soft rock' and hard rock shall be defined in 'Earthworks'				
	Laying, backfilling, bedding, etc of pipes				
	Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufactures'				
	SABS 1200				
	L: Medium pressure pipelines				
	LD: Sewers				
	LE: Stormwater drainage				
	Unless otherwise described bedding of rigid pipes shall be class B bedding				
	Flush pans shall have straight or side outlets and 'P' or 'S' traps as necessary				
	Stainless steel basins, sinks, wash troughs, urinals etc				
	<u>GUTTERS, DOWNPIPES, ETC</u>				
	<u>0,6mm Galvanised sheet iron Class Z 275:</u>				
1	100 x 125mm Rectangular section eaves gutter with 20mm wide overlapping joints sealed with and including compressible sealing strip and rivetted at 20mm centres	m	33		
2	Extra for stopped end	No	4		
3	Extra for outlet with nozzle for and jointed to 75mm diameter galvanised sheet iron downpipe including galvanised wire balloon grating	No	4		
4	75mm Diameter rainwater downpipe with brackets fixed to brick wall or concrete	m	10		
5	Extra for shoe	No	4		
	<u>SANITARY FITTINGS:</u>				
	"Vaal" or similar approved				
6	Vaal sanitary Amber vitreous china lavatera basin colour white (code: 700303) size 510 x 440mm with one taphole including integrated overflow with chainstay hole to wall two 10mm bolts (code 8448200) and including Amber floor mounted pedestal and sealed with silicon sealant where basin meets wall	No	1		
7	Vaal' sanitaryware 415 x 275 x 315mm Flatback white vitreous wall mounted urinal (code: 705326) including 38mm chromium plated top inlet spreader (code: 854320), flush valve and flush pipe, fixed on and including two hanger brackets (code: 812720)		1		
	Carried Forward				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
Brought Forward					
8	Vaal sanitaryware klip white vitreous china low level washdown suite, comprising 104 degree outlet with enlarged pedestal (code 751200) and matching 9 litre front single flush cistern (code 710531) including lid and fittings with seat and standard grab rail for disabled persons		1		
	<u>WASTE UNIONS, TRAPS, ETC.</u>				
	<u>"Cobra" or similar approved</u>				
9	32mm No 303 CP Basin waste union	No	2		
10	Cobra' 360 chromium plated bottle trap 40 x 40mm	No	2		
	<u>TAPS, VALVES, ETC</u>				
11	15mm No 058CP Extension piece	No	3		
12	15mm No 1003/125 RB Fullway gate valve	No	2		
13	15mm SE-952 Sink mixer coated with chrome plated finish cobra	No	1		
	<u>SANITARY PLUMBING</u>				
	<u>PVC pipes:</u>				
14	50mm Diameter pipes	m	15		
15	110mm Diameter pipes in ground "under solid floors, etc.," including excavations not exceeding 1m deep, filling in and compacting	m	10		
	<u>Extra over PVC pipes for fittings:</u>				
16	110mm Bend	No	2		
17	50mm Access bend	No	2		
18	110mm Ditto	No	2		
19	110mm Pan connector	No	1		
	<u>(End of extras)</u>				
	<u>WATER SUPPLIES</u>				
	<u>Class "O" copper pipes</u>				
20	15mm Diameter pipes	m	12		
21	22mm Ditto	m	10		
Carried Forward					

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<u>Extra over Class "O" copper pipes for capillary fittings:</u>				
22	15mm Fittings	No	10		
23	22mm Ditto	No	10		
	<u>Fire appliance etc.:</u>				
24	4,5kg dry powder portable fire extinguisher on and including isolation valves, wrought Meranti backboard size 520 x 100 x 22mm thick plugged and screwed to wall and finished 2mm mild steel strip bent to form hook	No	1		
25	Fire hose reel complete with 30m rubber hose, chromium plated stopcock, shut-off nozzle and wall bracket bolted to wall with and including expansion bolts	No	1		
	<u>ELECTRICAL GEYSERS</u>				
26	Supply, install and connect 'Kwikot' or equal approved 150 litre, 3kW Sinkot geyser unit with pressure control and expansion valve, vacuum release valve with and including safety valve and pressure control expansion valve piping and drain piping	No	1		
27	PB1 10RB Vacuum breaker	No	1		
28	PA1 1RB 400kPa pressure reducing valve	No	1		
29	400Kpa T & P safety valve	No	1		
	<u>SUNDRIES</u>				
30	Allow for connecting Water supply to existing services and making good where necessary	Item	1		
	<u>TESTING:</u>				
31	Provide all necessary apparatus, water, etc. For and test the whole of the Sanitary fittings and Water supply fittings to the satisfaction of the Project Manager and the Local Authority, rectify all defective work free of charge and leave in perfect order	Item	1		
	Total Carried to Summary Page				

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO 14</u></p> <p><u>GLAZING (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For preambles refer to "Specification of Materials and Methods to be used", PW 371</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 Architect</p> <p><u>Glass in steel fixed with putty</u></p> <p><u>4mm Clear float glass</u></p>				
1	<p>Panes exceeding 0,1 m² and not exceeding 0,5 m²</p> <p><u>4mm obscure glass</u></p>	m2	20		
2	<p>Panes exceeding 0,1 m² and not exceeding 0,5 m²</p> <p><u>TOPS, SHELVES, DOORS, MIRRORS, ETC.</u></p> <p><u>5mm Silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork or concrete:</u></p>	m2	5		
3	<p>Mirror 380 x 600 mm high with four screws</p>	No	2		
Total Carried to Summary Page					

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO 15</u> <u>PAINTWORK (PROVISIONAL)</u> <u>PREAMBLES</u> For preambles refer to "Specification of Materials and Methods to be used", PW 371 <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary items or materials</u> Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Architect <u>ON FACEBRICK</u> <u>PAINTWORK ETC TO NEW WORK</u> <u>PAINT ON PLASTER, ETC.</u> <u>Prepare and apply one coat universal undercoat and two full coats internal quality super acrylic PVA paint on:</u>				
1	Internal walls	m2	72		
2	On internal ceilings and beams	m2	120		
	<u>One coat alkali resistant primer and two coats pure acrylic low sheen emulsion paint for exterior use</u>				
3	On textured plastered external walls	m2	120		
	<u>ON PLASTER BOARD</u> <u>One coat alkali resistant primer and two coats super acrylic matt paint for internal use</u>				
4	On internal ceilings	m2	120		
	<u>ON STEEL</u> <u>Prepare and apply one zinc chromate primer, one coat merit universal undercoat and two full coats super universal enamel paint on:</u>				
5	Door frames	m2	11		
6	Window frames	m2	10		
	<u>PAINT ON WOOD</u> <u>One coat wood primer, one galvogrip undercoat and 2 velvaco coats paint</u>				
	Carried Forward				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

[illegible]

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

	Section No.2 BUILDING WORK				
Bill No	<u>SECTION SUMMAY - BUILDING WORK</u>				Amount
1	FOUNDATIONS				
2	CONCRETE, FORMWORK AND REINFORCEMENT				
3	MASONRY (PROVISIONAL)				
4	WATERPROOFING				
5	ROOF COVERING, ETC (PROVISIONAL)				
6	CARPENTRY AND JOINERY				
7	CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)				
8	FLOOR COVERING, WALL LINING, ETC				
9	IRONMONGERY (PROVISIONAL)				
10	METAL WORK				
11	PLASTERING				
12	TILING				
13	PLUMBING AND DRAINAGE (PROVISIONAL)				
14	GLAZING				
15	PAINTWORK				
	Carried to Final Summary				

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

EXTERNAL WORKS					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	SEPTIC TANK <u>BILL NO 1</u> <u>STANDARD PREAMBLES</u> The contractor is referred to the Model Preambles for Trades (2008 edition) as issued the Association of South African Quantity Surveyors before pricing <u>SITE CLEARANCE ETC</u>				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m ²	60		
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m ²	60		
	<u>EARTHWORKS</u> <u>BULK EXCAVATION, FILLING, ETC</u> <u>Excavation in earth not exceeding 2m deep</u>				
3	Holes	m ³	98		
	<u>Extra over bulk excavation in earth for excavation in</u>				
4	Soft rock	m ³	10		
5	Hard rock	m ³	5		
	<u>Extra over all excavations for carting away</u>				
6	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the	m ³	98		
	<u>Risk of collapse of excavations</u>				
7	Sides of bulk excavations exceeding 1,5m deep	m ²	62		
	<u>Keeping excavations free of water</u>				
8	Keeping excavations free of all water other than subterranean water	Item	1		
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
	Carried Forward				

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
	<u>20MPa/20mm concrete</u>				
9	Surface blinding under surface beds	m3	2		
	<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
	<u>25MPa/20mm concrete</u>				
10	Surface beds	m3	5		
	<u>30MPa/20mm concrete</u>				
11	Slabs including beams and inverted beams	m3	5		
	<u>TEST BLOCKS</u>				
12	Making and testing 150 x 150 x 150mm concrete strength test cube	No	4		
	<u>CONCRETE SUNDRIES</u>				
	<u>Finishing top surfaces of concrete smooth with a steel trowel</u>				
13	Surface beds, slabs, etc	m2	27		
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>				
	<u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u>				
	<u>Smooth formwork to sides</u>				
14	Edges, risers, ends and reveals not exceeding 300mm high or wide	m	23		
	<u>Rough formwork to soffits</u>				
15	Slabs propped up exceeding 2m and not exceeding 2m high	m2	22		
	<u>REINFORCEMENT (PROVISIONAL)</u>				
	<u>Fabric reinforcement</u>				
16	Type 395 fabric reinforcement in concrete surface beds, slabs, etc	m ²	116		
	Carried Forward				

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<u>MASONRY</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>BRICKWORK</u>				
	<u>Sizes in descriptions</u>				
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick				
	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class 1 mortar</u>				
17	One brick walls	m2	61		
	<u>Bagging of 1:3 cement and sand mixture</u>				
18	On brick walls	m2	69		
	<u>Brickwork reinforcement</u>				
19	150mm Wide reinforcement built in horizontally	m	727		
	<u>WATERPROOFING</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Waterproofing</u>				
	Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even fall 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>Two coats "Flintkote Type 5" bitumen emulsion waterproof coating</u>				
20	On bagged brick walls m2 51	m2	51		
	<u>Plumbing and Drainage</u>				
21	110mm Pipes	m	300		
	<u>Manholes</u>				
22	600 x 600mm x 82kg Cast iron double seal manhole cover and frame	No	2		
	<u>French Drain</u>				
23	French drain 750 x1600mm deep including excavation, 110mm perforated PVC pipe, gravel encasement and back fill.	m	20		
	Total Carried to Summary Page				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BOUNDARY FENCING</u></p> <p><u>BILL NO 2</u></p> <p><u>(JBCC CPAP WORK GROUP NO. 152 UNLESS OTHERWISE STATED)</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the relevant Clauses in a separate document Model Preambles for Trades (199 Edition) and to the Supplementary Preambles.</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 Architect</p> <p>Where the value is of significance, the removal of hedges etc shall be given separately in meters or in number</p> <p><u>SITE CLEARANCE ETC</u></p>				
1	Digging up and removing rubbish, debris, vegetation, hedges etc shall be given separately in metres or in number	m2	697		
2	Stripping avrage 150mm thick layer of top soil and stockpiling on site	m2	697		
	<u>EXCAVATION, FILLING ETC OTHER THAN BULK</u>				
	<u>Excavation in earth not exceeding 2m deep</u>				
3	Trenches				
4	Holes including working around piles	m3	346		
	<u>Extra over trench and hole excavations in earth for excavation in</u>				
5	Soft rock	m3	104		
6	Hard rock	m3	138		
7	Keeping excavations free of all water	Item	1		
	Carried Forward				

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
	<u>METALWORK</u>				
	POSTS				
8	Galvanized posts 2.4 x 100 x 2m + 600m O/H (30m Centre to Centre)	No	28		
	GATE POSTS				
9	Galvanized Gate Posts 2.4 x 100 x 2m + 600 O/H	No	2		
	STAYS				
10	Galvanized stays 2.4 x 50 x 2m	No	58		
	STANDARDS				
11	Y-Standard, 2450mm + 600m O/H (3M Centre to Centre)	No	251		
	STRAINING WIRE				
12	Plain Galvanized Wire, 3.15 NR 10, FG (3 Strands)	m	712		
	BINDING WIRE				
13	Plain Galvanized Wire, 2.00 NR 14, FG	m	712		
	BARBED WIRE				
14	Kalahari, 2 x 1.57mm, FG	m	712		
	BTC				
15	730MM Barbed Tape Concertina (1 row)	m	712		
	DIAMOND MESH				
16	Diamond Mesh, 1800mm x 50mm x 2.50mm, FG	m	712		
	1st GATE				
17	Galvanized Gate 4.8 x 2.5m double gate	No	1		
	STAY BOLT				
18	M12 X 150mm Stay Bolt	No	30		
	Total Carried to Summary Page				

**KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

PAVING AND PARKING BAYS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>PAVING AND PARKING BAYS</u>				
	<u>BILL NO 3</u>				
	Supply and deliver all material, labour and equipment for the installation of concrete block paving strictly according to detail drawing				
	Colour pattern to be provided by Landscape Architect Inclusive of cleaning and removal of excess material				
1	60mm concrete masonique paving blocks laid to with a 2% fall towards natural slope of ground on 25mm treated with weedkiller approved bedding sand in accordance with SABS 1200MJ.	m2	1668		
	<u>EXTRA FOR STABILIZER</u>				
2	Approved Portland Cement Extra over for stabilizer (OPC)	Ton	3,00		
3	Herringbone pattern 60mm paving	m²	509		
	<u>PARKING KERB</u>				
4	Kerb (Figure 7 kerb) Supply and deliver all material, labour and equipment for the installation of pavement kerb	m	406		
	<u>Earthworks</u>				
5	Clear parking area of all debris	m2	1974,00		
6	Rip and strip soil 150mm deep	m2	1974,00		
7	Extra over all excavations for carting away	m3	247		
8	Scarify and compact to 95% modified AASHTO density	m2	296		
9	Over site of G5 material in accordance with SABS 1200 DM compacted ton 93% Mod AASHTO density	m3	296		
10	Level rock and compact	m2	1974		
11	19mm Crusher Stone	m3	461		
	Carried Forward				

[illegible]

**KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR
TO REFURBISH ODOLAND PRIMARY SCHOOL**

[illegible]

KZN DOE INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL						
ADMIN BLOCK						
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
	<p><u>BILL NO 1</u></p> <p><u>PROVISIONAL SUMS</u></p> <p><u>NOTE</u> All prices/rates to be net, excluding Value Added Tax</p> <p><u>GENERAL</u> The following provisional sums are for work to be executed under separate nominated sub-contracts by firms of Specialists</p> <p>All provisional sums cover the supply and installation of material, equipment, plant, etc., including the commissioning thereof, where applicable</p> <p><u>FUEL, POWER AND WATER FOR COMMISSIONING PLANT</u></p> <p>The cost of water, power and fuel for the commissioning of plant shall be borne by the nominated sub-contractor appointed for the relevant nominated sub-contract works in terms of the conditions under which they have/are contract for the specialist work involved</p> <p><u>PROFIT</u></p> <p>Provisional sums are net and do not include builder's discount. The tenderer may allow next to "Profit" items for any profit he might consider necessary</p> <p><u>ATTENDANCE</u></p> <p>The Tenderer may allow next to "Attendance" items for any attendance he might consider necessary and/or for the recovery of any expenses incurred by him for providing attendance to nominated sub-contractors, i.e. By means of the installation of the necessary water/power meters, etc.</p> <p>The tenderer is also referred to Clause 20 in the "Preliminaries" section for the definitions and adjustment of "Attendance"</p> <p><u>NOMINATED SUB-CONTRACTS</u></p> <p><u>BUDGETARY AMOUNT FOR WORK TO BE DONE BY THE MAIN CONTRACTOR</u></p> <p><u>FIRE EQUIPMENT</u></p>					
1	Allow the amount of Eighty Thousand Rand (R80 000.00) for the construction fire equipment	Item	1	R 80 000,00	R	80 000,00
	Carried Forward					

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				
2	Allow the amount of One Hundred and Eighty Thousand Rand (R180 000.00) for the construction of security guardhouse	Item	1	R 180 000,00	R 180 000,00
	<u>ELECTRICAL WORKS</u>				
3	Allow the amount of One Million Five Hundred Thousand Rand (R1 500 000.00) for electrical works	Item	1	R 1 500 000,00	R 1 500 000,00
5	Allow for profit	Item	1		
5	Allow for attendance	Item	1		
	<u>STORMWATER</u>				
15	Allow the amount of One Hundred and Twenty Thousand Rand (R 120 000.00) for construction of Stormwater facilities	Item	1	R 120 000,00	R 120 000,00
16	Allow for profit	Item	1		
17	Allow for attendance	Item	1		
	Carried Forward to Final Summary				

KZN DOE INFRASTRUCRE DEVELOPMENT AND MAINTANANCE - APPOINTMENT OF A CONTRACTOR TO REFURBISH ODOLAND PRIMARY SCHOOL		
<u>FINAL SUMMARY</u>		
SECTION NO	SECTION SUMMAY - BUILDING WORK	AMOUNT
1	PRELIMINARIES AND GENERAL	
2	ALTERATIONS	
3	ABLUTION BLOCK	
4	NUTRITION CENTRE	
7	ADMINISTRATION BLOCK	
8	EXTERNAL WORKS	
9	PROVISIONAL SUM	
	Sub-total Excluding Contingencies	
	ADD: Contingencies @ 5%	
	Sub-total Excluding Vat	
	ADD: VAT @ 15%	
	Total Carried to Form of Offer	