

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 1</u></b>			
	<b><u>PRELIMINARIES AND GENERAL</u></b>			
	<b><u>BILL NO. 1</u></b>			
	<b><u>PRELIMINARIES</u></b>			
	<b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b>			
i)	The <b>agreement</b> is to be the JBCC Series 2000 Principal Building Agreement, Edition 4.1 May 2005, and other contract documents that together form the contract between the employer and contractor			
ii)	The <b>preliminaries</b> are to be the JBCC Series 2000 Code 2103 Preliminaries prepared by the Joint Building Contracts Committee, May 2005 edition and shall be deemed to be incorporated herein			
iii)	Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary			
iv)	Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading			
v)	Where any item is not relevant to this specific contract such item is marked N/A (signifying "not applicable")			
	<b>Carried Forward</b>		R	
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<p style="text-align: center;"><b>Brought Forward</b></p> <p>vi) If Alternative A as set out in clause B10.3 hereinafter is to be used for the adjustment of the preliminaries each item priced is to be allocated to one or more of the three categories, where "F" denotes a fixed amount (amount not to be varied), "V" denotes an amount variable in proportion to value and "T" denotes an amount in proportion to time</p> <p>vii) The <b>contractor</b> is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause</p> <p>viii) The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only</p>	<p style="text-align: center;">R</p>
<p><b><u>PREAMBLES FOR TRADES</u></b></p> <p><i>The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated descriptions utilised in these bills of quantities by inter alia referring to SANS construction standards. <b><u>Where such preambles are not applicable</u></b> (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the Standard System of Measuring Building Work (seventh edition) for works within South Africa or the Standard Method of Measuring Building Work for Africa 2015 (first edition) for works elsewhere in Africa, represent the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications</i></p> <p>The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these <b>bills of quantities</b> and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained</p>	
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>	<p style="text-align: center;">R</p>

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<p><i>Note that the text of the Standard System of Measuring Building Work (seventh edition) and that of the Standard Method of Measuring Building Work for Africa 2015 (first edition) is the same</i></p> <p><i>The latest version of the General Preambles for Trades should be referred to should the General Preambles for Trades 2017 be revised in future</i></p> <p>Supplementary preambles and/or specifications are incorporated in these <b>bills of quantities</b> to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles</p> <p>The <b>contractor's</b> prices for all items throughout these <b>bills of quantities</b> shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications</p> <p><b><u>STRUCTURE OF THIS PRELIMINARIES BILL</u></b></p> <p>Section A : A recital of the headings of the individual clauses in the aforementioned <b>JBCC</b> Minor Works Agreement</p> <p>Section B : A recital of the headings of the individual clauses in the aforementioned <b>JBCC</b> General Preliminaries</p> <p>Section C : Any special clauses to meet the particular circumstances of the project</p> <p><b><u>PRICING OF PRELIMINARIES</u></b></p> <p>Should the <b>contractor</b> select Option A in the <b>contract data</b> for the adjustment of <b>preliminaries</b>, the amounts entered against the relevant items in these <b>preliminaries</b> are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)</p> <p style="text-align: center;">-----</p>	
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<b><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></b>				
<b><u>Definitions (A1)</u></b>				
1	Definitions and interpretation (clause 1) F:..... V:..... T:.....	Item		
<b><u>Objective and Preparation (A2 to A14)</u></b>				
2	Offer acceptance and performance (clause 2) F:..... V:..... T:.....	Item		
3	Documents (clause 3) F:..... V:..... T:.....	Item		
4	Design responsibility (clause 4) F:..... V:..... T:.....	Item		
5	Employer's agents (clause 5) F:..... V:..... T:.....	Item		
6	Site representative (clause 6) F:..... V:..... T:.....	Item		
7	Compliance with regulations (clause 7) F:..... V:..... T:.....	Item		
8	Works risk (clause 8) F:..... V:..... T:.....	Item		
9	Indemnities (clause 9) F:..... V:..... T:.....	Item		
10	Works insurances (clause 10)  F:..... V:..... T:.....	Item		
11	Liability insurances (clause 11) F:..... V:..... T:.....	Item		
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12	Effecting insurance (clause 12)F:..... V:..... T:.....	Item		
13	NO CLAUSE	N/A		
14	Security (clause 14)F:..... V:..... T:.....	Item		
	<b><u>Execution (A15-A23)</u></b>			
15	Preparation for and execution of the works (clause 15) fixed F:..... V:..... T:.....	Item		
16	Access to the works (clause 16)F:..... V:..... T:.....	Item		
17	Contract instructions (clause 17)F:..... V:..... T:.....	Item		
18	Setting out of the works (clause 18)F:..... V:..... T:.....	Item		
19	Assignment (clause 19)F:..... V:..... T:.....	Item		
20	Nominated subcontractors (clause 20)F:..... V:..... T:.....	Item		
21	Selected subcontractors (clause 21)F:..... V:..... T:.....	Item		
22	Employer's Direct Contractors (clause 22)  F:..... V:..... T:.....	Item		
23	Contractor's Domestic Sub-Contractors (Clause 23)  F:..... V:..... T:.....	Item		
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<b><u>Completion (A24-A30)</u></b>			
24	Practical completion (clause 24)F:..... V:..... T:.....	Item	
25	Works completion (clause 25)F:..... V:..... T:.....	Item	
26	Final completion (clause 26)F:..... V:..... T:.....	Item	
27	Latent defects liability period (clause 27)F:..... V:..... T:.....	Item	
28	Sectional completion (clause 28)F:..... V:..... T:.....	Item	
29	Revision of date of practical completion (clause 29)F:..... V:..... T:.....	Item	
30	Penalty for non-completion (clause 30)F:..... V:..... T:.....	Item	
<b><u>Payment (A31 - A35)</u></b>			
31	Interim payment to the contractor (clause 31)F:..... V:..... T:.....	Item	
32	Adjustment to the contract value (clause 32)F:..... V:..... T:.....	Item	
33	Recovery of expense and loss (clause 33)F:..... V:..... T:.....	Item	
34	Final account and final payment (clause 34)F:..... V:..... T:.....	Item	
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35	Payment to other parties (clause 35) F:..... V:..... T:.....	Item	
<b><u>Cancellation (A36-A39)</u></b>			
36	Cancellation by employer - contractor's default (clause 36)F:..... V:..... T:.....	Item	
37	Cancellation by employer - loss and damage (clause 37)F:..... V:..... T:.....	Item	
38	Cancellation by contractor - employer's default (clause 38)F:..... V:..... T:.....	Item	
39	Cancellation - cessation of the works (clause 39)F:..... V:..... T:.....	Item	
<b><u>Dispute (A40)</u></b>			
40	Dispute Settlement (clause 40) F:..... V:..... T:.....	Item	
<b><u>Substitute Provisions (A41)</u></b>			
41	State clauses (Clause 41) F:..... V:..... T:.....	Item	
<b><u>THE SCHEDULE</u></b>			
42	Pre-tender information (clause 42) F:..... V:..... T:.....	Item	
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<b><u>42.1 CONTRACTING AND OTHER PARTIES</u></b>			
42.1.1			
Employer	Independent Development Trust (IDT) 30 Brown Street 9th Floor, Nedbank Building Mbombela, Mpumalanga 1200		
Physical address	30 Brown Street 9th Floor, Nedbank Building Mbombela, Mpumalanga		
Code	1200		
Telephone	+27 13 756 5536		
E-mail	sabeloM@idt.org.za		
42.1.2			
Principal Agent	Pasqa Consultants cc		
Agent's service	Principal Agent & Quantity Surveyors		
Postal address	18 Ehmke Street, Mbombela		
Code	1200		
Telephone	+27 13 753 3658		
E-mail	tiaan@qsc.co.za		
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<p><b><u>42.2 CONTRACT DETAILS</u></b></p> <p>42.2.1 Works description</p> <p>In general the works comprise of the following:</p> <p>Minor Renovations to 16 Existing Classrooms.  Refurbishment of Female Ablution Toilet Block  Refurbishment of Male Ablution Toilet Block  Refurbishment of Grade R Toilet Block  Panting of Existing Perimeter Fence.  Paving  Upgrading of existing electrical and mechanical services on site.</p> <p>42.2.2 Site description</p> <p><b>Nwankupana Primary School</b></p> <p>Site is located at:</p> <p><b>Stand No 60065 Ximhungwe Mohlabela Bushbuckridge</b></p> <p><b>GPS Coordinates</b></p> <p>Latitude South : deg.S 24,89°</p> <p>Longitude East : deg.E 31.31°</p> <p>42.2.3 Work or installations by direct contractors:</p> <p style="text-align: center;"><b>N/A</b></p> <p>42.2.4 This agreement is for a Government contract No. <b>IDTMPU-CONT-WP3.2B/1-DOE PROG</b></p> <p>42.2.5 Possession of the site is intended to be given on <b>To be confirmed</b></p>	
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42.2.6	Period for the commencement of the Works after the Contractor takes possession of the site	
	Working days (7) Seven	
42.2.7	Intended date of practical completion and the penalty per calendar day for :	
	Excluding builders and public holidays.	
	Penalty: R 1 085.11 per calendar day	
	An additional penalty of R 1 000.00 per calender day for not achieving works completion as per clause 25.4 will be applied for the project as a whole.	
42.2.8	For the works in <b>sections</b> : Intended date of practical completion and the penalty per calender day	
	Section 1	
	...TBC..... Date	
	R..... Penalty Amount	
	Section 2	
	...TBC..... Date	
	R..... Penalty Amount	
	Section 3	
	...TBC..... Date	
	R..... Penalty Amount	
	Section 4	
	...TBC..... Date	
	R..... Penalty Amount	
42.2.9	The law applicable to this agreement shall be that of	
	South Africa	
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<b><u>42.3 INSURANCES</u></b>		
43.3.1 Contracts works insurance to be effected by :		
	<b>Contractor</b>	
For the sum of:	<b>Contract Sum plus 20%</b>	
With a deductible of:	<b>Maximum of R20 000-00 for any one occurrence</b>	
43.3.2 Supplementary insurance is required		
	<b>SASRIA</b>	
	<b>Yes</b>	
43.3.3 Public Liability Insurance to be effected by :		
	<b>Contractor</b>	
For the sum of	<b>R 2 000 000-00</b>	
with the deductible of	<b>Max of R 20 000-00</b>	
<b><u>42.4 DOCUMENTS</u></b>		
42.4.1 Waiver of the Contractor's lien or right of continuing possession is required.		
	<b>Yes, no Payment Guarantee will be implemented by the Employer</b>	
42.4.2 Construction document and drawings copies to be supplied to the Contractor free of charge.		
	<b>N/A</b>	
42.4.3 Bills of Quantities/Schedule of Rates drawn up in accordance with:		
	<b>Standard System of Measuring Building Work 2015/ Revised Seventh edition</b>	
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42.4.4	On acceptance of the tender the bills of quantities/lump sum document is to be submitted within <b>working days</b>  ..... <b>3</b> ..... <i>Number of</i>		
42.4.5	JBCC Engineering General Conditions are to be included in the contract documents.  <b>No</b>		
42.4.6	The contract value is to be adjusted using escalation adjustment indices  <b>No</b>  Where <b>JBCC CPAP</b> is to be used <i>Base Month</i> ..... <b>N/A</b> .....		
42.4.7	Details of changes made to the provisions of JBCC standard documentation.  <b>Refer to IDT contract data</b>		
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<b><u>SECTION B: PRELIMINARIES</u></b>				
<b><u>Definitions and interpretation (B1)</u></b>				
43	Definition and interpretation (B1.1 - B1.4.6) F:..... V:..... T:.....	Item		
<b><u>Documents (B2)</u></b>				
44	Checking of documents (B2.1)F:..... V:..... T:.....	Item		
45	Provisional bills of quantities (B2.2)F:..... V:..... T:.....	Item		
46	Availability of construction documentation (B2.3) F:..... V:..... T:.....	Item		
47	Interests of agents (B2.4)F:..... V:..... T:.....	Item		
48	Priced documents (B2.5)F:..... V:..... T:.....	Item		
49	Tender submission (B2.6)F:..... V:..... T:.....	Item		
<b><u>The site (B3)</u></b>				
50	Defined works area (B3.1)F:..... V:..... T:.....	Item		
51	Geotechnical investigation (B3.2)F:..... V:..... T:.....	Item		
52	Inspection of the site (B3.3)F:..... V:..... T:.....	Item		
53	Existing premises occupied (B3.4)F:..... V:..... T:.....	Item		
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54	Previous work - dimensional accuracy (B3.5)F:..... V:..... T:.....	Item	
55	Previous work - defects (B3.6)F:..... V:..... T:.....	Item	
56	Services - known (B3.7)F:..... V:..... T:.....	Item	
57	Services - unknown (B3.8)F:..... V:..... T:.....	Item	
58	Protection of trees etc (B3.9)F:..... V:..... T:.....	Item	
59	Articles of value (B3.10)F:..... V:..... T:.....	Item	
60	Inspection of adjoining properties etc (B3.11)F:..... V:..... T:.....	Item	
	<b><u>Management of contract (B4)</u></b>		
61	Management of the works (B4.1)F:..... V:..... T:.....	Item	
62	Programme for the works (B4.2)  F:..... V:..... T:.....	Item	
63	Progress meetings (B4.3)F:..... V:..... T:.....	Item	
64	Technical meetings (B4.4)F:..... V:..... T:.....	Item	
65	Labour and Plant records (B4.5)  F:..... V:..... T:.....	Item	
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<b><u>Samples, Shop Drawings and Manufacturer's Instructions (B5)</u></b>			
66	Samples of materials (B5.1)F:..... V:..... T:.....	Item	
67	Workmanship samples (B5.2)F:..... V:..... T:.....	Item	
68	Shop drawings (B5.3)  F:..... V:..... T:.....	Item	
69	Compliance with Manufacturer's Instructions (B5.4)  F:..... V:..... T:.....	Item	
<b><u>Temporary works and plant (B6)</u></b>			
70	Deposits and fees (B6.1)F:..... V:..... T:.....	Item	
71	Enclosure of the works (B6.2)F:..... V:..... T:.....	Item	
72	Advertising (B6.3)F:..... V:..... T:.....	Item	
73	Plant, equipment, sheds and offices (B6.4)F:..... V:..... T:.....	Item	
74	Main notice board (B6.5)F:..... V:..... T:.....	Item	
75	Subcontractors' notice board (B6.6)  F:..... V:..... T:.....	Item	
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	<b><u>Temporary services (B7)</u></b>		
76	Location (B7.1)F:..... V:..... T:.....	Item	
77	Water (B7.2)  <b>Option [A] / [B] ? shall apply</b>  F:..... V:..... T:.....	Item	
78	Electricity (B7.3)  <b>Option [A] / [B] ? shall apply</b>  F:..... V:..... T:.....	Item	
79	Telecommunication facilities (B7.4)  F:..... V:..... T:.....	Item	
80	Ablution facilities (B7.5)  <b>Option [A] / [B] ? shall apply</b>  F:..... V:..... T:.....	Item	
	<b><u>Prime cost amounts (B8)</u></b>		
81	Responsibility for prime cost amounts (B8.1)F:..... V:..... T:.....	Item	
	<b><u>Attendance on N/S Subcontractors (B9)</u></b>		
82	General attendance (B9.1)F:..... V:..... T:.....	Item	
83	Special attendance (B9.2)F:..... V:..... T:.....	Item	
84	Commissioning - Fuel, water and power (B9.3)F:..... V:..... T:.....	Item	
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<b><u>Financial aspects (B10)</u></b>			
	Statutory taxes, duties and levies (B10.1)F:..... V:..... T:.....	Item	
85	Payment of preliminaries (B10.2) <b>Option [A] / [B] ? shall apply</b>		
	F:..... V:..... T:.....	Item	
86	Adjustment of preliminaries (B10.3)F:..... V:..... T:.....	Item	
87	Payment certificate cash flow (B10.4)F:..... V:..... T:.....	Item	
<b><u>General (B11)</u></b>			
88	Protection of works (B11.1)F:..... V:..... T:.....	Item	
89	Protection/isolation of existing/sectionally occupied works (B11.2)F:..... V:..... T:.....	Item	
90	Security of the Works (B11.3)  F:..... V:..... T:.....	Item	
91	Notice before covering work (B11.4)F:..... V:..... T:.....	Item	
92	Disturbance (B11.5)  F:..... V:..... T:.....	Item	
93	Environmental Disturbance (B11.6)  F:..... V:..... T:.....	Item	
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12.1.4	Defined works area (B3.1)		
	Block C,D,F,G		
3 x	Classrooms per block		
	Block E		
4 x	Classrooms		
	Block H		
2 x	Classrooms		
	Block I		
2 x	Classrooms		
	Block J		
4 x	Classrooms		
	External works		
12.1.5	Geotechnical investigation (B3.2)		
	<b>N/A</b>		
12.1.6	Existing premises occupied (B3.4)		
	<b>YES</b>		
12.1.7	Previous work - dimensional accuracy [3.1]		
	<b>N/A</b>		
12.1.8	Previous work - defects [3.2]		
	<b>N/A</b>		
12.1.9	Services - known (B3.7)		
	<b>NO</b>		
12.1.10	Protection of trees (B3.9)		
	<b>NO</b>		
12.1.11	Inspection of adjoining properties [3.3]		
	<b>N/A</b>		
12.1.12	Enclosure of the works (B6.2)		
	<b>YES</b>		
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12.1.13 Offices (B6.4.3)			
<b>Site offices required</b>			
12.1.14 Main notice board (B6.5)			
<b>NO</b>			
12.1.15 Subcontractors notice board (B6.6)			
A notice board is required			
<b>NO</b>			
12.1.16 Water [7.2]			
Option A (by <b>contractor</b> )	Yes		
Option B (by <b>employer</b> - free of charge)	No		
Option C (by <b>employer</b> - metered)	No		
12.1.17 - Electricity [7.3]			
Option A (by <b>contractor</b> )	Yes		
Option B (by <b>employer</b> - free of charge)	No		
Option C (by <b>employer</b> - metered)	No		
12.1.18 - Telecommunications [7.4]			
Telephone	Yes		
Facsimile	Yes		
E-mail	Yes		
12.1.19 - Ablution facilities [7.5]			
Option A (by <b>contractor</b> )	Yes		
Only approved chemical toilets will be allowed.			
Option B (by <b>employer</b> )			
No			
<b>Carried Forward</b>		R	
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Preliminaries and General			
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Preliminaries			

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<b>Brought Forward</b>	R
12.1.20 Protection of existing/sectionally occupied works (B11.2)  <b>YES</b>	
12.1.21 Special attendance (B9.2)  <b>N/A</b>	
12.1.22 Protection of the works (B11.1)  <b>All existing and new</b>	
12.1.23 Disturbance (B11.5)  <b>Noise disturbance during the day needs to be taken into account</b>	
12.1.24 Environmental Disturbance (B11.6)  <b>Removal of Asbestos structures/materials should be done in accordance with the latest Occupational Health and Safety Act, Asbestos Regulations.</b>	
<b><u>Post tender information (B12.2)</u></b>	
12.2.1 Payment of preliminaries Alternative selected:                      Option A/B	
12.2.2 Adjustment of preliminaries Alternative selected: :                      Option A/B	
12.2.3 Additional agreed preliminaries items .....- .....- .....-	
<b>Carried Forward</b>  Section No. 1 Preliminaries and General Bill No. 1 Preliminaries	R

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	<b>Brought Forward</b>			R
	<b><u>SECTION C: SPECIFIC PRELIMINARIES</u></b>			
101	<p>Warranties for materials and workmanship</p> <p>Where warranties for materials and/or workmanship are called for, the <b>contractor</b> shall obtain a written warranty, addressed to the <b>employer</b>, from the entity supplying the materials and/or executing the work and shall deliver same to the <b>principal agent</b> on <b>final completion</b> of the contract</p> <p>The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of <b>practical completion</b> and that any <b>defects</b> that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written <b>notice</b> to do so</p> <p>The warranty will not be enforced if the work is damaged by <b>defects</b> in the execution of the <b>works</b>, in which case the responsibility for replacement shall rest entirely with the <b>contractor</b></p> <p>F:..... V:..... T:.....</p>	Item		
102	<p>Overtime</p> <p>Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the <b>contractor</b> unless the <b>principal agent</b> has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the <b>employer</b></p> <p>F:..... V:..... T:.....</p>	Item		
	<b>Carried Forward</b>			R
	<p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>			

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	Brought Forward		R
103	<p>Cooperation of the <b>contractor</b> for cost management</p> <p>It is specifically agreed that the <b>contractor</b> accepts the obligation of assisting the <b>principal agent</b> in implementing proper cost management. The <b>contractor</b> will be advised by the <b>principal agent</b> of all cost management procedures which will be implemented to ensure that the <b>contract value</b> does not exceed the budget</p> <p>F:..... V:..... T:.....</p>	Item	
104	<p>Overloading</p> <p>The <b>contractor</b> shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the <b>works</b> or temporary works eg scaffolding, etc. The <b>contractor</b> shall submit details of his proposed loading, storage, plant erection, etc to the <b>principal agent</b> for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the <b>principal agent's</b> requirements in connection with the provision of temporary support work, etc. Any damage caused to the <b>works</b> by overloading shall be made good by the <b>contractor</b> at his sole expense</p> <p>F:..... V:..... T:.....</p>	Item	
105	<p>Propping of floors below</p> <p>The <b>contractor</b> is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of <b>materials and goods</b> and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the <b>principal agent</b> and the cost thereof shall be borne by the <b>contractor</b></p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>		



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	Brought Forward		R
106	<p>Testing of flat roof waterproofing for watertightness</p> <p>Flat roof waterproof areas shall be flooded and kept "ponded" for at least forty eight (48) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing</p> <p>F:..... V:..... T:.....</p> <p>Health and safety</p> <p>Without limiting the generality of the provisions of clause 2.0, the <b>contractor's</b> attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is specifically stated that the <b>employer</b> shall prepare a documented health and safety specification for the <b>works</b> (refer to Annexure ? for a copy of the relevant specification) and that the <b>employer</b> shall ensure that the <b>contractor</b> has made provision for the cost of health and safety measures during the execution of the <b>works</b>. The <b>contractor</b> shall price opposite this item for compliance with the act and the regulations and the provisions of the aforementioned health and safety specification [2.1]</p> <p>The <b>contractor</b> shall:</p> <ol style="list-style-type: none"> <li>1. Comply with the health and safety specification for the <b>works</b></li> <li>2. Prepare and agree with the health and safety consultant the health and safety plan for the <b>works</b></li> <li>3. Cooperate with the health and safety consultant in all respects</li> <li>4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification</li> <li>5. Conform to the conditions contained in the <b>employer's</b> health and safety specification</li> </ol>	Item	
	Carried Forward		R
	<p>Section No. 1 Preliminaries and General Bill No. 1 Preliminaries</p>		

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Brought Forward		R
	F:..... V:..... T:.....	Item
107	Green star building certification	
	F:..... V:.....T:.....	Item
108	Broad based black economic empowerment (BBBEE)	
	Tenders submitted will be evaluated taking into account their empowerment rating	
	The <b>employer</b> will be monitoring the broad based black economic empowerment (BBBEE) status of the <b>contractor</b> throughout the execution of the <b>works</b>	
	The <b>contractor</b> is to submit to the <b>principal agent</b> on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating	
	F:..... V:.....T:.....	Item
109	Advertising rights	
	The <b>employer</b> may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The <b>contractor</b> shall not prevent such an arrangement and will assist in the facilitation of same. The position and type of advertising structure to be agreed with the <b>principal agent</b> so as not to hinder the <b>contractor</b> in meeting his obligations under this <b>agreement</b>	
	F:..... V:.....T:.....	Item
Carried Forward		R
Section No. 1 Preliminaries and General Bill No. 1 Preliminaries		

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Item No	Quantity	Rate	Amount
<b><u>SECTION NO. 2</u></b>			
<b><u>BILL NO. 1</u></b>			
<b><u>ALTERATIONS TO 4-CLASSROOM BLOCK: BLOCK A</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<p><b>NOTE:</b> Contractors are advised to study the Model Preambles for Trades and <b>PW371</b></p> <p>-----</p> <p>All Tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered. No claim for a variation in the credit allowance for recoverable materials in respect of demolition items will be considered.</p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc to ensure the stability of all structures during the alteration/demolition work. The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense.</p> <p>Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service then suitable temporary or alternate services must be provided to the existing buildings.</p> <p>Special care shall be exercised during the progress of the work to ensure that any electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice must be given to the Principal agent if any disconnection or</p>			
<b>Carried Forward</b>			R
Section No. 2 Renovation of 4-Classroom Block: Block A Bill No. 1 Alterations			

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<p style="text-align: right;"><b>Brought Forward</b></p> <p>alterations become necessary.</p> <p>The Contractor shall cover up and protect from injury all work not removed and shall make good at his own expense any damage that may occur.</p> <p>Any water supply or other piping, etc that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with the proper fittings to the satisfaction of the Principal Agent. Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well as for making good plaster, screeds, etc.</p> <p>Prices for the removal of concrete slabs, etc must include for removal of reinforcement, screeds, membrane waterproofing, conduits, etc.</p> <p>Prices for the removal of concrete surface beds, etc must include for removal of reinforcement, screeds, conduits, damp proof membrane, etc. The Contractor is to note that removal of the existing floor finishes such as vinyl, carpets, ceramic tiles, etc has been measured separately.</p> <p>Taking down existing walls is to include for skirtings, cornices, conduits, pipes, brick or concrete fins, lintels, etc built into the structure and for making good walls, floors, ceilings, etc as described. The Contractor is to note that items for the removal of joinery, etc such as shelves, pelmets, curtain rails, pinning boards, signage, etc has been measured separately.</p> <p>Removal of doors, windows, fittings, etc is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc, for hacking up flooring at openings and for making good.</p> <p>Removal of sanitary fittings is to include for the removal and blocking off of service pipes, taps, traps, fixing brackets, cisterns, etc complete.</p> <p>Building up of existing openings where given in number</p>	<p style="text-align: right;">R</p>
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 2 Renovation of 4-Classroom Block: Block A Bill No. 1 Alterations</p>	<p style="text-align: right;">R</p>

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<b>Brought Forward</b>	R
<p>shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and unless otherwise stated making good finishes on both sides to match existing.</p> <p>Allow for watering the works sufficiently to prevent nuisance from dust.</p> <p><b>OLD MATERIALS TO BE CARTED AWAY:</b> Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, rubble, debris etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p><b>OLD MATERIALS NOT TO BE RE-USED:</b> None of the old materials are to be used for new work except where specifically described as being set aside for re-use.</p> <p><b>OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR:</b> Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who must allow credit for same in the Final Summary.</p> <p><b>HANDING OVER OF MATERIALS:</b> Where certain materials or articles from demolitions or articles are described as to be handed over by the Contractor to the Regional Representative or Representative/Agent, such materials or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p> <p style="text-align: center;">-----</p> <p><b><u>REMOVAL OF EXISTING WORK</u></b></p>	
<b>Carried Forward</b>	R
<p>Section No. 2 Renovation of 4-Classroom Block: Block A Bill No. 1 Alterations</p>	

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Brought Forward			R
<b><u>Taking out and removing doors, windows, etc including thresholds, sills, etc including making good face brickwork on both sides</u></b>			
1	Timber single door and frame 813 x 2032mm high	No	1
<b><u>Taking out and removing glass and mirrors</u></b>			
2	Carefully remove cracked or broken glazing in panes exceeding 0,1m2 and not exceeding 0,5m2 in existing metal windows and doors including scraping out putty on reveals and prepare windows and or doors to receive new glazing (New glazing elsewhere measured)	No	1
<b><u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u></b>			
3	Carefully remove granolithic floor finish and prepare surfaces to receive new ceramic tiles	m2	210
<b><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></b>			
4	Gypsum plasterboard ceilings including cornices, timber bandering, etc	m2	6
<b><u>Carefully take out and remove from site the following including making good to all works disturbed</u></b>			
5	Existing three lever lockset	No	4
6	Existing hinges	No	3
7	Existing set of pull handle	No	4
8	Existing set door stop	No	4
<b><u>Taking out and removing classroom fittings</u></b>			
9	1200 x 4000mm Long Chalkboard glued to timber framework	No	4
Carried Forward			R
Section No. 2 Renovation of 4-Classroom Block: Block A Bill No. 1 Alterations			

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	Brought Forward			R
10	Pin-up Board	No	8	
	<b><u>SERVICING EXISTING ITEMS</u></b>			
	<b><u>Servicing existing windows</u></b>			
11	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 300 x 300mm high	No	20	
	<b><u>Servicing existing doors</u></b>			
12	Carefully examine hinges and door and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 813 x 2032mm high	No	3	
	<b><u>Servicing existing gates</u></b>			
13	Carefully examine hinges, handles and stays to steel gates, fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of gate 900 x 2100mm high	No	4	
	<b><u>MAKING GOOD OF FINISHES ETC</u></b>			
	<b><u>Examination and repair of existing roof covering</u></b>			
14	Carefully examine existing IBR roof sheeting, make good any defective sheets and check roof screws/bolts and replace where necessary and prepare roof covering to receive new paint, to ensure water tightness of roofs. (Paint to be measured elsewhere)	m2	280	
	<b>Carried Forward to Summary of Section No. 2</b>			R
	Section No. 2			
	Renovation of 4-Classroom Block: Block A			
	Bill No. 1			
	Alterations			



Item No	Quantity	Rate	Amount
<b><u>BILL NO. 2</u></b>			
<b><u>CARPENTRY AND JOINERY</u></b>			
Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
-----			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>Particle board</u></b>			
Particle board shall comply with the following specifications:			
a) SABS 1300 Particle board: exterior and flooring type			
b) SABS 1301 Particle board: interior type			
<b><u>Joinery</u></b>			
Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc			
Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes			
<b><u>Fixing</u></b>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.			
<b><u>Decorative laminating finish</u></b>			
Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish			
-----			
Carried Forward			R
Section No. 2			
Renovation of 4-Classroom Block: Block A			
Bill No. 2			
Carpentry and Joinery			

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Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 3</u></b>			
	<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>			
	Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
	-----			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Descriptions</u>			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres and where described as "bolted" the bolts have been given elsewhere.			
	<b><u>INSULATION</u></b>			
	<b><u>"Aerolite" insulation</u></b>			
1	75mm Insulation closely fitted and laid on top of branderling between roof timbers etc	m2	62	
	<b><u>NAILED UP CEILINGS</u></b>			
	<b><u>6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</u></b>			
2	Ceilings including 38 x 38mm sawn softwood branderling at 400mm centres	m2	62	
	<b><u>"Rhino" gypsum plasterboard cornices</u></b>			
3	75mm Coved cornices	m	66	
	<b>Carried Forward to Summary of Section No. 2</b>			
	Section No. 2			
	Renovation of 4-Classroom Block: Block A			
	Bill No. 3			
	Ceilings, Partitions and Access flooring			

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Brought Forward			R
<b><u>HANDLES</u></b>			
<b><u>"QS Products" or similar approved</u></b>			
2	Door flush handle	No	4
<b><u>SUNDRIES</u></b>			
<b><u>"QS" or similar approved</u></b>			
3	"QS4421" Stainless steel hooded door stop plugged	No	4
<b><u>WRITING BOARDS, PINNING BOARD, ETC</u></b>			
<b><u>"Vitrex" vitreous enamelled writing boards, etc to SABS CSK-36-1980</u></b>			
4	Green writing board 4 800 x 1 140mm high consisting of two fixed panels each 2 400 x 1 140mm high complete with aluminium chalk rail, etc, plugged	No	4
<b><u>"Parrot products"</u></b>			
5	"BD0476" 2 400 x 1 200mm Aluminium framed carpet bulletin board	No	8
<b>Carried Forward to Summary of Section No. 2</b>			R
Section No. 2			
Renovation of 4-Classroom Block: Block A			
Bill No. 4			
Ironmongery			

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Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 8</u></b>			
	<b><u>PAINTWORK</u></b>			
	<b><u>PREPARATORY WORK TO EXISTING WORK</u></b>			
	<b><u>Previously painted plastered surfaces</u></b>			
	Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
	<b><u>Previously painted metal surfaces</u></b>			
	Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
	<b><u>PAINTWORK ETC TO PREVIOUSLY PAINTED WORK</u></b>			
	Note: All paintwork to be "Dulux" or similar approved product			
	<b><u>ON METAL</u></b>			
	<b><u>Prepare and apply one undercoat and two finishing coats of gloss paint on metalworks</u></b>			
1	On door frames	m2	5	
2	On windows with burglar bars	m2	94	
3	On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	13	
	<b><u>ON WOOD</u></b>			
	<b><u>Three coats polyurethane semi-gloss varnish</u></b>			
4	On doors	m2	13	
	<b>Carried Forward</b>			
	Section No. 2			
	Renovation of 4-Classroom Block: Block A			
	Bill No. 8			
	Paintwork			

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Brought Forward			R
<b><u>ON PLASTERBOARD</u></b>			
<b><u>One coat primer and two coats interior quality PVA emulsion paint</u></b>			
5	On ceilings and cornices	m2	204
<b><u>ON FIBRE-CEMENT</u></b>			
<b><u>Prepare and apply one undercoat and two finishing coats of Acrylic PVA emulsion paint</u></b>			
6	On fascias and bargeboards	m	94
<b><u>PAINTWORK ETC TO NEW WORK</u></b>			
Note: All paintwork to be "Dulux" or similar approved product			
<b><u>ON PLASTERBOARD</u></b>			
<b><u>One coat primer and two coats interior quality PVA emulsion paint</u></b>			
7	On ceilings and cornices	m2	62
<b>Carried Forward to Summary of Section No. 2</b>			R
Section No. 2			
Renovation of 4-Classroom Block: Block A			
Bill No. 8			
Paintwork			

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Item No	Quantity	Rate	Amount
<b><u>SECTION NO. 3</u></b>			
<b><u>BILL NO. 1</u></b>			
<b><u>ALTERATIONS TO 4-CLASSROOM BLOCK: BLOCK B</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<p><b>NOTE:</b> Contractors are advised to study the Model Preambles for Trades and <b>PW371</b></p> <p>-----</p> <p>All Tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered. No claim for a variation in the credit allowance for recoverable materials in respect of demolition items will be considered.</p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc to ensure the stability of all structures during the alteration/demolition work. The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense.</p> <p>Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service then suitable temporary or alternate services must be provided to the existing buildings.</p> <p>Special care shall be exercised during the progress of the work to ensure that any electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice must be given to the Principal agent if any disconnection or</p>			
<b>Carried Forward</b>			
Section No. 3 Renovation of 4-Classroom Block: Block B Bill No. 1 Alterations			R

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alterations become necessary.	
The Contractor shall cover up and protect from injury all work not removed and shall make good at his own expense any damage that may occur.	
Any water supply or other piping, etc that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with the proper fittings to the satisfaction of the Principal Agent. Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well as for making good plaster, screeds, etc.	
Prices for the removal of concrete slabs, etc must include for removal of reinforcement, screeds, membrane waterproofing, conduits, etc.	
Prices for the removal of concrete surface beds, etc must include for removal of reinforcement, screeds, conduits, damp proof membrane, etc. The Contractor is to note that removal of the existing floor finishes such as vinyl, carpets, ceramic tiles, etc has been measured separately.	
Taking down existing walls is to include for skirtings, cornices, conduits, pipes, brick or concrete fins, lintels, etc built into the structure and for making good walls, floors, ceilings, etc as described. The Contractor is to note that items for the removal of joinery, etc such as shelves, pelmets, curtain rails, pinning boards, signage, etc has been measured separately.	
Removal of doors, windows, fittings, etc is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc, for hacking up flooring at openings and for making good.	
Removal of sanitary fittings is to include for the removal and blocking off of service pipes, taps, traps, fixing brackets, cisterns, etc complete.	
Building up of existing openings where given in number	
<b>Carried Forward</b>	R
Section No. 3 Renovation of 4-Classroom Block: Block B Bill No. 1 Alterations	

**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<p style="text-align: center;"><b>Brought Forward</b></p> <p>shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and unless otherwise stated making good finishes on both sides to match existing.</p> <p>Allow for watering the works sufficiently to prevent nuisance from dust.</p> <p><b>OLD MATERIALS TO BE CARTED AWAY:</b> Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, rubble, debris etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p><b>OLD MATERIALS NOT TO BE RE-USED:</b> None of the old materials are to be used for new work except where specifically described as being set aside for re-use.</p> <p><b>OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR:</b> Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who must allow credit for same in the Final Summary.</p> <p><b>HANDING OVER OF MATERIALS:</b> Where certain materials or articles from demolitions or articles are described as to be handed over by the Contractor to the Regional Representative or Representative/Agent, such materials or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p> <p style="text-align: center;">-----</p> <p><b><u>REMOVAL OF EXISTING WORK</u></b></p>	<p style="text-align: center;">R</p>
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 3 Renovation of 4-Classroom Block: Block B Bill No. 1 Alterations</p>	<p style="text-align: center;">R</p>

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
<b><u>Taking out and removing doors, windows, etc including thresholds, sills, etc including making good face brickwork on both sides</u></b>			
1	Timber single door and frame 813 x 2032mm high	No	1
<b><u>Taking out and removing glass and mirrors</u></b>			
2	Carefully remove cracked or broken glazing in panes exceeding 0,1m2 and not exceeding 0,5m2 in existing metal windows and doors including scraping out putty on reveals and prepare windows and or doors to receive new glazing (New glazing elsewhere measured)	No	1
<b><u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u></b>			
3	Carefully remove granolithic floor finish and prepare surfaces to receive new ceramic tiles	m2	210
<b><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></b>			
4	Gypsum plasterboard ceilings including cornices, timber bandering, etc	m2	6
<b><u>Carefully take out and remove from site the following including making good all works disturbed</u></b>			
5	Existing three lever lockset	No	4
6	Existing hinges	No	3
7	Existing set of pull handle	No	4
8	Existing set door stop	No	4
<b><u>Taking out and removing classroom fittings</u></b>			
9	1200 x 4000mm Long Chalkboard glued to timber framework	No	4
Carried Forward			R
Section No. 3 Renovation of 4-Classroom Block: Block B Bill No. 1 Alterations			

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
10	Pin-up Board	No	4
<b><u>SERVICING EXISTING ITEMS</u></b>			
<b><u>Servicing existing windows</u></b>			
11	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 300 x 300mm high	No	4
<b><u>Servicing existing doors</u></b>			
12	Carefully examine hinges and door and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 813 x 2032mm high	No	3
<b><u>Servicing existing gates</u></b>			
13	Carefully examine hinges, handles and stays to steel gates, fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of gate 900 x 2100mm high	No	4
<b><u>MAKING GOOD OF FINISHES ETC</u></b>			
<b><u>Examination and repair of existing roof covering</u></b>			
14	Carefully examine existing IBR roof sheeting, make good any defective sheets and check roof screws/bolts and replace where necessary and prepare roof covering to receive new paint, to ensure water tightness of roofs. (Paint to be measured elsewhere)	m2	280
<b>Carried Forward to Summary of Section No. 3</b>			R
Section No. 3			
Renovation of 4-Classroom Block: Block B			
Bill No. 1			
Alterations			



NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 2</u></b>			
<b><u>CARPENTRY AND JOINERY</u></b>			
Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
-----			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>Particle board</u></b>			
Particle board shall comply with the following specifications:			
a) SABS 1300 Particle board: exterior and flooring type			
b) SABS 1301 Particle board: interior type			
<b><u>Joinery</u></b>			
Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc			
Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes			
<b><u>Fixing</u></b>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.			
<b><u>Decorative laminating finish</u></b>			
Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish			
-----			
<b>Carried Forward</b>			R
Section No. 3 Renovation of 4-Classroom Block: Block B Bill No. 2 Carpentry and Joinery			

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NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 3</u></b>			
	<b><u>BILL NO. 3</u></b>			
	<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>			
	Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
	-----			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Descriptions</u>			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres and where described as "bolted" the bolts have been given elsewhere.			
	<b><u>INSULATION</u></b>			
	<b><u>"Aerolite" insulation</u></b>			
1	75mm Insulation closely fitted and laid on top of brandering between roof timbers etc	m2	62	
	<b><u>NAILED UP CEILINGS</u></b>			
	<b><u>6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</u></b>			
2	Ceilings including 38 x 38mm sawn softwood brandering at 400mm centres	m2	62	
	<b><u>"Rhino" gypsum plasterboard cornices</u></b>			
3	75mm Coved cornices	m	66	
	<b>Carried Forward to Summary of Section No. 3</b>			
	Section No. 3			
	Renovation of 4-Classroom Block: Block B			
	Bill No. 3			
	Ceilings, Partitions and Access flooring			

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NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
<b><u>HANDLES</u></b>			
<b><u>"QS Products" or similar approved</u></b>			
2	Door flush handle	No	4
<b><u>SUNDRIES</u></b>			
<b><u>"QS" or similar approved</u></b>			
3	"QS4421" Stainless steel hooded door stop plugged	No	4
<b><u>WRITING BOARDS, PINNING BOARD, ETC</u></b>			
<b><u>"Vitrex" vitreous enamelled writing boards, etc to SABS CSK-36-1980</u></b>			
4	Green writing board 4 800 x 1 140mm high consisting of two fixed panels each 2 400 x 1 140mm high complete with aluminium chalk rail, etc, plugged	No	1
<b><u>"Parrot products"</u></b>			
5	"BD0476" 2 400 x 1 200mm Aluminium framed carpet bulletin board	No	1
<b>Carried Forward to Summary of Section No. 3</b>			R
Section No. 3			
Renovation of 4-Classroom Block: Block B			
Bill No. 4			
Ironmongery			

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NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
	<u>One coat primer and two coats interior quality PVA emulsion paint</u>		
4	On ceilings and cornices	m2	210
	<u>ON FIBRE-CEMENT</u>		
	<u>Prepare and apply one undercoat and two finishing coats of Acrylic PVA emulsion paint</u>		
5	On fascias and bargeboards	m	94
	<u>PAINTWORK ETC TO NEW WORK</u>		
	Note: All paintwork to be "Dulux" or similar approved product		
	<u>ON PLASTERBOARD</u>		
	<u>One coat primer and two coats interior quality PVA emulsion paint</u>		
6	On ceilings and cornices	m2	62
Carried Forward to Summary of Section No. 3			R
Section No. 3			
Renovation of 4-Classroom Block: Block B			
Bill No. 8			
Paintwork			

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

SECTION SUMMARY - Renovation of 4-Classroom Block: Block B					Amount
Bill No		Page No			
1	Alterations	92			
2	Carpentry and Joinery	94			
3	Ceilings, Partitions and Access flooring	95			
4	Ironmongery	97			
5	Tiling	98			
6	Plumbing and Drainage	99			
7	Glazing	100			
8	Paintwork	102			
Carried to Final Summary					
Section No. 3					
Renovation of 4-Classroom Block: Block B					

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RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No	Quantity	Rate	Amount
<b><u>SECTION NO. 4</u></b>			
<b><u>BILL NO. 1</u></b>			
<b><u>ALTERATIONS TO 4-CLASSROOM BLOCK: BLOCK C</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<p><b>NOTE:</b> Contractors are advised to study the Model Preambles for Trades and <b>PW371</b></p> <p>-----</p> <p>All Tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered. No claim for a variation in the credit allowance for recoverable materials in respect of demolition items will be considered.</p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc to ensure the stability of all structures during the alteration/demolition work. The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense.</p> <p>Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service then suitable temporary or alternate services must be provided to the existing buildings.</p> <p>Special care shall be exercised during the progress of the work to ensure that any electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice must be given to the Principal agent if any disconnection or</p>			
<b>Carried Forward</b>			
Section No. 4 Renovation of 4-Classroom Block: Block C Bill No. 1 Alterations			R

**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<b>Brought Forward</b>	R
alterations become necessary.	
The Contractor shall cover up and protect from injury all work not removed and shall make good at his own expense any damage that may occur.	
Any water supply or other piping, etc that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with the proper fittings to the satisfaction of the Principal Agent. Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well as for making good plaster, screeds, etc.	
Prices for the removal of concrete slabs, etc must include for removal of reinforcement, screeds, membrane waterproofing, conduits, etc.	
Prices for the removal of concrete surface beds, etc must include for removal of reinforcement, screeds, conduits, damp proof membrane, etc. The Contractor is to note that removal of the existing floor finishes such as vinyl, carpets, ceramic tiles, etc has been measured separately.	
Taking down existing walls is to include for skirtings, cornices, conduits, pipes, brick or concrete fins, lintels, etc built into the structure and for making good walls, floors, ceilings, etc as described. The Contractor is to note that items for the removal of joinery, etc such as shelves, pelmets, curtain rails, pinning boards, signage, etc has been measured separately.	
Removal of doors, windows, fittings, etc is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc, for hacking up flooring at openings and for making good.	
Removal of sanitary fittings is to include for the removal and blocking off of service pipes, taps, traps, fixing brackets, cisterns, etc complete.	
Building up of existing openings where given in number	
<b>Carried Forward</b>	R
Section No. 4 Renovation of 4-Classroom Block: Block C Bill No. 1 Alterations	

**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<b>Brought Forward</b>	R
<p>shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and unless otherwise stated making good finishes on both sides to match existing.</p> <p>Allow for watering the works sufficiently to prevent nuisance from dust.</p> <p><b>OLD MATERIALS TO BE CARTED AWAY:</b> Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, rubble, debris etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p><b>OLD MATERIALS NOT TO BE RE-USED:</b> None of the old materials are to be used for new work except where specifically described as being set aside for re-use.</p> <p><b>OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR:</b> Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who must allow credit for same in the Final Summary.</p> <p><b>HANDING OVER OF MATERIALS:</b> Where certain materials or articles from demolitions or articles are described as to be handed over by the Contractor to the Regional Representative or Representative/Agent, such materials or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p> <p style="text-align: center;">-----</p> <p><b><u>REMOVAL OF EXISTING WORK</u></b></p>	
<b>Carried Forward</b>	R
<p>Section No. 4 Renovation of 4-Classroom Block: Block C Bill No. 1 Alterations</p>	

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
<b><u>Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes</u></b>			
1	Tiles to floors	m2	2
<b><u>Taking out and removing glass and mirrors</u></b>			
2	Carefully remove cracked or broken glazing in panes exceeding 0,1m2 and not exceeding 0,5m2 in existing metal windows and doors including scraping out putty on reveals and prepare windows and or doors to receive new glazing (New glazing elsewhere measured)	No	1
<b><u>Taking out and removing classroom fittings</u></b>			
3	1200 x 4000mm Long Chalkboard glued to timber framework	No	4
4	Pin-up Board	No	8
<b><u>SERVICING EXISTING ITEMS</u></b>			
<b><u>Servicing existing windows</u></b>			
5	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 300 x 300mm high	No	20
<b><u>Servicing existing doors</u></b>			
6	Carefully examine hinges,locks, handles and door and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 813 x 2032mm high	No	20
<b><u>Servicing existing gates</u></b>			
7	Carefully examine hinges, handles and stays to steel gates, fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of gate 900 x 2100mm high	No	20
<b>Carried Forward</b>			R
Section No. 4 Renovation of 4-Classroom Block: Block C Bill No. 1 Alterations			

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
<b><u>Wash down with high pressure low volume water jet</u></b>			
8	On existing external facebrick walls	m2	36
<b><u>MAKING GOOD OF FINISHES ETC</u></b>			
<b><u>Examination and repair of existing roof covering</u></b>			
9	Carefully examine existing IBR roof sheeting, make good any defective sheets and check roof screws/bolts and replace where necessary and prepare roof covering to receive new paint, to ensure water tightness of roofs. (Paint to be measured elsewhere)	m2	280
<b>Carried Forward to Summary of Section No. 4</b>			R
Section No. 4			
Renovation of 4-Classroom Block: Block C			
Bill No. 1			
Alterations			



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Brought Forward			R
Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"			
<b><u>REINFORCED CONCRETE</u></b>			
<b><u>25MPa/19mm concrete</u></b>			
1	Ramps	m3	2
<b><u>TEST BLOCKS</u></b>			
2	Making and testing 150 x 150 x 150mm concrete strength test cube	No	1
<b><u>CONCRETE SUNDRIES</u></b>			
<b><u>Finishing top surfaces of concrete smooth with a wood float</u></b>			
3	Ramps	m2	6
<b><u>REINFORCEMENT (PROVISIONAL)</u></b>			
<b><u>Fabric reinforcement</u></b>			
4	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m2	6
<b>Carried Forward to Summary of Section No. 4</b>			R
Section No. 4			
Renovation of 4-Classroom Block: Block C			
Bill No. 2			
Concrete, Formwork and Reinforcement			

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NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward				R
<b><u>"Vitrex" vitreous enamelled writing boards, etc to SABS CSK-36-1980</u></b>				
2	Green writing board 4 800 x 1 140mm high consisting of two fixed panels each 2 400 x 1 140mm high complete with aluminium chalk rail, etc, plugged	No	1	
<b><u>"Parrot products"</u></b>				
3	"BD0476" 2 400 x 1 200mm Aluminium framed carpet bulletin board	No	8	
<b>Carried Forward to Summary of Section No. 4</b>				
Section No. 4				R
Renovation of 4-Classroom Block: Block C				
Bill No. 3				
Ironmongery				

NWANKUPANA PRIMARY SCHOOL  
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BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 4</u></b>			
<b><u>METALWORK</u></b>			
<b>NOTE:</b> Tenderers are advised to study the Model Preambles for Trades before pricing this Bill. -----			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<u>Descriptions</u>			
Descriptions of bolts shall be deemed to include nuts and washers			
Descriptions of bolts, expansion anchors and bolts and chemical anchors and bolts shall be deemed to include all holes, nuts, washers and mortices in brickwork or concrete -----			
<u>Standard of finish</u>			
<b>All stainless steel</b> material to be used to be of stainless steel Grade 304, brushed to 180 grit			
<b>All mild and structural steel</b> shall be painted as follows unless otherwise stated:			
Apply one coat UC 182 "Plascon Plascoprime" Primer in accordance with manufacturers specification.			
Apply two coats "Plascon Velvagio" Water Based Enamel colour mouse grey in accordance with manufacturers specification.			
<u>Fastening</u>			
Unless otherwise stated, all connections to:			
<ul style="list-style-type: none"> <li>Concrete shall be chemically anchored</li> <li>Brickwork shall be expansion bolts</li> <li>Metal to metal connections shall be welded</li> </ul>			
<b>Carried Forward</b>			R
Section No. 4 Renovation of 4-Classroom Block: Block C Bill No. 4 Metalwork			

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RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward				R
<u>Compliance</u>				
All balustrading to comply with SANS 10400 & SANS 10160. Installer to table a Balustrade Compliance Certificate on completion of balustrade installation				
All angle deviations horizontal or vertical to be by means of seamless mitred joints except for landing termination bends. Workmanship sample to be tabled for approval				
Shop drawings are to be tabled for approval before manufacturing				
<b><u>WELDED SCREENS, GATES, ETC</u></b>				
<b><u>STEEL BALUSTRADES</u></b>				
<b><u>Hot dip galvanised Mild Steel ball type handrails and accessories as manufactured and supplied by Andrew Mentis (Pty) Ltd or Vital Engineering &amp; Angus Mcleod (Pty) Ltd or other equal and approved, erected in strict accordance with the Manufacturer's Instructions and Specifications</u></b>				
The items listed below are to be inclusive of the costs for supply and installation				
1	Handrailing consisting of stanchions, rails at 1,000mm and 500mm, fixing bolts, bends, closures, etc, all inclusive, to perimeter of floors	m	31	
2	Ditto, but raking over stairs	m	15	
3	Ditto, but to ramps	m	5	
<b>Carried Forward to Summary of Section No. 4</b>				R
Section No. 4				
Renovation of 4-Classroom Block: Block C				
Bill No. 4				
Metalwork				

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RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 8</u></b>			
	<b><u>PAINTWORK</u></b>			
	<b><u>PREPARATORY WORK TO EXISTING WORK</u></b>			
	<b><u>Previously painted plastered surfaces</u></b>			
	Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
	<b><u>Previously painted metal surfaces</u></b>			
	Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
	<b><u>PAINTWORK ETC TO PREVIOUSLY PAINTED WORK</u></b>			
	Note: All paintwork to be "Dulux" or similar approved product			
	<b><u>ON METAL</u></b>			
	<b><u>Prepare and apply one undercoat and two finishing coats of gloss paint on metalworks</u></b>			
1	On door frames	m2	5	
2	On windows with burglar bars	m2	9	
3	On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	106	
	<b><u>ON WOOD</u></b>			
	<b><u>Three coats polyurethane semi-gloss varnish</u></b>			
4	On doors	m2	13	
	<b>Carried Forward</b>			
	Section No. 4			
	Renovation of 4-Classroom Block: Block C			
	Bill No. 8			
	Paintwork			

R

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
<b><u>ON PLASTERBOARD</u></b>			
<b><u>One coat primer and two coats interior quality PVA emulsion paint</u></b>			
5	On ceilings and cornices	m2	266
<b><u>ON FIBRE-CEMENT</u></b>			
<b><u>Prepare and apply one undercoat and two finishing coats of Acrylic PVA emulsion paint</u></b>			
6	On fascias and bargeboards	m	98
<b>Carried Forward to Summary of Section No. 4</b>			R
Section No. 4			
Renovation of 4-Classroom Block: Block C			
Bill No. 8			
Paintwork			

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NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No	Quantity	Rate	Amount
<b><u>SECTION NO. 5</u></b>			
<b><u>BILL NO. 1</u></b>			
<b><u>ALTERATIONS TO 4-CLASSROOM BLOCK: BLOCK D</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<p><b>NOTE:</b> Contractors are advised to study the Model Preambles for Trades and <b>PW371</b></p> <p>-----</p> <p>All Tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered. No claim for a variation in the credit allowance for recoverable materials in respect of demolition items will be considered.</p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc to ensure the stability of all structures during the alteration/demolition work. The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense.</p> <p>Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service then suitable temporary or alternate services must be provided to the existing buildings.</p> <p>Special care shall be exercised during the progress of the work to ensure that any electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice must be given to the Principal agent if any disconnection or</p>			
<b>Carried Forward</b>			
Section No. 5 Renovation of 4-Classroom Block: Block D Bill No. 1 Alterations			R

**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<p style="text-align: right;"><b>Brought Forward</b></p> <p>alterations become necessary.</p> <p>The Contractor shall cover up and protect from injury all work not removed and shall make good at his own expense any damage that may occur.</p> <p>Any water supply or other piping, etc that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with the proper fittings to the satisfaction of the Principal Agent. Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well as for making good plaster, screeds, etc.</p> <p>Prices for the removal of concrete slabs, etc must include for removal of reinforcement, screeds, membrane waterproofing, conduits, etc.</p> <p>Prices for the removal of concrete surface beds, etc must include for removal of reinforcement, screeds, conduits, damp proof membrane, etc. The Contractor is to note that removal of the existing floor finishes such as vinyl, carpets, ceramic tiles, etc has been measured separately.</p> <p>Taking down existing walls is to include for skirtings, cornices, conduits, pipes, brick or concrete fins, lintels, etc built into the structure and for making good walls, floors, ceilings, etc as described. The Contractor is to note that items for the removal of joinery, etc such as shelves, pelmets, curtain rails, pinning boards, signage, etc has been measured separately.</p> <p>Removal of doors, windows, fittings, etc is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc, for hacking up flooring at openings and for making good.</p> <p>Removal of sanitary fittings is to include for the removal and blocking off of service pipes, taps, traps, fixing brackets, cisterns, etc complete.</p> <p>Building up of existing openings where given in number</p>	<p style="text-align: right;">R</p>
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 5 Renovation of 4-Classroom Block: Block D Bill No. 1 Alterations</p>	<p style="text-align: right;">R</p>

**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<b>Brought Forward</b>	R
<p>shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and unless otherwise stated making good finishes on both sides to match existing.</p> <p>Allow for watering the works sufficiently to prevent nuisance from dust.</p> <p><b>OLD MATERIALS TO BE CARTED AWAY:</b> Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, rubble, debris etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p><b>OLD MATERIALS NOT TO BE RE-USED:</b> None of the old materials are to be used for new work except where specifically described as being set aside for re-use.</p> <p><b>OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR:</b> Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who must allow credit for same in the Final Summary.</p> <p><b>HANDING OVER OF MATERIALS:</b> Where certain materials or articles from demolitions or articles are described as to be handed over by the Contractor to the Regional Representative or Representative/Agent, such materials or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p> <p style="text-align: center;">-----</p> <p><b><u>REMOVAL OF EXISTING WORK</u></b></p>	
<b>Carried Forward</b>	R
<p>Section No. 5 Renovation of 4-Classroom Block: Block D Bill No. 1 Alterations</p>	

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
<b><u>Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes</u></b>			
1	Tiles to floors	m2	2
<b><u>Taking out and removing classroom fittings</u></b>			
2	1200 x 4000mm Long Chalkboard glued to timber framework	No	4
3	Pin-up Board	No	8
<b><u>SERVICING EXISTING ITEMS</u></b>			
<b><u>Servicing existing windows</u></b>			
4	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 300 x 300mm high	No	20
<b><u>Servicing existing doors</u></b>			
5	Carefully examine hinges,locks, handles and door and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 813 x 2032mm high	No	4
<b><u>Servicing existing gates</u></b>			
6	Carefully examine hinges, handles and stays to steel gates, fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of gate 900 x 2100mm high	No	4
<b><u>Wash down with high pressure low volume water jet</u></b>			
7	On existing external facebrick walls	m2	36
<b><u>MAKING GOOD OF FINISHES ETC</u></b>			
Carried Forward			R
Section No. 5 Renovation of 4-Classroom Block: Block D Bill No. 1 Alterations			



NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward				R
<b><u>Examination and repair of existing roof covering</u></b>				
8	Carefully examine existing IBR roof sheeting, make good any defective sheets and check roof screws/bolts and replace where necessary and prepare roof covering to receive new paint, to ensure water tightness of roofs. (Paint to be measured elsewhere)	m2	280	
<b>Carried Forward to Summary of Section No. 5</b>				R
Section No. 5				
Renovation of 4-Classroom Block: Block D				
Bill No. 1				
Alterations				

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RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward				R
<b><u>"Virtrex" vitreous enamelled writing boards, etc to SABS CSK-36-1980</u></b>				
2	Green writing board 4 800 x 1 140mm high consisting of two fixed panels each 2 400 x 1 140mm high complete with aluminium chalk rail, etc, plugged	No	4	
<b><u>"Parrot products"</u></b>				
3	"BD0476" 2 400 x 1 200mm Aluminium framed carpet bulletin board	No	8	
<b>Carried Forward to Summary of Section No. 5</b>				
Section No. 5				R
Renovation of 4-Classroom Block: Block D				
Bill No. 2				
Ironmongery				

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 3</u></b>			
<b><u>METALWORK</u></b>			
<b>NOTE:</b> Tenderers are advised to study the Model Preambles for Trades before pricing this Bill. -----			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<u>Descriptions</u>			
Descriptions of bolts shall be deemed to include nuts and washers  Descriptions of bolts, expansion anchors and bolts and chemical anchors and bolts shall be deemed to include all holes, nuts, washers and mortices in brickwork or concrete -----			
<u>Standard of finish</u>			
<b>All stainless steel</b> material to be used to be of stainless steel Grade 304, brushed to 180 grit  <b>All mild and structural steel</b> shall be painted as follows unless otherwise stated:  Apply one coat UC 182 "Plascon Plascoprime" Primer in accordance with manufacturers specification.  Apply two coats "Plascon Velvagio" Water Based Enamel colour mouse grey in accordance with manufacturers specification.			
<u>Fastening</u>			
Unless otherwise stated, all connections to: <ul style="list-style-type: none"> <li>• Concrete shall be chemically anchored</li> <li>• Brickwork shall be expansion bolts</li> <li>• Metal to metal connections shall be welded</li> </ul>			
<b>Carried Forward</b>			
Section No. 5 Renovation of 4-Classroom Block: Block D Bill No. 3 Metalwork			R

**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<b>Brought Forward</b>					<b>R</b>
<u>Compliance</u>					
All balustrading to comply with SANS 10400 & SANS 10160. Installer to table a Balustrade Compliance Certificate on completion of balustrade installation					
All angle deviations horizontal or vertical to be by means of seamless mitred joints except for landing termination bends. Workmanship sample to be tabled for approval					
Shop drawings are to be tabled for approval before manufacturing					
<b><u>WELDED SCREENS, GATES, ETC</u></b>					
<b><u>STEEL BALUSTRADES</u></b>					
<b><u>Hot dip galvanised Mild Steel ball type handrails and accessories as manufactured and supplied by Andrew Mentis (Pty) Ltd or Vital Engineering &amp; Angus Mcleod (Pty) Ltd or other equal and approved, erected in strict accordance with the Manufacturer's Instructions and Specifications</u></b>					
The items listed below are to be inclusive of the costs for supply and installation					
1	Handrailing consisting of stanchions, rails at 1,000mm and 500mm, fixing bolts, bends, closures, etc, all inclusive, to perimeter of floors	m	31		
2	Ditto, but raking over stairs	m	15		
3	Ditto, but to ramps	m	5		
<b>Carried Forward to Summary of Section No. 5</b>					<b>R</b>
Section No. 5					
Renovation of 4-Classroom Block: Block D					
Bill No. 3					
Metalwork					

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RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No		Quantity	Rate	Amount
	<b><u>BILL NO. 6</u></b>			
	<b><u>PAINTWORK</u></b>			
	<b><u>PREPARATORY WORK TO EXISTING WORK</u></b>			
	<b><u>Previously painted plastered surfaces</u></b>			
	Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and cracks shall be opened, filled with a suitable filler and finished smooth			
	<b><u>Previously painted metal surfaces</u></b>			
	Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal			
	<b><u>PAINTWORK ETC TO PREVIOUSLY PAINTED WORK</u></b>			
	Note: All paintwork to be "Dulux" or similar approved product			
	<b><u>ON METAL</u></b>			
	<b><u>Prepare and apply one undercoat and two finishing coats of gloss paint on metalworks</u></b>			
1	On door frames	m2	5	
2	On windows with burglar bars	m2	47	
3	On gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	106	
	<b><u>ON WOOD</u></b>			
	<b><u>Three coats polyurethane semi-gloss varnish</u></b>			
4	On doors	m2	13	
	<b>Carried Forward</b>			
	Section No. 5			
	Renovation of 4-Classroom Block: Block D			
	Bill No. 6			
	Paintwork			

R



NWANKUPANA PRIMARY SCHOOL  
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IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
<b><u>ON PLASTERBOARD</u></b>			
<b><u>One coat primer and two coats interior quality PVA emulsion paint</u></b>			
5	On ceilings and cornices	m2	266
<b><u>ON FIBRE-CEMENT</u></b>			
<b><u>Prepare and apply one undercoat and two finishing coats of Acrylic PVA emulsion paint</u></b>			
6	On fascias and bargeboards	m	94
Carried Forward to Summary of Section No. 5			R
Section No. 5			
Renovation of 4-Classroom Block: Block D			
Bill No. 6			
Paintwork			

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RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

SECTION SUMMARY - Renovation of 4-Classroom Block: Block D					Amount
Bill No		Page No			
1	Alterations	125			
2	Ironmongery	127			
3	Metalwork	129			
4	Tiling	130			
5	Plumbing and Drainage	131			
6	Paintwork	133			
Carried to Final Summary				R	
Section No. 5 Renovation of 4-Classroom Block: Block D					

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No	Quantity	Rate	Amount
<b><u>SECTION NO. 6</u></b>			
<b><u>BILL NO. 1</u></b>			
<b><u>ALTERATIONS TO ABLUTION BLOCK: BOYS</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<p><b>NOTE:</b> Contractors are advised to study the Model Preambles for Trades and <b>PW371</b></p> <p>-----</p> <p>All Tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered. No claim for a variation in the credit allowance for recoverable materials in respect of demolition items will be considered.</p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc to ensure the stability of all structures during the alteration/demolition work. The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense.</p> <p>Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service then suitable temporary or alternate services must be provided to the existing buildings.</p> <p>Special care shall be exercised during the progress of the work to ensure that any electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice must be given to the Principal agent if any disconnection or</p>			
<b>Carried Forward</b>			R
Section No. 6 Renovations of Ablution Block: Boys Bill No. 1 Alterations			

**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<b>Brought Forward</b>	R
alterations become necessary.	
The Contractor shall cover up and protect from injury all work not removed and shall make good at his own expense any damage that may occur.	
Any water supply or other piping, etc that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with the proper fittings to the satisfaction of the Principal Agent. Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well as for making good plaster, screeds, etc.	
Prices for the removal of concrete slabs, etc must include for removal of reinforcement, screeds, membrane waterproofing, conduits, etc.	
Prices for the removal of concrete surface beds, etc must include for removal of reinforcement, screeds, conduits, damp proof membrane, etc. The Contractor is to note that removal of the existing floor finishes such as vinyl, carpets, ceramic tiles, etc has been measured separately.	
Taking down existing walls is to include for skirtings, cornices, conduits, pipes, brick or concrete fins, lintels, etc built into the structure and for making good walls, floors, ceilings, etc as described. The Contractor is to note that items for the removal of joinery, etc such as shelves, pelmets, curtain rails, pinning boards, signage, etc has been measured separately.	
Removal of doors, windows, fittings, etc is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc, for hacking up flooring at openings and for making good.	
Removal of sanitary fittings is to include for the removal and blocking off of service pipes, taps, traps, fixing brackets, cisterns, etc complete.	
Building up of existing openings where given in number	
<b>Carried Forward</b>	R
Section No. 6 Renovations of Ablution Block: Boys Bill No. 1 Alterations	

**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<b>Brought Forward</b>	R
<p>shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and unless otherwise stated making good finishes on both sides to match existing.</p> <p>Allow for watering the works sufficiently to prevent nuisance from dust.</p> <p><b>OLD MATERIALS TO BE CARTED AWAY:</b> Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, rubble, debris etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p><b>OLD MATERIALS NOT TO BE RE-USED:</b> None of the old materials are to be used for new work except where specifically described as being set aside for re-use.</p> <p><b>OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR:</b> Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who must allow credit for same in the Final Summary.</p> <p><b>HANDING OVER OF MATERIALS:</b> Where certain materials or articles from demolitions or articles are described as to be handed over by the Contractor to the Regional Representative or Representative/Agent, such materials or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p> <p style="text-align: center;">-----</p> <p><b><u>REMOVAL OF EXISTING WORK</u></b></p>	
<b>Carried Forward</b>	R
<p>Section No. 6 Renovations of Ablution Block: Boys Bill No. 1 Alterations</p>	

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
<b><u>Carefully take out and remove from site the following including making good to all works disturbed</u></b>			
1	Existing three lever lockset	No	16
2	Existing hinges	No	48
3	Existing set of pull handle	No	16
4	Existing set door stop	No	16
<b><u>Taking out and removing glass and mirrors</u></b>			
5	Carefully remove cracked or broken glazing in panes exceeding 0,1m2 and not exceeding 0,5m2 in existing metal windows and doors including scraping out putty on reveals and prepare windows and or doors to receive new glazing (New glazing elsewhere measured)	No	2
<b><u>Hacking up/off and removing granolithic, screeds,plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u></b>			
6	Carefully remove granolithic floor finish and prepare surfaces to receive new ceramic tiles	m2	75
<b><u>SERVICING EXISTING ITEMS</u></b>			
<b><u>Servicing existing windows</u></b>			
7	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 300 x 300mm high	No	16
<b><u>Servicing existing doors</u></b>			
8	Carefully examine hinges,locks, handles and door and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 813 x 2032mm high	No	16
Carried Forward			R
Section No. 6 Renovations of Ablution Block: Boys Bill No. 1 Alterations			

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward				R
<b><u>Servicing existing gates</u></b>				
9	Carefully examine hinges, handles and stays to steel gates, fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of gate 900 x 2100mm high	No	3	
<b><u>MAKING GOOD OF FINISHES ETC</u></b>				
<b><u>Examination and repair of existing roof covering</u></b>				
10	Carefully examine existing IBR roof sheeting, make good any defective sheets and check roof screws/bolts and replace where necessary and prepare roof covering to receive new paint, to ensure water tightness of roofs. (Paint to be measured elsewhere)	m2	75	
<b>Carried Forward to Summary of Section No. 6</b>				R
Section No. 6				
Renovations of Ablution Block: Boys				
Bill No. 1				
Alterations				

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
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IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 2</u></b>			
<b><u>CARPENTRY AND JOINERY</u></b>			
Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
-----			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>Particle board</u></b>			
Particle board shall comply with the following specifications:			
a) SABS 1300 Particle board: exterior and flooring type			
b) SABS 1301 Particle board: interior type			
<b><u>Joinery</u></b>			
Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc			
Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes			
<b><u>Fixing</u></b>			
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.			
<b><u>Decorative laminating finish</u></b>			
Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish			
-----			
<b><u>DOORS, ETC</u></b>			
<b>Carried Forward</b>			R
Section No. 6 Renovations of Ablution Block: Boys Bill No. 2 Carpentry and Joinery			



NWANKUPANA PRIMARY SCHOOL  
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BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward		R	
<u>Wrought meranti</u>			
1	Meranti framed batten external single door (PC R2200.00/No)	No	16
Carried Forward to Summary of Section No. 6		R	
Section No. 6			
Renovations of Ablution Block: Boys			
Bill No. 2			
Carpentry and Joinery			

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BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 5</u></b>			
<b><u>PLUMBING AND DRAINAGE</u></b>			
<b><u>(PROVISIONAL)</u></b>			
Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
-----			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>"Polycop" polypropylene pipes:</u></b>			
Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated			
Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions			
All pipe diameters are nominal external			
<b><u>uPVC pipes and fittings</u></b>			
Soil, waste and vent pipes and fittings shall be solvent weld jointed			
<b><u>uPVC pressure pipes and fittings</u></b>			
Pipes for water supply shall be of the class stated			
Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings			
<b>Carried Forward</b>			R
Section No. 6 Renovations of Ablution Block: Boys Bill No. 5 Plumbing and Drainage			

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BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<p style="text-align: center;"><b>Brought Forward</b></p> <p>Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints</p> <p><b><u>Copper pipes</u></b></p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground</p> <p><b><u>Fixing of pipes</u></b></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><b><u>Reducing fittings</u></b></p> <p>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained</p> <p><b><u>Exposed concrete surfaces</u></b></p> <p>Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster</p>	<p style="text-align: center;">R</p>
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 6 Renovations of Ablution Block: Boys Bill No. 5 Plumbing and Drainage</p>	<p style="text-align: center;">R</p>

**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<p style="text-align: right;"><b>Brought Forward</b></p> <p><b><u>Excavations</u></b></p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</p> <p>"Soft rock" and "hard rock" shall be as defined in "Earthworks"</p> <p><b><u>Laying, backfilling, bedding, etc. of pipes</u></b></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</p> <p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding</p> <p><b><u>Flush pans</u></b></p> <p>Flush pans shall have straight or side outlets and "P" or "S" traps as necessary</p> <p><b><u>Stainless steel basins, sinks, wash troughs, urinals, etc.</u></b></p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><b><u>Waste unions</u></b></p> <p>Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings</p> <p><b><u>SANITARY FITTINGS</u></b></p>	<p style="text-align: right;">R</p>
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 6 Renovations of Ablution Block: Boys Bill No. 5 Plumbing and Drainage</p>	<p style="text-align: right;">R</p>

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
<b><u>Service existing Sanitary fittings</u></b>			
1	Carefully examine water cistern, traps and piping for any leaks, worn parts, etc, repair and fully service same to ensure functionality, all to the satisfaction of the Principal Agent	No 10	
2	Carefully examine wash hand basins, taps, traps, and piping for any leaks, worn parts, etc, repair and fully service to ensure functionality, all to the satisfactory of the Principal Agent.	No 6	
3	Carefully examine urinals, traps and piping for any leaks, worn parts, etc, repair and fully service same to ensure functionality, all to the satisfaction of the Principal Agent	No 6	
<b><u>TESTING</u></b>			
4	Testing water pipe system	Item	
<b><u>FIRE APPLIANCES ETC</u></b>			
<b><u>"Chubb" or similar approved</u></b>			
5	4,5kg Carbon dioxide fire extinguisher	No 1	
<b>Carried Forward to Summary of Section No. 6</b>			R
Section No. 6			
Renovations of Ablution Block: Boys			
Bill No. 5			
Plumbing and Drainage			



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NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
<u>Apply two coats of Acrylic PVA emulsion paint on work previously painted</u>			
4	On internal walls	m2	261
5	On narrow widths	m2	4
<u>ON PLASTERBOARD</u>			
<u>One coat primer and two coats interior quality PVA emulsion paint</u>			
6	On ceilings and cornices	m2	75
<u>ON FIBRE-CEMENT</u>			
<u>Prepare and apply one undercoat and two finishing coats of Acrylic PVA emulsion paint</u>			
7	On fascias and bargeboards	m	56
<u>PAINTWORK ETC TO NEW WORK</u>			
Note: All paintwork to be "Dulux" or similar approved product			
<u>ON WOOD</u>			
<u>Three coats polyurethane semi-gloss varnish</u>			
8	On doors	m2	53
<b>Carried Forward to Summary of Section No. 6</b>			R
Section No. 6			
Renovations of Ablution Block: Boys			
Bill No. 7			
Paintwork			

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**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<p style="text-align: center;"><b>Brought Forward</b></p> <p>All Tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered. No claim for a variation in the credit allowance for recoverable materials in respect of demolition items will be considered.</p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc to ensure the stability of all structures during the alteration/demolition work. The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense.</p> <p>Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service then suitable temporary or alternate services must be provided to the existing buildings.</p> <p>Special care shall be exercised during the progress of the work to ensure that any electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice must be given to the Principal agent if any disconnection or alterations become necessary.</p> <p>The Contractor shall cover up and protect from injury all work not removed and shall make good at his own expense any damage that may occur.</p> <p>Any water supply or other piping, etc that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with the proper fittings to the satisfaction of the Principal Agent. Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well</p>	<p style="text-align: center;"><b>R</b></p>
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 7 Renovation of Ablution Block: Girls Bill No. 1 Alterations</p>	<p style="text-align: center;"><b>R</b></p>

**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<b>Brought Forward</b>	<b>R</b>
<p>as for making good plaster, screeds, etc.</p> <p>Prices for the removal of concrete slabs, etc must include for removal of reinforcement, screeds, membrane waterproofing, conduits, etc.</p> <p>Prices for the removal of concrete surface beds, etc must include for removal of reinforcement, screeds, conduits, damp proof membrane, etc. The Contractor is to note that removal of the existing floor finishes such as vinyl, carpets, ceramic tiles, etc has been measured separately.</p> <p>Taking down existing walls is to include for skirtings, cornices, conduits, pipes, brick or concrete fins, lintels, etc built into the structure and for making good walls, floors, ceilings, etc as described. The Contractor is to note that items for the removal of joinery, etc such as shelves, pelmets, curtain rails, pinning boards, signage, etc has been measured separately.</p> <p>Removal of doors, windows, fittings, etc is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc, for hacking up flooring at openings and for making good.</p> <p>Removal of sanitary fittings is to include for the removal and blocking off of service pipes, taps, traps, fixing brackets, cisterns, etc complete.</p> <p>Building up of existing openings where given in number shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and unless otherwise stated making good finishes on both sides to match existing.</p> <p>Allow for watering the works sufficiently to prevent nuisance from dust.</p> <p><b>OLD MATERIALS TO BE CARTED AWAY:</b> Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, rubble, debris etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p>	
<b>Carried Forward</b>	<b>R</b>
<p>Section No. 7 Renovation of Ablution Block: Girls Bill No. 1 Alterations</p>	

**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<b>Brought Forward</b>			R
<p>OLD MATERIALS NOT TO BE RE-USED: None of the old materials are to be used for new work except where specifically described as being set aside for re-use.</p> <p>OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR: Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who must allow credit for same in the Final Summary.</p> <p>HANDING OVER OF MATERIALS: Where certain materials or articles from demolitions or articles are described as to be handed over by the Contractor to the Regional Representative or Representative/Agent, such materials or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p> <p style="text-align: center;">-----</p> <p><b><u>REMOVAL OF EXISTING WORK</u></b></p> <p><b><u>Taking out and removing glass and mirrors</u></b></p>			
1	Carefully remove cracked or broken glazing in panes exceeding 0,1m <sup>2</sup> and not exceeding 0,5m <sup>2</sup> in existing metal windows and doors including scraping out putty on reveals and prepare windows and or doors to receive new glazing (New glazing elsewhere measured)	No	1
<b>Carried Forward</b>			R
<p>Section No. 7 Renovation of Ablution Block: Girls Bill No. 1 Alterations</p>			



NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward				R
<b><u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc</u></b>				
2	Carefully remove granolithic floor finish and prepare surfaces to receive new ceramic tiles	m2	75	
<b><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u></b>				
3	Gypsum plasterboard ceilings including cornices, timber bandering, etc	m2	6	
<b><u>SERVICING EXISTING ITEMS</u></b>				
<b><u>Servicing existing windows</u></b>				
4	Carefully examine hinges, handles and stays to steel windows, replace putty to glazing of steel windows and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 300 x 300mm high	No	16	
<b><u>Servicing existing doors</u></b>				
5	Carefully examine hinges, locks, handles and door and fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of window 813 x 2032mm high	No	16	
<b><u>Servicing existing gates</u></b>				
6	Carefully examine hinges, handles and stays to steel gates, fully service same to facilitate smooth functionality, all to the satisfaction of the Principal Agent, overall size of gate 900 x 2100mm high	No	3	
<b><u>MAKING GOOD OF FINISHES ETC</u></b>				
<b>Carried Forward</b>				R
Section No. 7 Renovation of Ablution Block: Girls Bill No. 1 Alterations				

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward		R	
<b><u>Examination and repair of existing roof covering</u></b>			
7	Carefully examine existing IBR roof sheeting, make good any defective sheets and check roof screws/bolts and replace where necessary and prepare roof covering to receive new paint, to ensure water tightness of roofs. (Paint to be measured elsewhere)	m2	75
<b>Carried Forward to Summary of Section No. 7</b>		R	
Section No. 7			
Renovation of Ablution Block: Girls			
Bill No. 1			
Alterations			

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No		Quantity	Rate	Amount
	<b><u>SECTION NO. 7</u></b>			
	<b><u>BILL NO. 2</u></b>			
	<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></b>			
	Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
	-----			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<u>Descriptions</u>			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete.			
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres and where described as "bolted" the bolts have been given elsewhere.			
	<b><u>INSULATION</u></b>			
	<b><u>"Aerolite" insulation</u></b>			
1	75mm Insulation closely fitted and laid on top of brandering between roof timbers etc	m2	6	
	<b><u>NAILED UP CEILINGS</u></b>			
	<b><u>6,4mm "Rhino" gypsum plasterboard with H-type pressed steel jointing strips</u></b>			
2	Ceilings including 38 x 38mm sawn softwood brandering at 400mm centres	m2	6	
	<b><u>"Rhino" gypsum plasterboard cornices</u></b>			
3	75mm Coved cornices	m	24	
	<b>Carried Forward to Summary of Section No. 7</b>			
	Section No. 7			
	Renovation of Ablution Block: Girls			
	Bill No. 2			
	Ceilings, Partitions and Access flooring			

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NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 5</u></b>			
<b><u>PLUMBING AND DRAINAGE</u></b>			
<b><u>(PROVISIONAL)</u></b>			
Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
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<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>"Polycop" polypropylene pipes:</u></b>			
Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated			
Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions			
All pipe diameters are nominal external			
<b><u>uPVC pipes and fittings</u></b>			
Soil, waste and vent pipes and fittings shall be solvent weld jointed			
<b><u>uPVC pressure pipes and fittings</u></b>			
Pipes for water supply shall be of the class stated			
Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings			
<b>Carried Forward</b>			R
Section No. 7 Renovation of Ablution Block: Girls Bill No. 5 Plumbing and Drainage			

**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<p style="text-align: center;"><b>Brought Forward</b></p> <p>Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints</p> <p><b><u>Copper pipes</u></b></p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground</p> <p><b><u>Fixing of pipes</u></b></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><b><u>Reducing fittings</u></b></p> <p>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained</p> <p><b><u>Exposed concrete surfaces</u></b></p> <p>Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster</p>	<p style="text-align: center;">R</p>
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 7 Renovation of Ablution Block: Girls Bill No. 5 Plumbing and Drainage</p>	<p style="text-align: center;">R</p>



**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<p style="text-align: right;"><b>Brought Forward</b></p> <p><b><u>Excavations</u></b></p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</p> <p>"Soft rock" and "hard rock" shall be as defined in "Earthworks"</p> <p><b><u>Laying, backfilling, bedding, etc. of pipes</u></b></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</p> <p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding</p> <p><b><u>Flush pans</u></b></p> <p>Flush pans shall have straight or side outlets and "P" or "S" traps as necessary</p> <p><b><u>Stainless steel basins, sinks, wash troughs, urinals, etc.</u></b></p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><b><u>Waste unions</u></b></p> <p>Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings</p>	<p style="text-align: right;">R</p>
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 7 Renovation of Ablution Block: Girls Bill No. 5 Plumbing and Drainage</p>	<p style="text-align: right;">R</p>

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward				R
<b><u>SANITARY FITTINGS</u></b>				
<b><u>Service existing Sanitary fittings</u></b>				
1	Carefully examine water cistern, traps and piping for any leaks, worn parts, etc, repair and fully service same to ensure functionality, all to the satisfaction of the Principal Agent.	No	10	
2	Carefully examine wash hand basins, taps, traps, and piping for any leaks, worn parts, etc, repair and fully service to ensure functionality, all to the satisfactory of the Principal Agent.	No	6	
<b><u>TESTING</u></b>				
3	Testing water pipe system		Item	
<b><u>FIRE APPLIANCES ETC</u></b>				
<b><u>"Chubb" or similar approved</u></b>				
4	4,5kg Carbon dioxide fire extinguisher	No	1	
<b>Carried Forward to Summary of Section No. 7</b>				R
Section No. 7				
Renovation of Ablution Block: Girls				
Bill No. 5				
Plumbing and Drainage				

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NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

	<b>Brought Forward</b>			R
	<b><u>ON WOOD</u></b>			
	<b><u>Three coats polyurethane semi-gloss varnish</u></b>			
4	On doors	m2	53	
	<b><u>ON FLOATED PLASTER</u></b>			
	<b><u>Apply two coats of Acrylic PVA emulsion paint on work previously painted</u></b>			
5	On internal walls	m2	197	
6	On narrow widths	m2	4	
	<b><u>ON PLASTERBOARD</u></b>			
	<b><u>One coat primer and two coats interior quality PVA emulsion paint</u></b>			
7	On ceilings and cornices	m2	69	
	<b><u>ON FIBRE-CEMENT</u></b>			
	<b><u>Prepare and apply one undercoat and two finishing coats of Acrylic PVA emulsion paint</u></b>			
8	On fascias and bargeboards	m	48	
	<b><u>PAINTWORK ETC TO NEW WORK</u></b>			
	Note: All paintwork to be "Dulux" or similar approved product			
	<b><u>ON PLASTERBOARD</u></b>			
	<b><u>One coat primer and two coats interior quality PVA emulsion paint</u></b>			
9	On ceilings and cornices	m2	6	
	<b><u>ON FIBRE-CEMENT</u></b>			
	<b>Carried Forward</b>			R
	Section No. 7			
	Renovation of Ablution Block: Girls			
	Bill No. 7			
	Paintwork			

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NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No	Quantity	Rate	Amount
<b><u>SECTION NO. 8</u></b>			
<b><u>BILL NO. 1</u></b>			
<b><u>ALTERATIONS TO ABLUTION BLOCK: GRADE R</u></b>			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<p><b>NOTE:</b> Contractors are advised to study the Model Preambles for Trades and <b>PW371</b></p> <p>-----</p> <p>All Tenderers will be deemed to have visited the site prior to submitting their tender to determine the nature and extent of the alteration and demolition work and the value of the materials to be recovered. No claim for a variation in the credit allowance for recoverable materials in respect of demolition items will be considered.</p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>In taking down and removing existing work the utmost care must be taken to avoid any structural or other damage to the remaining portions of the building and the Contractor shall provide all shoring, needling, strutting, etc to ensure the stability of all structures during the alteration/demolition work. The Contractor will be held solely responsible for the safety and stability of the buildings for the whole period of the contract and must make good any damage at his own expense.</p> <p>Existing services must be maintained at all times to the existing buildings. If it is found necessary to disconnect any service then suitable temporary or alternate services must be provided to the existing buildings.</p> <p>Special care shall be exercised during the progress of the work to ensure that any electrical installation, water supply pipes, telephone and other services which may be encountered are not interfered with and notice must be given to the Principal agent if any disconnection or</p>			
<b>Carried Forward</b>			
Section No. 8 Renovations of Ablution Block: Grade R Bill No. 1 Alterations			R



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BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<p style="text-align: right;"><b>Brought Forward</b></p> <p>alterations become necessary.</p> <p>The Contractor shall cover up and protect from injury all work not removed and shall make good at his own expense any damage that may occur.</p> <p>Any water supply or other piping, etc that may be encountered and found necessary to disconnect or cut are to be effectually stopped off and any new connections that may be necessary shall be made with the proper fittings to the satisfaction of the Principal Agent. Where sanitary fittings, geysers, etc are to be removed the Contractor shall allow for removing all exposed waste or water supply pipes to the nearest suitable junction or connection and stopping off, as well as for making good plaster, screeds, etc.</p> <p>Prices for the removal of concrete slabs, etc must include for removal of reinforcement, screeds, membrane waterproofing, conduits, etc.</p> <p>Prices for the removal of concrete surface beds, etc must include for removal of reinforcement, screeds, conduits, damp proof membrane, etc. The Contractor is to note that removal of the existing floor finishes such as vinyl, carpets, ceramic tiles, etc has been measured separately.</p> <p>Taking down existing walls is to include for skirtings, cornices, conduits, pipes, brick or concrete fins, lintels, etc built into the structure and for making good walls, floors, ceilings, etc as described. The Contractor is to note that items for the removal of joinery, etc such as shelves, pelmets, curtain rails, pinning boards, signage, etc has been measured separately.</p> <p>Removal of doors, windows, fittings, etc is to include for their removal complete with frames, ironmongery, glass, quadrants, architraves, skirtings, burglar bars and all accessories to walls, reveals, around openings, for cutting out cills, etc, for hacking up flooring at openings and for making good.</p> <p>Removal of sanitary fittings is to include for the removal and blocking off of service pipes, taps, traps, fixing brackets, cisterns, etc complete.</p> <p>Building up of existing openings where given in number</p>	<p style="text-align: right;">R</p>
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 8 Renovations of Ablution Block: Grade R Bill No. 1 Alterations</p>	<p style="text-align: right;">R</p>

**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<b>Brought Forward</b>	R
<p>shall be deemed to include preparing existing surfaces all round, brickwork properly toothed and bonded to existing and shot pinned to concrete, wedging up and unless otherwise stated making good finishes on both sides to match existing.</p> <p>Allow for watering the works sufficiently to prevent nuisance from dust.</p> <p><b>OLD MATERIALS TO BE CARTED AWAY:</b> Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, rubble, debris etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p><b>OLD MATERIALS NOT TO BE RE-USED:</b> None of the old materials are to be used for new work except where specifically described as being set aside for re-use.</p> <p><b>OLD MATERIALS TO BECOME THE PROPERTY OF THE CONTRACTOR:</b> Old materials from alterations, except where described to be re-used or handed over, become the property of the Contractor who must allow credit for same in the Final Summary.</p> <p><b>HANDING OVER OF MATERIALS:</b> Where certain materials or articles from demolitions or articles are described as to be handed over by the Contractor to the Regional Representative or Representative/Agent, such materials or articles shall be properly stored by the Contractor, until handing over thereof. The Contractor must obtain an official receipt listing the materials or articles and dates of handing over. If the Contractor fails to submit the receipt when requested, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Department for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p> <p style="text-align: center;">-----</p> <p><b><u>REMOVAL OF EXISTING WORK</u></b></p>	
<b>Carried Forward</b>	R
<p>Section No. 8 Renovations of Ablution Block: Grade R Bill No. 1 Alterations</p>	

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NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward		R	
<b><u>Examination and repair of existing roof covering</u></b>			
6	Carefully examine existing IBR roof sheeting, make good any defective sheets and check roof screws/bolts and replace where necessary and prepare roof covering to receive new paint, to ensure water tightness of roofs. (Paint to be measured elsewhere)	m2	14
<b>Carried Forward to Summary of Section No. 8</b>		R	
Section No. 8			
Renovations of Ablution Block: Grade R			
Bill No. 1			
Alterations			

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NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
<b><u>HANDLES</u></b>			
<b><u>"QS Products" or similar approved</u></b>			
2	Door flush handle	No	2
<b><u>LETTERS, NAMEPLATES, ETC</u></b>			
<b><u>"Union" or similar approved</u></b>			
3	75 x 150mm Natural anodised aluminium plate with male/female symbol	No	2
<b>Carried Forward to Summary of Section No. 8</b>			R
Section No. 8			
Renovations of Ablution Block: Grade R			
Bill No. 2			
Ironmongery			

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NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No	Quantity	Rate	Amount
<b><u>BILL NO. 4</u></b>			
<b><u>PLUMBING AND DRAINAGE</u></b>			
<b><u>(PROVISIONAL)</u></b>			
Tenderers are advised to study the Model Preambles for Trades before pricing this Bill			
-----			
<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
<b><u>"Polycop" polypropylene pipes:</u></b>			
Polypropylene pipes 54mm diameter and under shall be seamless copper coloured class 16 pipes jointed with "Fast-fuse" heat welded thermoplastic or brass compression fittings as designed for use with copper pipes as stated			
Pipes shall be firmly fixed to walls etc with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions			
All pipe diameters are nominal external			
<b><u>uPVC pipes and fittings</u></b>			
Soil, waste and vent pipes and fittings shall be solvent weld jointed			
<b><u>uPVC pressure pipes and fittings</u></b>			
Pipes for water supply shall be of the class stated			
Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings			
<b>Carried Forward</b>		R	
Section No. 8 Renovations of Ablution Block: Grade R Bill No. 4 Plumbing and Drainage			



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RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<p style="text-align: center;"><b>Brought Forward</b></p> <p>Pipes of 50mm diameter and greater shall have sockets and spigots with push in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints</p> <p><b><u>Copper pipes</u></b></p> <p>Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground</p> <p><b><u>Fixing of pipes</u></b></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls etc, casting in, building in or suspending not exceeding 1m below suspension level</p> <p><b><u>Reducing fittings</u></b></p> <p>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained</p> <p><b><u>Exposed concrete surfaces</u></b></p> <p>Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster</p>	<p style="text-align: center;">R</p>
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section No. 8 Renovations of Ablution Block: Grade R Bill No. 4 Plumbing and Drainage</p>	<p style="text-align: center;">R</p>

**NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<p style="text-align: right;"><b>Brought Forward</b></p> <p><b><u>Excavations</u></b></p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</p> <p>"Soft rock" and "hard rock" shall be as defined in "Earthworks"</p> <p><b><u>Laying, backfilling, bedding, etc. of pipes</u></b></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</p> <p>Where no manufacturers' instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding</p> <p><b><u>Flush pans</u></b></p> <p>Flush pans shall have straight or side outlets and "P" or "S" traps as necessary</p> <p><b><u>Stainless steel basins, sinks, wash troughs, urinals, etc.</u></b></p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><b><u>Waste unions</u></b></p> <p>Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings</p>	<p style="text-align: right;">R</p>
<p style="text-align: right;"><b>Carried Forward</b></p> <p>Section No. 8 Renovations of Ablution Block: Grade R Bill No. 4 Plumbing and Drainage</p>	<p style="text-align: right;">R</p>

NWANKUPANA PRIMARY SCHOOL  
RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
<b><u>SANITARY FITTINGS</u></b>			
<b><u>Service existing Sanitary fittings</u></b>			
1	Carefully examine water cistern traps and piping for any leaks, worn parts, etc repair and fully service to ensure functionality, all ti the satisfaction of the Principal Agent	No	2
2	Carefully examine wash hand basin, taps, traps and piping for any leaks, worn parts, etc, repair and fully service to ensure functionality, all to the satisfactory of the Principal Agent.	No	2
<b><u>TESTING</u></b>			
3	Testing water pipe system		Item
<b><u>FIRE APPLIANCES ETC</u></b>			
<b><u>"Chubb" or similar approved</u></b>			
4	4,5kg Carbon dioxide fire extinguisher	No	1
<b>Carried Forward to Summary of Section No. 8</b>			
Section No. 8			R
Renovations of Ablution Block: Grade R			
Bill No. 4			
Plumbing and Drainage			

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RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
<u>Apply two coats of Acrylic PVA emulsion paint on work previously painted</u>			
5	On internal walls	m2	72
6	On narrow widths	m2	1
<u>ON PLASTERBOARD</u>			
<u>One coat primer and two coats interior quality PVA emulsion paint</u>			
7	On ceilings and cornices	m2	14
<u>ON FIBRE-CEMENT</u>			
<u>Prepare and apply one undercoat and two finishing coats of Acrylic PVA emulsion paint</u>			
8	On fascias and bargeboards	m	32
<b>Carried Forward to Summary of Section No. 8</b>			R
Section No. 8			
Renovations of Ablution Block: Grade R			
Bill No. 6			
Paintwork			

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BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

SECTION SUMMARY - Renovations of Ablution Block: Grade R					Amount
Bill No		Page No			
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3	Tiling	179			
4	Plumbing and Drainage	183			
5	Glazing	184			
6	Paintwork	186			
Carried to Final Summary				R	
Section No. 8 Renovations of Ablution Block: Grade R					

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RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Brought Forward			R
<b><u>PAVING (PROVISIONAL)</u></b>			
<b><u>BULK EXCAVATIONS</u></b>			
<b><u>Treatment of Terrace bed</u></b>			
5	Rip, scarify and compaction 150mm of in-situ material to a minimum of 90% Mod AASHTO at -2% and +1% of OMC	m2	1,156
<b><u>IMPORTING OF MATERIALS</u></b>			
<b><u>Coarse river sand filling supplied by the contractor</u></b>			
6	Backfill top 25mm of walkways with river sand	m3	41
<b><u>CONCRETE BLOCK PAVING FOR WALKWAYS</u></b>			
<b><u>60mm Thick "Corobrick" clay paving, laid with 3-5mm joints including sand brushed into joints (Colour : Cederberg or similar approved)</u></b>			
7	Paving laid in herringbone bond	m2	1,156
<b><u>"Technicrete" Pre-cast concrete kerbs including bedding, jointing and pointing</u></b>			
8	300 x 200 x 100mm Mountable Kerb (SABS fig.8c) with 300 x 300 x 250mm unreinforced concrete haunching at back of each joint and between joints and set on and including any necessary additional excavation, backfilling, etc	m	173
<b>Carried to Final Summary</b>			R
Section No. 9 External Works Bill No. 1 External Works			

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RENOVATIONS  
BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG

Item No	Quantity	Rate	Amount
<b><u>SECTION NO. 10</u></b>			
<b><u>BILL NO. 1</u></b>			
<b><u>BUDGETARY ALLOWANCES</u></b>			
<b><u>NOTES:</u></b>			
<p>1. The Contractor's attention is drawn specifically to the Principal Building Agreement Clause 20.0 (Nominated Sub-Contractors), Clause 21.0 (Selected Sub-Contractors) and Clause 22 (Work by Others) and to the related Clauses in Section 1, Bill No. 1 - Preliminaries</p> <p>2. The Contractor's attention is drawn also to the definition of attendance on Nominated or Selected Sub-Contractors and of fuel, power and water for commissioning of mechanical and other specialised installations given in the JBCC Preliminaries</p> <p>3. Where special attendance includes the provision of hoisting facilities for a Sub-Contractor then the Contractor shall:-</p> <ul style="list-style-type: none"> <li>* Ensure that the capacities of his hoisting equipment are sufficient to deal with the masses and the quantities of the items to be hoisted,</li> <li>* Schedule the times of availability of the hoisting equipment for each Sub-Contractor,</li> <li>* Provide all necessary personnel to operate the hoisting equipment,</li> </ul> <p>all to enable the Sub-Contractor to execute the hoisting or lowering of his material, etc. using the facilities provided by the Contractor</p> <p>4. Under no circumstances may any Provisional Amount, etc. be extended at an amount lower than the amount given in this Bill</p>			
<b>Carried Forward</b>			R
Section No. 10 Budgetary Allowances Bill No. 1 Budgetary Allowances			

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BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<b>Brought Forward</b>		<b>R</b>	
<b><u>BUILDING SERVICES</u></b>			
1	Allow a budgetary amount of R295,000.00 (Two Hundred and Ninety Five Thousand Rand) for Electrical Works Installation supplied and installed complete to Engineer's specification		
	Note: Engineer to provide detailed Bills of Quantities	Item	295,000.00
2	Allow a budgetary amount of R295,000.00 (Two Hundred and Ninety Five Thousand Rand) for Mechanical Works Installation supplied and installed complete to Engineer's specification		
	Note: Engineer to provide detailed Bills of Quantities	Item	295,000.00
3	Allow a budgetary amount of R15,000.00 (Fifteen Thousand Rand) for painting existing Tank Stands.	Item	15,000.00
<b>Carried to Final Summary</b>			
Section No. 10 Budgetary Allowances Bill No. 1 Budgetary Allowances		R	

**NWANKUPANA PRIMARY SCHOOL  
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BILLS OF QUANTITIES  
IDTMPU-CONT-WP3.2B/1-DOE PROG**

<b><u>FINAL SUMMARY</u></b>		<b>Page No</b>		<b>Amount</b>
<b>Section No</b>				
1	Preliminaries and General	71		
2	Renovation of 4-Classroom Block: Block A	87		
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5	Renovation of 4-Classroom Block: Block D	134		
6	Renovations of Ablution Block: Boys	152		
7	Renovation of Ablution Block: Girls	171		
8	Renovations of Ablution Block: Grade R	187		
9	External Works	189		
10	Budgetary Allowances	191		
TOTAL OF BUILDERS WORK			R	
<b><u>COMMUNITY LIAISON OFFICER</u></b>				
Provide the amount of R7,500.00/month (Seven Thousand Five Hundred Rand per month) for the appointment of community liaison officer		MTH	4.0	
Sub Total (A)			R	
<b><u>CONTINGENCY SUM @ 2.5%</u></b>				
Allow 2.5% for contingencies to be used at the sole discretion of the principal agent			R	
Sub Total (B)			R	
Value Added Tax @ 15%			R	
TOTAL CONTRACT VALUE			R	
Carried to Form of Tender			R	