

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

NANSINDLELA PRIMARY SCHOOL

BILL NO. 1

PRELIMINARY AND GENERAL

FIX CHARGE AND VALUE RELATED ITEMS

1/1/1	Contractual requirements				SUM
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Establishment of Facilities on the Site

Facilities for Contractor

1/1/2	Offices and storage sheds			SUM
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1/1/3	Ablution and latrine facilities			SUM
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1/1/4	Tools and equipment				SUM
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1/1/5	Water supplies, electric power and communications			SUM
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1/1/6	Removal of site establishment				SUM
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Facilities for Engineer

1/1/7	Offices and storage sheds			SUM
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1/1/8	Ablution and latrine facilities				SUM
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1/1/9	Water supplies, electric power and communications			SUM
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TIME RELATED ITEMS

1/1/10	Contractual requirements			SUM
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Operation and Maintenance of Facilities on Site, for Duration of Construction, (unless otherwise stated)

Facilities for Contractor

1/1/11	Offices				SUM
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1/1/12	Ablution and latrine facilities				SUM
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PRELIMINARY AND GENERAL
Bill No. 1
Preliminary and General

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

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**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

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NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

BILL NO.1

Note:

The contractor must conform to the Department of Labour safety regulations for the disposal for all asbestos materials

ASBESTOS REMOVAL

Removal of the asbestos roof sheeting, insulation and damaged timber roof trusses (including eaves overhangs) in a safe manner. Debris shall be collected, removed, loaded onto a truck and taken to a landfill

Removal of all ceiling boards where necessary . Debris shall be collected, removed, loaded onto a truck and taken to a landfill

Removal of gutters, downpipes, fascia and barge board from the roof. Removed material shall be packed, loaded into a truck and taken to a landfill

Safety File

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Section No. 2
ASBESTOS REMOVALS AND RENOVATIONS
Bill No. 1
ASBESTOS REMOVAL

NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

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**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

<p><u>Sisalation® 420 Heavy industrial grade reinforced aluminium foil insulation double sided, heavy grammage reflective foil laminate incorporating eight layers of aluminium foil, reinforcing scrim, Kraft paper and polyethylene, tested for conformance with SANS 1381-4:2009 , with a Class 1 fire rating in accordance with SANS 10177 - 3:2005 and BS 476 part 5, 6 and 7, drawn tautly across rafters and secured to each rafter with 38mm x 3,2mm x 1100mm hardboard counter batten strips positioned flush with the bottom edge of the material thus leaving 150mm overlap exposed at the top for the next layer and 150mm overlap thereafter on each 1 250mm width roll</u></p>				
<p>2/2/6 Insulation laid taut over rafters and under purlins (at approximately 1 250mm centres) including galvanised steel straining wires</p>	<p>m2</p>	<p>950</p>		
<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 ASBESTOS REMOVALS AND RENOVATIONS Bill No. 2 ROOF COVERINGS</p>			<p>R</p>	

NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS

Section No. 2

ASBESTOS REMOVALS AND RENOVATIONS

Bill No. 2

ROOF COVERINGS

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Section No. 2
ASBESTOS REMOVALS AND RENOVATIONS
Bill No. 2
ROOF COVERINGS

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Item No		Unit	Quantity	Rate	Amount
	<p><u>BILL NO.3</u></p> <p><u>CARPENTRY & JOINERY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Roof Trusses:</u></p> <p>The following is applicable in respect of plate nailed roof trusses:</p> <p>Trusses are at maximum 1000mm centres. Roof covering is 0,50mm colomate galvanised metal IBR on timber purlins</p> <p>The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from the Architect and/or on site before design or fabrication commences</p> <p>Joinery:</p> <p>Descriptions for the following joinery fittings,etc shall be deemed to include all ironmongery, metalwork,paint finishes,laminated finishes, etc, and for assembling and installing complete.</p> <p><u>TIMBER ROOF CONSTRUCTION</u></p> <p><u>Design Responsibility</u></p> <p>The contractor shall be responsible for the repair of the damaged timber roof trusses. The contractor will submit shop drawings for approval by the Engineer within two weeks after the date of tender closing. Appointment of the successful tenderer will be subject to approval of the timber roof construction. The contractor shall commence manufacturing only after written approval of shop drawings from the Engineer</p>				
	Carried to Collection				
	<p>Section No. 2</p> <p>ASBESTOS REMOVALS AND RENOVATIONS</p> <p>Bill No. 3</p> <p>CARPENTRY AND JOINERY</p>				

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**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

	<u>Plate nailed timber roof construction grade V4 minimum</u>				
2/3/1	Replace damaged roof trusses including purlins, braces, battens, gangboarding, wall plates, roof ties, gusset plates, bolts, according to the existing layout design, and pitch of roof structure to all buildings as directed and deemed necessary by the engineer			SUM	
2/3/2	Application of carbolineum coat/ paint to exposed surfaces of roof trusses			SUM	
	<u>EAVES, VERGES, ETC</u>				
	<u>Marley</u>				
2/3/3	Marley PVC foam fascia and barge boards	m	250		
	<u>uPVC gutters and rainwater pipes</u>				
2/3/4	M110mm Half-round roof gutters	m	253		
2/3/5	Extra over gutter for stopped end	No	28		
2/3/6	Extra over gutter for outlet for 110mm pipe	No	14		
	<u>CEILING BOARD</u>				
2/3/7	a). Supply and transport Gyproc Rhinoboard (6,4mm thick) ceiling, Ceiling shall be installed as instructed by the manufacturer	m2	750		
2/3/8	b). Supply and install standard cornices	m	400		
	<u>DOORS, ETC</u>				
	<u>TDM or similar approved "Saligna BB" doors hung to steel frames (elsewhere measured)</u>				
2/3/9	Remove and install 40mm Framed, ledged and braced batten door size 813 x 2032mm high of SA Pine sub-frame with double top and bottom rails, 20 x 150mm middle ledge, 20 x 225mm bottom ledge and 20 x 110mm braces, filled in with tongued and grooved boarding in V-joint rail (D2)	No	13		
2/3/10	One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint (On doors and frames)	m2	60		
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	Section No. 2 ASBESTOS REMOVALS AND RENOVATIONS Bill No. 3 CARPENTRY AND JOINERY				

NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

FRAMED, FRAMES, ETC

Wrought softwood

2/3/11

60 x 50mm Rebated and angle rounded frame bolted to wall with heads of bolts sunk and pelleted, as per engineers directive

m

30

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Section No. 2
ASBESTOS REMOVALS AND RENOVATIONS
Bill No. 3
CARPENTRY AND JOINERY

NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS

Section No. 2

ASBESTOS REMOVALS AND RENOVATIONS

Bill No. 3

CARPENTRY AND JOINERY

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ASBESTOS REMOVALS AND RENOVATIONS
Bill No. 3
CARPENTRY AND JOINERY

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO.4</u>				
	<u>PLASTERING</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Testing of sand/cement screeds:</u>				
	Testing to be done by an accredited independent testing specialist, or by the provision of independently certified test date to demonstrate compliance with the Specification as set out below				
	Testing to include both light tap and heavy weight impact using a 4kg mass in compliance with the BRE screed tester requirements				
	Maximum indentation not to exceed 3mm				
	Alternative substrate testing methods may be put forward for consideration and acceptance by the Engineer				
	All test results to be provided in Microsoft Excel format with unique numbers and the positions of tests referenced and indicated on a floor plan (floor plan to be provided by Engineer)				
	In all instances of results failing to comply as determined by the Engineer, additional tests to prove final compliance will be for the account of the contractor				
	<u>FLOOR SCREED (50mm)</u>				
2/4/1	Chipping, Rescreeding and self-levelling of all floors (if required),this includes both classroom blocks and staff admin block. Screeding to be done to 50mm thickness	m2	750		
	<u>INTERNAL WALLS PLASTER</u>				
	<u>Cement plaster on brickwork:</u>				
2/4/2	a). On walls where there are severely chipped/cracked	m2	80		
2/4/3	b). On narrow widths	m2	20		
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	Section No. 2 ASBESTOS REMOVALS AND RENOVATIONS Bill No. 4 PLASTERING				

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

EXTERNAL PLASTER

On external walls (Rate to include chipping of existing plastered walls) and narrow widths

m2

150

Carried to Collection

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Section No. 2
ASBESTOS REMOVALS AND RENOVATIONS
Bill No. 4
PLASTERING

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Section No. 2

ASBESTOS REMOVALS AND RENOVATIONS

Bill No. 4

PLASTERING

COLLECTION

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ASBESTOS REMOVALS AND RENOVATIONS
Bill No. 4
PLASTERING

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NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

	Unit	Quantity	Rate	Amount
<u>BILL NO.5</u>				
<u>PAINTWORK</u>				
<u>ON EXTERNAL BUILDING SURFACES</u>				
<u>ON EXTERNAL BUILDING SURFACES</u>				
Two coats weatherguard paint for outdoor use according to existing colour specifications of the school	m2	742		
<u>ON INTERNAL FLOATED PLASTER SURFACES</u>				
<u>One coat alkali resistant primer and two coats PVA emulsion paint for interior use</u>				
Walls	m2	960		
<u>ON FIBRE-CEMENT BOARD SURFACES</u>				
<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>				
Ceilings	m2	750		
Fascias and barge boards, including priming metal jointing strips	m2	250		
<u>ON WOOD SURFACES</u>				
<u>Two coats oil wood primer</u>				
Backs of frames, linings, etc not exceeding 300mm wide	m	75		
<u>One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint</u>				
a) Doors	m2	30		
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Section No. 2 ASBESTOS REMOVALS AND RENOVATIONS Bill No. 5 PAINTWORK				

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO.6</u>				
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
	<u>REINFORCED CONCRETE CAST AGAINST DAMAGED FLOORING SURFACE</u>				
	<u>25MPa/19mm concrete</u>				
2/6/1	a). Internal floor slabs	m3	10		
2/6/2	b). Veranda walkway	m3	5		
	<u>CONCRETE SUNDRIES</u>				
	<u>Finishing top surfaces of concrete smooth with a wood float</u>				
2/6/3	a). Surface beds, slabs, bases, etc	m2	110		
2/6/4	b). Concrete apron	m2	60		
	<u>SOIL POISONING</u>				
	<u>Soil insecticide in accordance with SANS 5859</u>				
2/6/5	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	50		
	<u>TEST BLOCK</u>				
2/6/6	Allow for all necessary concrete test cubes size 150 x 150 x 150mm cast from batches of concrete set of three, made, stored, cured and tested in accordance with SANS 2001-CC1, including use of approved cube moulds, transporting to an approved testing laboratory for testing, paying all charges and submitting reports to the Structural Engineer. (Provisional)	Sets	3.0		
	<u>FORMWORK</u>				
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>				
	Carried to Collection			R	
	Section No. 2 ASBESTOS REMOVALS AND RENOVATIONS Bill No. 6 CONCRETE FORMWORK AND REINFORCEMENT				

NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

Rough formwork to sides

2/6/7	a). Ramps
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m2	5
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2/6/8	b). Aprons
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m2	20
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MOVEMENT JOINTS ETC

Expansion joints with 10mm Jointex between vertical concrete and brick surfaces

2/6/9	a). Not exceeding 300mm wide
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m	95
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Saw cut joints

2/6/10	a). 3 x 40mm Saw cut joints in top of concrete slabs, aprons, ramps etc
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m	30
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Section No. 2
ASBESTOS REMOVALS AND RENOVATIONS
Bill No. 6
CONCRETE FORMWORK AND REINFORCEMENT

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Section No. 2

ASBESTOS REMOVALS AND RENOVATIONS

Bill No. 6

CONCRETE FORMWORK AND REINFORCEMENT

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ASBESTOS REMOVALS AND RENOVATIONS
Bill No. 6
CONCRETE FORMWORK AND REINFORCEMENT

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**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO.7</u>				
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
	<u>PLUMBING</u>				
	<u>RAINWATER GOODS</u>				
	<u>uPVC gutters and rainwater pipes</u>				
2/7/1	Provide the amount of R 25 000.00 for PVC gutters and rainwater pipes to be executed complete to manage roof water runoff			SUM	
	<u>TANKS, ETC</u>				
	<u>Jo-jo or similar approved</u>				
2/7/2	5000 litre water tank complete with Stand and including 4mm galvanised wire looped double to top of tank and anchored to top of slab with Y10 rod cast into slab at all four corners, including 15mm standard garden hose to isolate wire and prevent damage to tank or other approved holding down material secured around tank and to concrete pedestal	No	6		
2/7/3	3mm Thick galvanised plate with and including 23mm hole to be bolted onto edge of concrete slab with 2 x 8mm raw bolts	No	6		
2/7/4	20mm "Cobra" 541 tank locking tap fitted to a 22mm extension pipe with barrel nipple and galvanised socket	No	6		
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	Section No. 2 ASBESTOS REMOVALS AND RENOVATIONS Bill No. 7 PLUMBING AND DRAINAGE				

NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

BILL NO.8

NOTE: The Bills of Quantities document forms part of and must be read and priced in conjunction with all the other documents forming part of the contract document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation

One layer 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B)

m2	50
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Pre-compressed bitumen impregnated foam plastic joint sealing strips

m	160
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m	195
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NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

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NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

Manufactured by "Dorma" or similar approved

No

10

Manufactured by "Miles Nelson" or similar approved:

No

13

LOCKS

Manufactured by "Dorma" or similar approved

No

13

Manufactured by "Union" or similar approved

No

13

HANDLES

Manufactured by "Dorma" or similar approved

No

13

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Section No. 2
ASBESTOS REMOVALS AND RENOVATIONS
Bill No. 9
IRONMONGERY

NANSINDLELA PRIMARY SCHOOL
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ASBESTOS REMOVALS AND RENOVATIONS

Bill No. 9

IRONMONGERY

COLLECTION

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ASBESTOS REMOVALS AND RENOVATIONS
Bill No. 9
IRONMONGERY

NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO.10</u>				
	<u>METALWORK</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Descriptions</u>				
	<u>Descriptions of bolts shall be deemed to include nuts and washers</u>				
	<u>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</u>				
	<u>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</u>				
	<u>Galvanising must comply to: SANS 121-ISO 1461 & SANS 32-EN 10240 and SANS 14713-ISO 14713 for Hot Dip galvanising on iron and steel articles</u>				
	<u>Door frames</u>				
	<u>Pressed steel door frames shall be supplied with one pair of 100mm galvanised steel loose pin hinges</u>				
	<u>Galvanised steel windows</u>				
	<u>Windows shall be provided with polished brass fittings</u>				
	<u>Only window openings shall be fitted with horizontal 8mm square burglar bars at maximum 150mm centres</u>				
	<u>Courses adjacent to window jambs are to have cores filled allowing fixing lugs to be built-in</u>				
	<u>PAINTED MILD STEEL GATES, SCREENS, ETC</u>				
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	Section No. 2 ASBESTOS REMOVALS AND RENOVATIONS Bill No. 10 METALWORK				

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

2/10/1	<p><u>Welded gate and frame</u></p> <p>Repaint single gate 850mm wide x 2250mm high of 20mm steel tubing and fitted with hinges welded to post and with ears for padlock. (Rate to include for sandblasting , prime coat, and the use of universal acid resistant enamel paint). Nb. Colour to remain the same as existing</p>	No	13		
2/10/2	<p><u>PAINTED STEEL WINDOWS FRAMES ETC</u></p> <p><u>Purpose steel windows frames with burglar bars to opening sashes</u></p> <p>Repaint existing window frames (1200mm x 1650mm approx dimension). Rate to include for sanding , prime coat, and the use of universal enamel paint</p>	No	65		
	<p style="text-align: right;">Carried to Collection</p> <p>Section No. 2 ASBESTOS REMOVALS AND RENOVATIONS Bill No. 10 METALWORK</p>			R	

NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS

Section No. 2
ASBESTOS REMOVALS AND RENOVATIONS
Bill No. 10
METALWORK
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Section No. 2
ASBESTOS REMOVALS AND RENOVATIONS
Bill No. 10
METALWORK

NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO.11</u>				
	<u>TILING</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Fixing</u>				
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding				
	Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat				
	<u>PROPOSED FLOOR TILING</u>				
	<u>Remove existing damaged PVC vinyl tiles and Install new 200 x 200 x 5mm glazed PVC vinyl tiles fixed with an approved adhesive to screeded floor area (colour to remain as per the existing tiles)</u>				
2/11/1	a). Classrooms and Admin block	m2	750		
2/11/2	b). Skirtings	m	400		
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	Section No. 2 ASBESTOS REMOVALS AND RENOVATIONS Bill No. 11 TILING				

NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

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**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO.13</u>				
	<u>PROVISIONAL SUMS</u>				
	<u>NOTES:</u>				
	Where special attendance includes the provision of hoisting facilities for a Sub-Contractor then the Contractor shall:-				
	Ensure that the capacities of his hoisting equipment are sufficient to deal with the masses and the quantities of the items to be hoisted				
	Schedule the times of availability of the hoisting equipment for each Sub-Contractor				
	Provide all necessary personnel to operate the hoisting equipment				
	To enable the Sub-Contractor to execute the hoisting or lowering of his material, etc. using the facilities provided by the Contractor				
	Under no circumstances may any Prime Cost - Provisional Amount, etc. be extended at an amount lower than the amount given in this Bill				
	<u>PROVISIONAL AMOUNTS FOR NOMINATED / SELECTED SUB-CONTRACTS</u>				
	<u>Electrical Repairs & Lighting Protection:</u>				
2/13/1	a). Provide the amount of R50 000.00 for Electrical Repairs, Lighting Protection& Earthing and Fire Protection & Detection to be executed complete		Item		
2/13/2	b). Allow for profit & attendance on the above		%		
	<u>Stormwater Management, Retaining Walls & Safety Rails</u>				
2/13/3	a). Provide the amount of R 150 000.00 for the provision of stormwater system (i.e. V-drains, Aprons, subsoil drain, etc.), retaining wall and safety rails complete as per Engineer's Specification			SUM	
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NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS

Section No. 2

ASBESTOS REMOVALS AND RENOVATIONS

Bill No. 13

PROVISIONAL SUMS

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ASBESTOS REMOVALS AND RENOVATIONS
Bill No. 13
PROVISIONAL SUMS

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

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**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO.1</u>				
	<u>EARTHWORKS (PROVISIONAL)</u>				
	<u>SITE CLEARANCE ETC</u>				
3/1/1	Clear Vegetation, Grass, Shrubs etc. and Trees of Girth up to 1m and Remove to Dumpsite, Stockpile, Maintain/Preserve and Reinststate Topsoil (150mm Deep) Shrubs, Trees and Grass along Route of Pipeline and at Ablution Block Sites	m2	200		
	<u>BULK EXCAVATION, FILLING ETC</u>				
3/1/2	Excavate in all materials and use for embankment or backfill or dispose as ordered to create a working platform for construction access and pipe laying operations. (Mechanical Operation)	m3	250		
3/1/3	b) i) Extra over for intermediate excavation	m3	100		
3/1/4	ii) Extra over for hard rock excavation	m3	80		
	<u>EXCAVATIONS ETC</u>				
	<u>Excavation in earth not exceeding 2m deep</u>				
3/1/5	Trenches	m3	25		
	<u>Extra over trench excavations in earth for excavation in</u>				
3/1/6	Soft rock	m3	21		
3/1/7	Hard rock	m3	11		
	<u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 98% Mod. AASHTO density</u>				
3/1/8	Not exceeding 0.50m deep for placing and removing formwork to walls, etc., 200mm away from excavated face	m2	94		
3/1/9	Exceeding 0.50m and not exceeding 1.50m deep for placing and removing formwork to walls, etc., 200mm away from excavated face	m2	88		
	Carried to Collection			R	
	Section No. 3 NEW ABLUTION BLOCK Bill No. 1 EARTHWORKS				

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

3/1/10	Exceeding 1.50m and not exceeding 3.00m deep for placing and removing formwork to walls, etc., 200mm away from excavated face	m2	31		
	<u>Risk of collapse of excavations</u>				
3/1/11	Sides of trench and hole excavations not exceeding 1,5m deep	m2	95		
3/1/12	Sides of trench and hole excavations exceeding 1,5m deep	m2	110		
	<u>Extra over all excavations for carting away</u>				
3/1/13	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the Contractor	m3	190		
	<u>Keeping excavations free of water</u>				
3/1/14	Keep excavations free of water (other than subterranean water)		Item		
	<u>FILLING ETC</u>				
	<u>Earth filling obtained from the excavations and/or prescribed stock piles on site stabilised with 8% cement per volume, compacted to 98% Mod AASHTO density</u>				
3/1/15	Backfilling to trenches, etc	m3	13		
	<u>Compaction of surfaces</u>				
3/1/16	Compaction of ground surface under floors, etc., including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density	m2	90		
	<u>SOIL POISONING</u>				
	<u>Soil insecticide in accordance with SABS 1165</u>				
3/1/17	Under floors etc including forming and poisoning shallow furrows against foundation walls etc, filling in furrows and ramming	m2	110		
3/1/18	To bottoms and sides of trenches etc	m2	40		
	Carried to Collection			R	
	Section No. 3 NEW ABLUTION BLOCK Bill No. 1 EARTHWORKS				

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

[illegible]

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Section No. 3
NEW ABLUTION BLOCK
Bill No. 2
CONCRETE FORMWORK AND REINFORCEMENT

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

	<u>Finishing top surfaces of concrete smooth with a wood float</u>				
3/2/9	Surface beds, slabs, bases, etc	m2	110		
3/2/10	Concrete apron	m2	60		
	<u>FORMWORK</u>				
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>				
	<u>Rough formwork to sides</u>				
3/2/11	Bases	m2	25		
3/2/12	Strip foundations	m2	75		
	<u>MOVEMENT JOINTS ETC</u>				
	<u>Expansion joints with 10mm Jointex between vertical concrete and brick surfaces</u>				
3/2/13	Not exceeding 300mm wide	m	95		
	<u>Saw cut joints</u>				
3/2/14	3 x 40mm Saw cut joints in top of concrete	m	30		
	<u>REINFORCEMENT (PROVISIONAL)</u>				
	<u>High tensile and mild steel reinforcement to structural concrete work</u>				
3/2/15	Various diameter reinforcing bars	t	2.00		
	<u>Fabric reinforcement</u>				
3/2/16	Type 193 fabric reinforcement in surface beds, etc	m2	110		
3/2/17	Type 395 fabric reinforcement in surface beds, etc	m2	85		
	Carried to Collection			R	
	Section No. 3 NEW ABLUTION BLOCK Bill No. 2 CONCRETE FORMWORK AND REINFORCEMENT				

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Section No. 3

NEW ABLUTION BLOCK

Bill No. 2

CONCRETE FORMWORK AND REINFORCEMENT

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Bill No. 2
CONCRETE FORMWORK AND REINFORCEMENT

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**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Item No		Unit	Quantity	Rate	Amount
	<p><u>BILL NO.3</u></p> <p><u>MASONRY</u></p> <p>NOTE: All masonry shall be in accordance with SANS 2001-CM1</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Sizes in descriptions:</u></p> <p>Where sizes in descriptions are given in brick units, 'one brick' shall represent the length and 'half brick' the width of a brick.</p> <p><u>Hollow walls:</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.</p> <p><u>Bagged and sealed walls:</u></p> <p>Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats bitumen emulsion waterproofing coating</p> <p><u>Face bricks:</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour.</p> <p><u>Pointing:</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, polished joints, etc.</p> <p><u>BRICKWORK</u></p> <p><u>FOUNDATIONS (PROVISIONAL)</u></p> <p><u>SUB- STRUCTURE</u></p>				
	Carried to Collection				R
	<p>Section No. 3 NEW ABLUTION BLOCK Bill No. 3 MASONRY</p>				

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

	<u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in class II mortar</u>					
3/3/1	One brick walls	m2	40			
3/3/2	330mm Hollow walls of two half brick skins including wire ties	m2	110			
	<u>SUPERSTRUCTURE</u>					
	<u>Brickwork of NFP bricks in class II mortar</u>					
3/3/3	Half brick walls	m2	60			
3/3/4	Half brick walls in beamfilling	m2	20			
3/3/5	On brick walls	m2	220			
	<u>BRICKWORK SUNDRIES</u>					
	<u>Bagging of 1:3 cement and sand mixture</u>					
3/3/6	On brick walls, piers, etc.	m2	300			
	<u>Movement joints with "Jointex" between horizontal concrete and brick surfaces</u>					
3/3/7	10mm Joints not exceeding 300mm wide	m	130			
	<u>Brickwork reinforcement</u>					
3/3/8	75mm Wide reinforcement built in horizontally	m	450			
3/3/9	150mm Wide reinforcement built in horizontally	m	1,000			
	<u>Prestressed fabricated lintels</u>					
3/3/10	110 x 75mm Lintels in lengths not exceeding 1.5m	m	28			
3/3/11	110 x 75mm Lintels in lengths exceeding 3m	m	5			
	<u>Galvanised hoop iron cramps, ties, etc.</u>					
3/3/12	30 x 1,6mm Roof tie 1,5m long with one end built into brickwork and other end fixed to timber	No	85			
	<u>Air bricks etc</u>					
3/3/13	229 x 152mm Clay vermin proof air brick	No	25			
	Carried to Collection				R	
	Section No. 3 NEW ABLUTION BLOCK Bill No. 3 MASONRY					

FACE BRICKWORK

Face brickwork to be "Corobrik®" Firelight of 20-30MPa nominal compressive strength in Class II mortar with recessed horizontal and recessed vertical joints

3/3/14	NFX brickwork for face brickwork in foundations (Provisional)	m2	80
3/3/15	NFP brickwork for face brickwork	m2	220
3/3/16	NFP brickwork for brick-on-edge header course lintels 1 course high, pointed on face and 115mm soffit	m	20
	<u>Brick-on-edge header course copings, sills, etc of "Corobrik® Firelight " face bricks, pointed with recessed joints on all exposed faces</u>		
3/3/17	170mm Wide sills set level and slightly projecting	m	10

Brick-on-edge header course copings, sills, etc of "Corobrik® Firelight " face bricks, pointed with recessed joints on all exposed faces

R

Section No. 3
NEW ABLUTION BLOCK
Bill No. 3
MASONRY

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

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**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO.4</u>				
	<u>WATERPROOFING</u>				
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>				
	NOTE: The Bills of Quantities document forms part of and must be read and priced in conjunction with all the other documents forming part of the contract document, the Standard Conditions of Tender, Conditions of Contract, Model Preambles for Trade 2008, Specifications, Drawings and all other relevant documentation.				
	<u>One layer of 375 micron Brikgrip DPC embossed polythelene damp proof course:</u>				
	<u>DAMP PROOFING OF WALLS AND FLOORS</u>				
	<u>One layer 375 micron embossed polyethylene dampproof course (SANS 952-1985 type B)</u>				
3/4/1	In walls	m2	30		
3/4/2	Under slabs on brickwork	m	110		
	<u>Two coats of "Brixéal" or other approved bitumen waterproofing coating</u>				
3/4/3	On bagged bricks walls	m2	150		
	<u>One layer 250 micron green polyethylene waterproof sheeting (SANS 952-1985 type C) sealed at laps with PVC self-adhesive tape</u>				
3/4/4	Under surface beds	m2	60		
	<u>JOINT SEALANTS</u>				
	<u>Pre-compressed bitumen impregnated foam plastic joint sealing strips</u>				
3/4/5	10 x 10mm In joints between frames and walls	m	160		
	Carried to Collection			R	
	Section No. 3 NEW ABLUTION BLOCK Bill No. 4 WATERPROOFING				

NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

Thioflex two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc

m

34

m

195

R

Section No. 3
NEW ABLUTION BLOCK
Bill No. 4
WATERPROOFING

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

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**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

BILL NO.5

ROOF COVERINGS

PROFIED METAL SHEETING AND ACCESSORIES

SAFINTRA WIDEDECK (RAIN CLOUD) sheeting or similar approved or CLASSICORR if school roof is corrugated sheeting or similar approved

3/5/1	Roof covering with pitch not exceeding 25 degrees fixed to timber purlins at maximum 1200mm centres with a minimum of 50mm sheeting projection beyond purlins at eaves	m2	110
3/5/2	Ridge capping	m	35
3/5/3	Counter flashing 70mm girth	m	65
	<u>Sondor or other approved corrugated polycloser</u>		
3/5/4	Under ridge capping	m	35
3/5/5	On beamfilling	m	75

ROOF AND WALL INSULATION

Sisalation® 420 Heavy industrial grade reinforced aluminium foil insulation double sided, heavy grammage reflective foil laminate incorporating eight layers of aluminium foil, reinforcing scrim, Kraft paper and polyethylene, tested for conformance with SANS 1381-4:2009 , with a Class 1 fire rating in accordance with SANS 10177 - 3:2005 and BS 476 part 5, 6 and 7, drawn tautly across rafters and secured to each rafter with 38mm x 3,2mm x 1100mm hardboard counter batten strips positioned flush with the bottom edge of the material thus leaving 150mm overlap exposed at the top for the next layer and 150mm overlap thereafter on each 1 250mm width roll

3/5/6	Insulation laid taut over rafters and under purlins (at approximately 1 250mm centres) including galvanised steel straining wires	m2	110
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NEW ABLUTION BLOCK
Bill No. 5
ROOF COVERINGS

	Unit	Quantity	Rate	Amount
<u>BILL NO.6</u>				
<u>CARPENTRY & JOINERY</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Roof Trusses:</u>				
<p>The following is applicable in respect of plate nailed roof trusses:</p> <p>Trusses are at maximum 1000mm centres. Roof covering is 0,50mm colomate galvanised metal IBR on timber purlins</p> <p>The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from the Architect and/or on site before design or fabrication commences</p> <p>Joinery:</p> <p>Descriptions for the following joinery fittings,etc shall be deemed to include all ironmongery, metalwork,paint finishes,laminated finishes, etc, and for assembling and installing complete.</p>				
<u>TIMBER ROOF CONSTRUCTION</u>				
<u>Design Responsibility</u>				
<p>The contractor shall be responsible for the repair of the damaged timber roof trusses. The contractor will submit shop drawings for approval by the Engineer within two weeks after the date of tender closing. Appointment of the successful tenderer will be subject to approval of the timber roof construction. The contractor shall commence manufacturing only after written approval of shop drawings from the Engineer</p>				
Carried to Collection			R	
<p>Section No. 3 NEW ABLUTION BLOCK Bill No. 6 CARPENTRY AND JOINERY</p>				

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Plate nailed timber roof construction grade V4 minimum

No	1
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Marley

m	95
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m2	250
----	-----

TDM or similar approved "Saligna BB" doors hung to steel frames (elsewhere measured)

No	5
----	---

No	11
----	----

Wrought softwood

m	90
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R

Section No. 3
NEW ABLUTION BLOCK
Bill No. 6
CARPENTRY AND JOINERY

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

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**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO.7</u>				
	<u>IRONMONGERY</u>				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Proprietary items</u>				
	Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc clarifying the features of the products/articles offered On request returnable samples are to be provided to the Engineer for consideration				
	<u>Finishes to ironmongery</u>				
	Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AN Anodised natural AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded				
	<u>HINGES, BOLTS, ETC</u>				
	<u>Manufactured by "Union" or similar approved</u>				
3/7/1	100 x 75mm Medium duty brass butt hinge	No	55		
3/7/2	100 x 75mm Two ball bearing butt hinge (Code 8352-100 SB)	No	15		
3/7/3	50 x 25mm LD polished barrel bolt	No	25		
	<u>Manufactured by "Miles Nelson" or similar approved:</u>				
3/7/4	150mm "276SC10150BP" cabin hook solid chrome	No	4		
	Carried to Collection				
	Section No. 3 NEW ABLUTION BLOCK Bill No. 7 IRONMONGERY				

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

LOCKS

Manufactured by "Union" or similar approved

3/7/5	D036S Europrofile single cylinder sash lock
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No

17

HANDLES

a), CB30 Lever handle on rectangular Euro cylinder
back plate 61cm centres

No

17

PHOTOLUMINESCENT SIGNS

SUPPLEMENTARY PREAMBLES

Signs are to comply with SANS 1186-1 to 5 and to be to the approval of the local authority. Signs are to have anodised aluminium frames Prices are to include for fixing by approved methods. The use of double sided tape will not be permitted. Surface mounted signs are to be concealed fixed Samples, specifications, literature, etc of materials and fabricated articles the tenderer proposes to use shall be submitted with the tender A ten year guarantee on materials and workmanship shall be submitted by the successful tenderer

Wall mounted photoluminescent statutory signs

3/7/9	180 x 180mm Female Sign
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No

2

3/7/10	180 x 180mm Disabled Sign
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No

1

3/7/11	180 x 180mm Male Sign
--------	-----------------------

No

2

3/7/12	180 x 180mm Staff Ablution Sign
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No

1

BATHROOM ACCESSORIES

Carried to Collection

R

Section No. 3
NEW ABLUTION BLOCK
Bill No. 7
IRONMONGERY

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Manufactured by "Franke" or similar approved

Halcast No. 366 Chromium plated toilet roll holder, plugged and screwed to wall with stainless steel screws

Manufactured by "She Bin" or similar approved

Feminine hygiene pedal bins

Manufactured by "Buchel" or similar approved

B-2111 Surface mounted soap dispenser, plugged

Manufactured by "Jassen Dakile" or similar approved

L12603.3801-02 Hinged arm supports

R

Section No. 3
NEW ABLUTION BLOCK
Bill No. 7
IRONMONGERY

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

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NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

BILL NO.8

METALWORK

GALVANIZED WELDED SCREENS, GATES, ETC

SUPPLEMENTARY PREAMBLES

Screens and gates

Descriptions

Descriptions of bolts shall be deemed to include nuts and washers

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

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

Galvanising must comply to: SANS 121-ISO 1461 & SANS 32-EN 10240 and SANS 14713-ISO 14713 for Hot Dip galvanising on iron and steel articles

Door frames

Pressed steel door frames shall be supplied with one pair of 100mm galvanised steel loose pin hinges

Galvanised steel windows

Windows shall be provided with polished brass fittings

Only window openings shall be fitted with horizontal 8mm square burglar bars at maximum 150mm centres

Courses adjacent to window jambs are to have cores filled allowing fixing lugs to be built-in

R

Section No. 3
NEW ABLUTION BLOCK
Bill No. 8
METALWORK

GALVANISED MILD STEEL GATES, SCREENS, ETC

Single gate 850 x 2250mm high of 20mm steel tubing and fitted with a pair of suitable hinges welded to post and with ears for padlock

Purpose made steel windows with 8mm burglar bars to opening sashes

Window (W01) overall size 889 x 457mm high	No	7
Window (W02) overall size 600 x 457mm high	No	12

R

Section No. 3
NEW ABLUTION BLOCK
Bill No. 8
METALWORK

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

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NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

Item No	Unit	Quantity	Rate	Amount
<u>BILL NO.9</u>				
<u>PLASTERING</u>				
<u>SUPPLEMENTARY PREAMBLES</u>				
<u>Testing of sand/cement screeds:</u>				
Testing to be done by an accredited independent testing specialist, or by the provision of independently certified test date to demonstrate compliance with the Specification as set out below				
Testing to include both light tap and heavy weight impact using a 4kg mass in compliance with the BRE screed tester requirements				
Maximum indentation not to exceed 3mm				
Alternative substrate testing methods may be put forward for consideration and acceptance by the Engineer				
All test results to be provided in Microsoft Excel format with unique numbers and the positions of tests referenced and indicated on a floor plan (floor plan to be provided by Engineer)				
In all instances of results failing to comply as determined by the Engineer, additional tests to prove final compliance will be for the account of the contractor				
<u>EPOXY FLOOR COATINGS</u>				
<u>2 Part "Sikafloor 161" epoxy primer with "Sikafloor 264" seal coat (colour: Grey) as per manufacturer's specifications</u>				
3/9/1	m2	110		
3/9/2	m	75		
<u>INTERNAL PLASTER</u>				
Carried to Collection				R
Section No. 3 NEW ABLUTION BLOCK Bill No. 9 PLASTERING				

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Cement plaster on brickwork:

3/9/3	On walls
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m2

220

3/9/4	On narrow widths
-------	------------------

m2

30

SPECIALISED PLASTER TYPE WALL COATINGS

15mm Thick impermeable plaster mixed with silicite sealing agent applied in strict accordance with manufacturer's specifications, on brickwork

3/9/5	On walls
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m2

110

Carried to Collection

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NEW ABLUTION BLOCK
Bill No. 9
PLASTERING

NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS

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PLASTERING
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PLASTERING

NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

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**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO.11</u>				
	<u>PLUMBING AND DRAINAGE (PROVISIONAL)</u>				
	<u>PLUMBING</u>				
	<u>RAINWATER GOODS</u>				
	<u>uPVC gutters and rainwater pipes</u>				
3/11/1	110mm Half-round roof gutters	m	50		
3/11/2	Extra over gutter for stopped end	No	10		
3/11/3	Extra over gutter for outlet for 110mm pipe	No	4		
3/11/4	75mm Diameter rainwater pipes	m	16		
3/11/5	Extra over rainwater pipe for bend	No	10		
3/11/6	Extra over rainwater pipe for shoe	No	4		
3/11/7	Extra over rainwater pipe for swan-neck	No	4		
	<u>SANITARY FITTINGS</u>				
	<u>Atlas Plastics or similar approved</u>				
3/11/8	WC - Atlas Plastic Polyethylene Bambi WC. P Trap Size 280 x 355 x 305mm with Seat (Code 626AD) with 110mm dia Outlet "P" Trap and Flush Pipe	No	12		
3/11/9	Atlas Plastics Rotomoulded Polyethylene 9L Pull and Release Dual Flush Cistern Size 162 x 420 x 365mm High (Code 526 AP)	No	12		
3/11/10	Christy wash hand basin (WHB) with splashback (code: 383AP) polyethylene wash hand basin size 570 X 395mm (colour: granite) fixed to wall with and including cast iron brackets	No	9		
3/11/11	Urinal Basin - Atlas Plastic Rotomoulded Polyethylene Bowl Complete	No	5		
	Carried to Collection			R	
	Section No. 3 NEW ABLUTION BLOCK Bill No. 11 PLUMBING AND DRAINAGE				

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

3/11/12	15mm Plastic Press Tap to Flush Urinal Area	No	5		
3/11/13	Dispenser Spray to Flush Urinal	No	5		
	<u>WASTE UNIONS ETC</u>				
	<u>Atlas Plastics or similar approved</u>				
3/11/14	Urinal fitting and waste (code: 496AP)	No	5		
	<u>Cobra Watertech or similar approved</u>				
3/11/15	32mm Basin waste union (code: 303) including plug and chain	No	5		
	<u>TRAPS, ETC</u>				
	<u>Marley or similar approved</u>				
3/11/16	50mm PVC trap (code: ETPA10)	No	12		
	<u>TAPS, VALVES, ETC</u>				
	<u>Cobra Watertech or similar approved</u>				
3/11/17	15mm 111-15 Pillar taps fitted with restriction washer, one tap hole stopper	No	12		
3/11/18	15mm 1003/125 Brass fullway wheelhead gate valve	No	12		
	<u>Sundries</u>				
3/11/19	Provide all necessary apparatus, water, etc, for and test the whole of the Sanitary Plumbing to the satisfaction of the Architect and Local Authority and replace any defective work free of charge and leave perfect (Waterborne)	No	3		
	<u>SANITARY PLUMBING</u>				
	<u>Class 34 uPVC pipes</u>				
3/11/20	50mm Pipes	m	120		
	<u>Class 34 uPVC pipes chased in walls, etc including supports</u>				
	Carried to Collection			R	
	Section No. 3 NEW ABLUTION BLOCK Bill No. 11 PLUMBING AND DRAINAGE				

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

	<u>Extra over uPVC pipes for</u>				
3/11/21	50mm Access bend	No	35		
3/11/22	50mm Access junction	No	15		
3/11/23	50mm Bend	No	55		
3/11/24	50mm Junction	No	25		
	<u>WATER SUPPLIES</u>				
	<u>Polycorp water pipe</u>				
3/11/25	15mm Pipes	m	15		
3/11/26	22mm Pipes	m	40		
	<u>Extra over polycorp pipe fittings</u>				
3/11/27	15mm fittings	No	25		
3/11/28	22mm fittings	No	25		
3/11/29	Tie in to existing water supply (22mm)	No	1		
	<u>TANKS, ETC</u>				
	<u>Jo-jo or similar approved</u>				
3/11/30	5000 litre water tank complete with Stand and including 4mm galvanised wire looped double to top of tank and anchored to top of slab with Y10 rod cast into slab at all four corners, including 15mm standard garden hose to isolate wire and prevent damage to tank or other approved holding down material secured around tank and to concrete pedestal	No	2		
3/11/31	3mm Thick galvanised plate with and including 23mm hole to be bolted onto edge of concrete slab with 2 x 8mm raw bolts	No	2		
3/11/32	20mm "Cobra" 541 tank locking tap fitted to a 22mm extension pipe with barrel nipple and galvanised socket	No	2		
	Carried to Collection			R	
	Section No. 3 NEW ABLUTION BLOCK Bill No. 11 PLUMBING AND DRAINAGE				

NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS

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PLUMBING AND DRAINAGE
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Bill No. 11
PLUMBING AND DRAINAGE

NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

[illegible]

NANSINDLELA PRIMARY SCHOOL ASBESTOS REMOVAL AND RENOVATIONS

BILL NO.13

PAINTWORK

PAINTWORK ETC TO NEW WORK

ON INTERNAL FLOATED PLASTER SURFACES

3/13/2	Fascias and barge boards, including priming metal jointing strips	m2	55
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Two coats oil wood primer

One coat primer, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint

3/13/5	On roof timbers at eaves and verges	m2	50
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Section No. 3
NEW ABLUTION BLOCK
Bill No. 13
PAINTWORK

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Item No		Unit	Quantity	Rate	Amount
	<u>BILL NO.14</u>				
	<u>PROVISIONAL SUMS</u>				
	<u>NOTES:</u>				
	Where special attendance includes the provision of hoisting facilities for a Sub-Contractor then the Contractor shall:-				
	Ensure that the capacities of his hoisting equipment are sufficient to deal with the masses and the quantities of the items to be hoisted				
	Schedule the times of availability of the hoisting equipment for each Sub-Contractor				
	Provide all necessary personnel to operate the hoisting equipment				
	To enable the Sub-Contractor to execute the hoisting or lowering of his material, etc. using the facilities provided by the Contractor				
	Under no circumstances may any Prime Cost - Provisional Amount, etc. be extended at an amount lower than the amount given in this Bill				
	<u>PROVISIONAL AMOUNTS FOR NOMINATED / SELECTED SUB-CONTRACTS</u>				
	<u>Electrical Installation:</u>				
3/14/1	Provide the amount of R 50 000.00 for Electrical Installation, to be executed complete		Item		
3/14/2	Allow for profit & attendance on the above		%		
	<u>Lightning Protection and Earthing:</u>				
3/14/3	Provide the amount of R25 000.00 for Lightning Protection and Earthing		Item		
3/14/4	Allow for profit & attendance on the above		%		
	Carried to Collection			R	
	Section No. 3 NEW ABLUTION BLOCK Bill No. 14 PROVISIONAL SUMS				

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

	<u>Fire Protection:</u>				
3/14/5	Provide the amount of R20 000.00 for Fire Protection & Detection			SUM	
3/14/6	Allow for profit & attendance on the above		%		
	<u>Retaining Wall:</u>				
3/14/7	Provide all materials, plant and labour to install Geoblock 400 Corrobrik retaining blocks inclusive of excavation, 25MPa concrete footing, U14 geoblock fabric and compacted backfill to suppliers specification	m2	150		
3/14/8	Allow for profit & attendance on the above		%		
	<u>Existing Structures:</u>				
3/14/9	Provide the amount of 50 000.00 for demolishing/ refurbishment and making good of existing structures and septic tanks			SUM	
3/14/10	Allow for profit & attendance on the above		%		
	<u>Sewer Pipework:</u>				
3/14/11	Provide the amount of 200 000.00 for sewer pipeworks (including earthworks, pipeworks, manholes & marker posts) and connection to the existing infrastructure & testing			SUM	
3/14/12	Allow for profit & attendance on the above		%		
	<u>BUDGETARY ALLOWANCES</u>				
	<u>Geotechnical Investigations</u>				
3/14/13	Allow a budgetary amount of R 30 000,00 for Geotechnical Investigations		Item		
	<u>Temporal toilets</u>				
3/14/14	Allow a budgetary amount of R 60 000,00 for the provision of temporal toilets this includes hiring & removal at the end of the contract		Item		
	Carried to Collection			R	
	Section No. 3 NEW ABLUTION BLOCK Bill No. 14 PROVISIONAL SUMS				

**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

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ASBESTOS REMOVAL AND RENOVATIONS**

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**NANSINDLELA PRIMARY SCHOOL
ASBESTOS REMOVAL AND RENOVATIONS**

Section No	<u>FINAL SUMMARY</u>	Page No		Amount
1	PRELIMINARY AND GENERAL	1/3		
2	ASBESTOS REMOVALS AND RENOVATIONS	2/29		
3	NEW ABLUTION BLOCK	3/38		
	Sub Total		R	
	Add: 5% Contingency		R	
	Sub Total		R	
	Tax		R	
	Carried to Form of Tender		R	