

**REPAIRS TO STORM DAMAGED SCHOOL AT LUSUSHWANA SEC SCHOOL
INDEPENDENT DEVELOPMENT TRUST
SIBHIDLA CONSULTING**

Item No		Quantity	Rate	Amount
	<u>BILL NO. 1</u>			
	<u>PRELIMINARIES</u>			
	<u>Preliminaries</u>			
1	Allow for preliminary works, temporary stores, scaffolding, insurances for workmen, water for works, etc to be expected as directed by the Engineer	Item		
	Carried to Summary			R
	Bill No. 1 PRELIMINARIES			

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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 2</u></p> <p><u>ALTERATIONS (PROVISIONAL)</u></p> <p><u>PREAMBLES</u></p> <p>For Preambles refer to "General Specification of Labour and Material and Methods to be used PW371"</p> <p><u>View site</u></p> <p>Before submitting his tender the tenderer shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>Water supply pipes and other piping in ground that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings to the satisfaction of the principal agent</p> <p>Unless otherwise described all materials are to become the property of the contractor and are to be removed from the site</p>			
<p>Carried Forward</p>		<p>R</p>	
<p>Bill No. 2 ALTERATIONS</p>			

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Brought Forward			R
<u>REMOVAL OF EXISTING WORK</u>			
<u>Taking down and removing roofs, floors, ceilings, partitions, etc and cart away unless otherwise described</u>			
1	Timber double pitch roof construction complete including bracing, etc.	m2	1 050
2	Plasterboard ceilings including timber brandering, etc.	m2	2 028
3	Timber wall plates	m	256
<u>Taking down and removing roofs, e.t.c</u>			
4	Carefully take out and remove damaged existing timber roof trusses and make good brickwork to receive new roof trusses (New roof trusses elsewhere measured)	m2	50
5	Carefully take out and remove damaged existing concrete roof tiles and make good trusses to receive new roof covering	m2	350
<u>INSPECT CONCRETE ROOF TILES</u>			
6	Inspect Concrete tiled roof exceeding 100m2 for cracks, leaks and damages and mark up for repairs (Repairs elsewhere measured)	m2	1 490
<u>Taking out and removing doors, windows, etc including ironmongery, thresholds, architraves, sills, etc (building up openings elsewhere) and cart away unless otherwise described</u>			
7	Timber single door and frame not exceeding 2.5m2 overall from one brick wall	No	38
<u>Hacking up/off, removing and cart away</u>			
8	Tiles from screeds	m2	2 028
9	Screeds from concrete	m2	2 028
Carried Forward			R
Bill No. 2 ALTERATIONS			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 3</u>			
	<u>ROOF COVERINGS ETC</u>			
	<u>PREAMBLES</u>			
	For Preambles refer to "General Specification of Labour and Material and Methods to be used PW371"			
	<u>TILES</u>			
	<u>330 x 420mm "Marley Monarch Designer Range - Verona" or similar to match existing concrete tiles laid on and including underlay of 150 micron "Yellow polyethene" plastic sheeting with 75mm lapped and sealed joints and nailed through underlay with non-corrosive tile nails and/or fixed with suitable non-corrosive clips as required nailed through underlay to 38 x 38mm sawn softwood battens at 300mm centres</u>			
1	Roof covering with pitch not exceeding 25 degrees	m2	1 602	
2	Ridge tiles to match roofing tiles bedded and pointed in 1:3 cement mortar tinted to match tile colour	m	250	
3	Hip tiles to match roofing tiles bedded and pointed in 1:3 cement mortar tinted to match tile colour	m	85	
	<u>ROOF AND WALL INSULATION</u>			
	<u>"Sisalation 405" aluminium foil faced thermal roof insulation or other and approved</u>			
4	Insulation with stapled joints laid over purlins (at approximately 1200mm centres) and fixed concurrent with roof covering including straining wires, etc.	m2	1 602	
	Carried to Summary			R
	Bill No. 3 ROOF COVERINGS, CLADDINGS, ETC			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 4</u>			
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>			
	<u>PREAMBLES</u>			
	For Preambles refer to "General Specification of Labour and Material and Methods to be used PW371"			
	<u>Ceilings</u>			
	Unless otherwise described ceilings shall be deemed to be horizontal			
	<u>Bulkheads</u>			
	Unless otherwise described bulkheads shall be deemed to be horizontal along the length			
	<u>Steel components</u>			
	All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121			
	<u>NAILED-UP CEILINGS</u>			
	<u>6mm "Everite Nutec" fibre cement board with 63mm wide H-jointing strips of mesh scrim nailed over joists and the whole finished with gypsum skim plaster trowelled to a smooth polished surface to a thickness recommended by the manufacturer</u>			
1	Ceilings including 38 x 50mm sawn softwood brandering at 450mm centres	m2	2 028	
2	Extra for 650 x 650mm Clear opening hinged trapdoor with 100mm cp on brass handle, barrel bolt and keep	No	18	
	<u>Gypsum cornices</u>			
3	75mm Coved cornice	m	1 520	
	Carried to Summary			R
	Bill No. 4 CEILINGS, PARTITIONS AND ACCESS FLOORING			

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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 5</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>PREAMBLES</u></p> <p>For Preambles refer to "General Specification of Labour and Material and Methods to be used PW371"</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Particle board:</u></p> <p>Particle board shall comply with the following specifications:</p> <p>a) SABS 1300 Particle board: exterior and flooring type</p> <p>b) SABS 1301 Particle board: interior type</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transoms, mullions, rails, etc</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes</p> <p><u>Fixing</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete</p> <p><u>Decorative laminate finish:</u></p> <p>Laminate finish shall be glued under pressure. Edge strips shall be butt jointed at junctions with adjacent similar finish</p>			
<p>Carried Forward</p> <p>Bill No. 5 CARPENTRY AND JOINERY</p>		<p>R</p>	

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		Brought Forward		R
<u>SKIRTINGS</u>				
<u>Wrought meranti</u>				
1	19 x 90mm Skirtings, including 16mm quadrant beads, plugged	m	1 121	
<u>ROOFS ETC</u>				
<u>Plate nailed timber roof truss construction</u>				
2	Complete roof construction including all trusses, ties, struts, connector and end plates, etc (purlins elsewhere) (measured on slope)	m2	2 012	
<u>ROOF TIMBERS</u>				
<u>Sawn softwood</u>				
3	38 x 114mm Wall plates	m	256	
4	76 x 76mm Splayed eaves purlin	m	142	
5	50 x 76mm Purlins	m	1 143	
<u>ROOF SUNDRIES</u>				
<u>Galvanised wire ties etc</u>				
6	4mm Diameter roof tie 2m girth bent double, with one end built into brickwork and other end fixed to timber	No	360	
<u>EAVES, VERGES, ETC.</u>				
<u>Wrought Softwood</u>				
7	19 x 225mm Fascias and barge boards including H-profile galvanised steel jointing strips	m	624	
<u>DOORS ETC</u>				
		Carried Forward		R
Bill No. 5 CARPENTRY AND JOINERY				

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 6</u>			
	<u>IRONMONGERY</u>			
	<u>PREAMBLES</u>			
	For Preambles refer to "General Specification of Labour and Material and Methods to be used PW371"			
	<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 principal agent for consideration			
	<u>HINGES, BOLTS, ETC</u>			
	<u>"ASSA ABLOY" or other equal and approved</u>			
1	100 x 75mm Nylon insert aluminium butt, AS HMP No.H91	No	69	
	<u>LOCKS</u>			
	<u>"EN-SUITE" LOCKS</u>			
	<u>Manufactured by "UNION" or other and approved</u>			
2	"Union" double cylinder lock (L-22315-76SS)	No	23	
	<u>SUNDRIES</u>			
3	Door stop	No	23	
	Carried to Summary			
	Bill No. 6 IRONMONGERY			R

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 7</u>			
	<u>METALWORK</u>			
	<u>GALVANISED STEEL GATES, SCREENS, ETC</u>			
	<u>Welded screens and gates</u>			
1	Single gate frame 965 x 2 067mm high overall, the outer frame of 45 x 45 x 3mm hollow section bolted to wall with and including eight 70mm M80 expansion bolts and the gate 813 x 2032mm high of 40 x 60 x2mm hollow section frame with two 40 x 6mm flat section horizontal rails filled in with 20mm diameter vertical rails at 110mm centres fitted with one and a half pairs of suitable pin hinges welded to hollow section steel frame, complete with and including 150mm barrelbolt and padlock	No	23	
	<u>NOTICE BOARDS, KEYBOARDS, DUCKBOARDS, ETC</u>			
	<u>Notice boards, Pinning boards. Key boards, etc</u>			
2	Green writing board 4 800 x 1 140mm high consisting of two fixed panels each 2400 x 140mm high complete with aluminium chalk rail,etc plugged	No	21	
3	"BD476" 2400 x1200mm Aluminium framed carpet bulletin board	No	21	
	<u>PRESSED STEEL DOOR FRAMES</u>			
	<u>1.2mm Double rebated frames suitable for one brick walls</u>			
4	Frame for door 813 x 2032mm high	No	23	
	Carried to Summary			R
	Bill No. 7 METALWORK			

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Item No			Quantity	Rate	Amount
	<u>BILL NO. 8</u>				
	<u>PLASTERING</u>				
	<u>PREAMBLES</u>				
	For Preambles refer to "General Specification of Labour and Material and Methods to be used PW371"				
	<u>SCREEDS</u>				
	<u>Screeds on concrete finished smooth</u>				
1	25mm Thick on floors and landings	m2	2 028		
	<u>INTERNAL PLASTER</u>				
	<u>Cement plaster on brickwork</u>				
2	On walls	m2	1 200		
	<u>EXTERNAL PLASTER</u>				
	<u>Cement plaster wood floated, on brickwork</u>				
3	On walls	m2	375		
	Carried to Summary				
	Bill No. 8 PLASTERING				R

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Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 9</u></p> <p><u>TILING</u></p> <p><u>PREAMBLES</u></p> <p>For Preambles refer to "General Specification of Labour and Material and Methods to be used PW371"</p> <p><u>Fixing</u></p> <p>Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding</p> <p>Tiling described as "fixed with adhesive on power floated concrete" shall be deemed to include for approved tiling key-coat</p> <p>Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts as recommended by the manufacturer of the tiles</p> <p><u>FLOOR TILING</u></p> <p><u>300 x 300 x 10mm Fully body porcelain floor tiles PC SUM (R150/m2) delivered to site and including fixed with TAL Goldstar adhesive and flush pointed with grey waterproof jointing compound including waste</u></p>			
1	On floors and landings	m2	2 028	
	Carried to Summary			R
	Bill No. 9 TILING			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 10</u>			
	<u>PAINTWORK</u>			
	<u>PREAMBLES</u>			
	For Preambles refer to "General Specification of Labour and Material and Methods to be used PW371"			
	<u>PAINTWORK ETC TO NEW WORK</u>			
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>			
	<u>One coat primer and two coats interior quality PVA emulsion paint</u>			
1	On internal walls	m2	1 200	
	<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>			
	<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>			
2	On external walls	m2	375	
	<u>ON INTERNAL GYPSUM PLASTER SURFACES</u>			
	<u>One coat primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>			
3	Ceilings and beams (Color: "White")	m2	2 028	
4	On fascias and barge boards	m2	778	
	<u>ON WOOD SURFACES</u>			
	<u>Two coats "Carbolineum" wood primer</u>			
5	On exposed roof timbers at eaves and verges	m2	300	
	<u>ON METAL SURFACES</u>			
	Carried Forward			R
	Bill No. 10 PAINTWORK			

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Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 11</u></p> <p><u>GLAZING</u></p> <p><u>PREAMBLES</u></p> <p>For Preambles refer to "General Specification of Labour and Material and Methods to be used PW371"</p> <p><u>Float glass</u></p> <p>The term "float glass" is used for monolithic annealed glass</p> <p><u>Laminated glass</u></p> <p>Laminated glass to have polyvinyl butyral (PVB) interlayer(s)</p> <p><u>GLAZING TO STEEL WITH PUTTY</u></p> <p><u>6mm Normal strength (NS) clear laminated safety glass</u></p>			
1	Panes exceeding 0,5m ² and not exceeding 2m ²	m2	410	
	Carried to Summary			R
	Bill No. 11 GLAZING			

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Item No		Quantity	Rate	Amount
	<u>BILL NO. 11</u>			
	<u>PROVISIONAL SUMS</u>			
	<u>ELECTRICAL INSTALLATION</u>			
	<u>Electrical Installation</u>			
1	Provide an amount of R180,000.00 (One Hundred and Eighty Thousand Rand) for electrical installation works complete	Item		180 000.00
2	Add for profit	Item		
3	Add for attendance	Item		
	<u>REFURBISH ALL ABLUTIONS</u>			
	<u>Refurbish all ablutions</u>			
4	Provide an amount of R200,000.00 (Two Hundred Thousand Rand) for ablution refurbishment works complete	Item		200 000.00
5	Add for profit	Item		
6	Add for attendance	Item		
	Carried to Summary			R
	Bill No. 12 PROVISIONAL SUMS			

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Bill No	<u>FINAL SUMMARY</u>	Page No	Amount
1	PRELIMINARIES	1	
2	ALTERATIONS	4	
3	ROOF COVERINGS, CLADDINGS, ETC	5	
4	CEILINGS, PARTITIONS AND ACCESS FLOORING	6	
5	CARPENTRY AND JOINERY	9	
6	IRONMONGERY	10	
7	METALWORK	11	
8	PLASTERING	12	
9	TILING	13	
10	PAINTWORK	15	
11	GLAZING	16	
12	PROVISIONAL SUMS	17	
	Sub Total		R
	Add: Value Added Tax @ 15%		R
	Carried to Form of Tender		R