

UNIVERSITY OF THE WITWATERSRAND
CAMPUS WATERPROOFING AND FAÇADE REPAIR PROGRAMME:
ITHEMBA LABS

PRICE SCHEDULE

Contract No: OPWFR0A_TO16

Item No	Quantity	Rate	Amount R
<u>BILL NO 1</u>			
<u>PRELIMINARIES</u>			
<u>PRELIMINARY AND GENERAL</u>			
<u>(Applicable to the whole of the Works)</u>			
<u>Preliminaries and general are to be priced in accordance with the programme submitted to complete the Works</u>			
<u>CORE CLAUSES</u>			
<u>1 General</u>			
1		SUM	
2		SUM	
3		SUM	
4		SUM	
5		SUM	
6		SUM	
7		SUM	
		SUM	
Carried Forward			R
Bill No. 1 PRELIMINARIES			

	Brought Forward		R
	<u>2 The Contractor's main responsibilities</u>		
8	Health and safety compliance services Without limiting the generality of the provisions of the agreement, the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993 in which it is specifically stated that the employer shall prepare a documented health and safety specification for the works (attached) and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the provisions of the aforementioned health and safety specification.	SUM	
9	Site transport	SUM	
10	Site accommodation and facilities - to be provided by the Contractor	SUM	
11	Temporary chemical toilet, to the approval of the Architect, for the full duration of the project and remove same upon completion	SUM	
12	Site security	SUM	
13	Clean site and remove rubble	SUM	
14	Site surveys	SUM	
15	Water supplies - provided by the client at selected points	SUM	
16	Power supply - provided by the client at selected points	SUM	
17	Notice boards and signage - all in accordance with Health and Safety and local authority requirements	SUM	
18	Site fencing and gates	SUM	
19	Hoarding requirements	SUM	
20	Scaffolding as deemed necessary to complete the works	SUM	
	Carried Forward		R
	Bill No. 1 PRELIMINARIES		

		R
Brought Forward		
21	Disruptions due to noisy work - There will be periods of time, associated with exams, when the contractor may not use noisy tools	SUM
22	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)	SUM
<u>3 Time</u>		
23	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)	SUM
<u>4 Testing and Defects</u>		
24	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)	SUM
<u>5 Payments</u>		
25	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)	SUM
<u>6 Compensation events</u>		
26	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)	SUM
Carried Forward		R
Bill No. 1 PRELIMINARIES		

Brought Forward		R
<u>7 Title</u>		
27	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)	SUM
<u>8 Risks and insurance</u>		
28	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)	SUM
<u>9 Termination</u>		
29	Items which are not covered in items above or in the Bill of Quantities and falls within Defined Cost of work (see clause 11.2 (23) in the NEC3 ECC) (specify)	SUM
Carried Forward to Summary of Section No.		R
Bill No. 1		
PRELIMINARIES		

Item No	Quantity	Rate	Amount R
<p><u>BILL NO 2</u></p> <p><u>ALTERATIONS (Provisional)</u></p> <p><u>The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (2008 Edition)</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Site Inspection</u></p> <p>The Tenderer is required to visit the site, inspect the existing premises and acquaint himself thoroughly with the nature of the work specified.</p> <p><u>Sizes and dimensions</u></p> <p>All sizes and dimensions stated herein are approximate and deemed only sufficient to identify the item of work concerned.</p> <p>No allowance for overbreak has been made to any of the adjoining structures, walls, finishes, etc., where removals or pockets occur (the nett opening size, etc., has been made good in later items of this bill where such making good has not been included with the item) and the Contractor must allow in his prices for making good any overbreak that may occur.</p>			
Carried Forward			R
Bill No. 2 ALTERATIONS			

Brought Forward	R
<p><u>Materials</u></p> <p>Old materials from alterations, except where described to be re-used or handed over, become the property of the contractor.</p> <p>Old materials from the alterations, except where described to be re-used or handed over, as well as all rubbish, etc., must be regularly carted from the site and not be allowed to accumulate on or around the site.</p> <p>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>Where certain materials or articles from demolitions or alterations are described as to be handed over by the Contractor to the Client, such materials or articles shall be properly stored by the Contractor, until handing over thereof.</p> <p>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 to do so, it shall be deemed that the materials or articles are still in his possession and he will be held liable to the Client for the full replacement value thereof, which amount will be deducted from any monies due to the Contractor.</p>	
<p style="text-align: center;">Carried Forward</p> <p>Bill No. 2 ALTERATIONS</p>	R

Brought Forward		R
<u>General</u>		
All new finishes are measured in the relevant trades for new work.		
Allow for watering the works sufficiently to prevent nuisance from dust.		
All alteration works described hereunder shall imply the use of an approved screed or plaster repairing compound and preparing existing surfaces to receive new.		
Provide all necessary propping, etc., required to ensure the safety and stability of the structure during the contract period and remove at completion.		
Provide all necessary additional barricades, screens, overhead protections, etc., required to ensure the safety of persons, property, etc., and remove at completion.		
All alteration work is within an existing facility. The contractor shall take utmost care to minimise damage to existing completed works in the vicinity of the alteration works.		
<u>REMOVAL OF EXISTING WORK</u>		
<u>Breaking up and removing precast concrete</u>		
1	Window sill	m 15
<u>Take up and remove sheet waterproofing to roofs and walls (Allowance 30% of roof area)</u>		
2	Waterproof sheeting to concrete roof slabs and upstand beams and prepare surface to receive new waterproofing (elsewhere measured)	m ² 590
<u>Removing loose and crumbling plaster from brickwork and preparing surfaces for new plaster, etc.</u>		
3	Hammer test to suspect plastered wall areas for adhesion	m ² 560
Carried Forward		R
Bill No. 2 ALTERATIONS		

Brought Forward				R
4	Plaster from walls	m ²	280	
<u>Taking out and removing glass</u>				
5	Glass from steel windows with putty, including cleaning out rebates and preparing and priming rebates for new glass	m ²	63	
<u>Preparation of walls to be painted</u>				
6	High pressure wash with a 250-350 bar rotating nozzle existing plastered walls to remove all paint, surface contaminants, friable materials and chalkiness	m ²	2 400	
<u>MAKE GOOD FINISHES, ETC.</u>				
<u>Precast concrete window sill</u>				
7	Patching precast concrete window sill to match existing with Prostruct 688 size approximately 180mm wide x 75mm thick	m	15	
<u>External Plaster</u>				
8	Plaster to walls in patches finished with Plascon masonry patching plaster and worked smooth with a timber trowel all in accordance with the manufacturers instructions	m ²	280	
<u>Repair plaster and structural cracks</u>				
9	Rake out plaster crack to walls, prepare surface with plaster primer and fill with "Mendall 90" and finish with PWC520 over repaired surface	m	69	
10	Rake out existing pointing to coping blocks and replace with Tal Wall and Floor Grout mixed with Tal Bond as a water replacement all in accordance with the manufacturer's instructions	m	306	
<u>Putty to steel windows</u>				
11	Replace damaged putty to existing steel windows including priming of rebates	m ²	100	
Carried Forward to Summary of Section No.				R
Bill No. 2				
ALTERATIONS				

Item No		Quantity	Rate	Amount R
	<u>BILL NO 3</u>			
	<u>WATERPROOFING (Provisional)</u>			
	<u>The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (2008 Edition)</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	Waterproofing of roofs, basements, etc. shall be laid by an approved Derbigum Contractor. The contractor to provide an unconditional guarantee for as many number of years he chooses as part of the Quality scoring elsewhere. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs			
	Descriptions are deemed to include dressing around pipes and into outlets and channels			
	<u>WATERPROOFING TO ROOFS, BASEMENTS, ETC.</u>			
	<u>3mm "Derbigum SP3" fully bonded waterproofing membrane with 75mm side laps, 100mm end laps</u>			
1	On upstands and tops of inverted beams	m ²	315	
	<u>4mm "Derbigum SP4" fully bonded waterproofing membrane with 75mm side laps, 100mm end laps, including dressing around pipes</u>			
2	Inspect existing torch-on waterproofing to flat roofs and patch small isolated cuts or weakened spots to waterproofing	m ²	1 965	
3	On flat roofs not exceeding 25 degrees from the horizontal	m ²	590	
4	Waterproofing around full bore outlets	No	22	
	<u>PROTECTIVE ROOFING PAINT</u>			
	Carried Forward			R
	Bill No. 3 WATERPROOFING			

		Brought Forward			R
5	<u>Two coats Roofcote bituminous aluminium paint</u> On waterproofing	m ²	2 280		
Carried Forward to Summary of Section No.					R
Bill No. 3 WATERPROOFING					

Item No	<u>BILL NO 4</u>	Quantity	Rate	Amount R
	<u>GLAZING</u>			
	<u>GLAZING TO STEEL WITH PUTTY</u>			
	<u>6.38 mm Clear safety glass</u>			
1	Panes exceeding 0,5m2 and not exceeding 2m2	m ²	63	
	Carried Forward to Summary of Section No.			R
	Bill No. 4 GLAZING			

Item No		Quantity	Rate	Amount R
	<u>BILL NO 5</u>			
	<u>PAINTWORK</u>			
	<u>The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (2008 Edition)</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>DESCRIPTIONS</u>			
	Descriptions of paintwork shall be deemed to include for all cutting in			
	Where woodwork is to be resealed it should not be sanded down to the original wood but rather cleaned and rubbed down by hand with steel wool or a fine sand paper. The intention is not to make the timber look new, the age of the timber is part of its character.			
	Timber panelling, doors and door frames should be protected from damage, especially from ladders etc. These should be covered with soft board to protect them from damage throughout construction.			
	<u>PAINT SPECIFICATIONS</u>			
	All painting shall be done in accordance with "Plascon-Evans" specifications and the relevant Product Data Sheets and a site inspection must be carried out by a Plascon consultant prior to painting			
	<u>PAINTWORK, ETC. TO EXISTING WORK ON</u>			
	<u>FLOATED PLASTER SURFACES WITH</u>			
	<u>Prepare existing surfaces and apply spot primer and two finishing coats Professional Superior Matt PEM 950/TPM 1000 tint base</u>			
1	On general surfaces of external walls, ledges, parapet walls and window sills	m ²	2 400	
2	To reveals of window, etc.	m ²	167	
	Carried Forward			R
	Bill No. 5 PAINTWORK			

Brought Forward			R
<u>Prepare existing surfaces and apply Contractors Matt White PEM 600/TCP 1000 pastel tint</u>			
3	On plastered ceilings	m ²	192
<u>Prepare existing surfaces and apply two coats Professional Waterproofing Compound (PWC 520)</u>			
4	On general surfaces of external plaster bands, window sills, ledges, protruding plaster detail and parapet walls	m ²	167
<u>WOOD</u>			
<u>One coat Plascon wood primer, one coat Plascon universal undercoat and two coats Plascon High Gloss Enamel paint on</u>			
5	On general surfaces of doors	m ²	29
6	On door frames	m ²	4
<u>METAL</u>			
<u>Prepare existing surfaces and treat with Plascon Rust Remover (RR 1) and brush off all rust, apply one coat Plascon Rusist Rust Converter (EMS 21), wash, prime with Plascon Multisurface Primer (WUP 1) on steel</u>			
7	To rebates of windows where glass and putty has been removed (elsewhere measured) not exceeding 300mm wide or girth	m	289
<u>Prepare existing surfaces and treat with Plascon Rust Remover (RR 1) and brush off all rust, apply one coat Plascon Rusist Rust Converter (EMS 21), wash, prime with Plascon Multisurface Primer (WUP 1) and two coats Plascothane Polyurethane Enamel (UP) paint on steel</u>			
8	On general surfaces of windows (Provisional)	m ²	840
9	On balustrade approximately 1m high (measured both sides)	m ²	41
Carried Forward			R
Bill No. 5 PAINTWORK			

		Brought Forward		R
10	On walkway balustrade approximately 1m high (measured both sides)	m ²	177	
11	On steel columns	m ²	77	
Carried Forward to Summary of Section No.				R
Bill No. 5 PAINTWORK				

Item No		Quantity	Rate	Amount R
	<u>BILL NO 9</u>			
	<u>PROVISIONAL SUMS ETC</u>			
	<u>The Tenderer is referred to the relevant Clauses in the Model Preambles for Trades (2008 Edition)</u>			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>General</u>			
	All prime cost amounts and provisional sums are net and include for delivery to site of all articles concerned.			
	Under no circumstances may any Provisional Sum or P.C Item be altered.			
	Unless a specific percentage mark up for attendance is indicated in the rate column, the amounts priced by the contractor for attendance against each Provisional Sum shall be deemed to be Lump Sum and shall not be adjusted unless the scope of the sub-contract varies significantly.			
	Provisional Sums contained herein may be omitted or reduced at the employer's sole discretion and the contractor shall not be entitled to claim for any loss by way of reductions or omissions of any discount, or percentage relating to the Provisional Sums, P.C Amounts or any loss of profit related thereto.			
	<u>ALLOW THE FOLLOWING PROVISIONAL SUMS</u>			
	<u>Waterproofing</u>			
1	Allow a Provisional Sum of R98 800.00 for waterproofing specialist	Item		98 800.00
2	Profit and attendance		%	
	<u>Metalwork</u>			
3	Allow a Provisional Sum of R22 500.00 for metalwork specialist for balustrading	Item		22 500.00
	Carried Forward			
	Bill No. 6 PROVISIONAL SUMS ETC		R	

**iThemba Labs
Painting External Facades Contract**

Brought Forward		R	
4	Profit and attendance	%	
	<u>Mechanical equipment</u>		
5	Allow a Provisional Sum of R35 000.00 for removal of mechanical equipment	Item	35 000.00
6	Profit and attendance	%	
Carried Forward to Summary of Section No.		R	
Bill No. 6 PROVISIONAL SUMS ETC			

SECTION SUMMARY - BILL OF QUANTITIES

Bill No		Page No	Amount R
1	PRELIMINARIES	5	
2	ALTERATIONS	9	
3	WATERPROOFING	11	
4	GLAZING	12	
5	PAINTWORK	15	
6	PROVISIONAL SUMS ETC	17	
Carried to Final Summary - excluding 15% vat			R

Section No	<u>FINAL SUMMARY</u>	Page No	Amount R
1	BILL OF QUANTITIES	18	
	Sub total		R
	15% Value added tax		R
	CARRIED TO OFFER AND ACCEPTANCE (vat inclusive)		R