

Freedom Park Uitspan Plek Walkway

Bill No. 1 PRELIMINARIES AND GENERAL

SECTION 1

Item no.	Description	Quantity	Rate	Amount
	<p><u>PRELIMINARIES</u></p> <p><u>MINOR WORKS AGREEMENT</u></p> <p>The agreement shall be the Minor Works Agreement prepared and published by the Joint Building Contracts Committee: Minor Works Agreement: Edition 5.2 May 2018 (The JBCC Series 2000 Principal Building Agreement).</p> <p><u>PRELIMINARIES</u></p> <p>The preliminaries shall be the Preliminaries prepared and published by the Joint Buildin Areement: Code 2103, May 2005. (The JBCC Series. 2000 Preliminaries)</p> <p><u>FULL INTENT AND MEANING OF CLAUSES</u></p> <p>Tenderers shall be deemed to have referred to the afore-mentioned documents for the full intent and meaning of each clause. These clauses are hereinafter referred to by the heading and clause number only.</p> <p>Where standard clauses or alternatives are not applicable to this contract, such modifications, corrections or supplements as are necessary are given under each relevant clause headin or withi the relevant schedule.</p> <p>Where an item is not relevant to this specific contract, such item is marked "N/A" signifying " Not applicable".</p> <p><u>PRICING OF CLAUSES</u></p> <p>Tenderers shall allow opposite each clause for any cost involved with complying with such clause.l Any clauses left unpriced shall be deemed to be covered by rates and prices elsewhere incorporated throughout these bills of quantities.</p> <p>Carried Forward</p>			
				R -

FREEDOM PARK WALKWAY

SECTION 1

FREEDOM PARK WALKWAY

Bill No 1 PRELIMINARIES AND GENERAL
SECTION 1

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
4	Documents, Design and Assignment (Clause 4).	ITEM		
	<u>EXECUTION</u>			
5	Employer (Clause 5).	ITEM		
6	Employer's agents	ITEM		
7	Contractor - Site representative	1		
8	Direct Contractors (Clause 8.0)	ITEM		
	<u>COMPLETION</u>			
9	Practical Completion (Clause 9).	ITEM		
10	Final Completion (Clause 10).	ITEM		
11	Extension of the Contract Period (Clause 11).	ITEM		
12	Penalty for Non-Completion (Clause 12).	ITEM		
	<u>PAYMENT</u>			
13	Adjustment to Contract Value (Clause 14).			
14	Valuation and Payment to Contractor (Clause 13). Clause 13.11 is amended as follows : 'The Employer shall pay the Contractor the amount certified within 14 (fourteen) calendar days of the date of issue of the payment certificate.'			
	Carried Forward			R -

FREEDOM PARK WALKWAY

SECTION 1

FREEDOM PARK WALKWAY

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
	<u>CONTRACTING AND OTHER PARTIES</u>			
	Employer: Freedom Park			
	Postal address: Cnr Korch & 7th Avenue, Salvokop Pretoria			
	Code: 0001			
	Telephone: (012) 336 4020			
	Email: info@freedompark.co.za/ themba@freedompark.co.za			
	Contact Person: Themba Masango			
	EMPLOYER'S AGENT Imbeu Developments & Project Managers (5.1)			
	Postal address: Office suite 313 353 Festival Street, Hatfield			
	Code: 28			
	Tel: (012) 004 1796			
	Email: info@imbeu.co.za / thabiso@imbeu.co.za			
	Contact Person: Thabiso Aphane			
	Carried Forward			R -

FREEDOM PARK WALKWAY

Bill No 1 PRELIMINARIES AND GENERAL

SECTION 1

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
20	<p><u>CONTRACT DETAILS</u></p> <p>Works Description: Construction of a pedestrian walkway at Uitspan Plek in Freedom Park</p> <p>This Agreement is for a Government Contract (Yes)</p> <p>Date on which possession of the site is intended to be given: TBC.</p> <p>Completions in sections are required (No).</p> <p>Intended date of practical completion and the penalty per calendar day for the works as a whole:</p> <p>PC Date - will be 1 calendar month after site handover</p> <p>Penalty: R2000/calendar day</p> <p>Where this agreement is for a government contract payment will be made for materials and goods. (No)</p> <p>Government contract dispute resolution (Arbitration)</p> <p>Arbitration rules as recommended by Association of Arbitrators(SA)(Yes)</p> <p><u>INSURANCES</u></p> <p>Contract works insurance to be effected by the Contractor: For the sum of: Contract Sum plus 20% with a deductible of: to be determined by the Insurance Company issueing the insurance policy</p> <p>Public liability insurance required - Yes : to be effected by the Contractor for the amount of: R 5 000 000,00 with a deductible of: R 2 500,00</p>			
21	<p><u>DOCUMENTS</u></p> <p>Waiver of the contractor's lien is required at Practical Completion (Yes)</p>			
	Carried Forward			R -

FREEDOM PARK WALKWAY

Bill No 1 PRELIMINARIES AND GENERAL

SECTION 1

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
	Alternative if contract value is not adjusted using CPAP: Fixed Price.			
	Details of changes made to the provisions of JBCC standard documentation:			
	1. Clause 13.11 : Payment Period : The Contractor is to be paid within fourteen (14) calendar days and NOT seven (7) calendar days.			
	2. Tender validity is 30 days.			
	3. Clause 18 : Notwithstanding Item 18.1. The Chairman of the Association of Arbitrators (Southern Africa) shall provide the two parties with a short list of three arbitrators from which both parties will select two as being acceptable. From this basis they will then reach agreement upon the arbitrator.			
	<u>SECTION B: PRELIMINARIES</u>			
	<u>DEFINITIONS AND INTERPRETATION (B1)</u>			
	<u>DOCUMENTS (B2):</u>			
22	Checking of documents (B2.1) These Bills of Quantities contain pages and annexures as indexed on the flyleaf. The items in these Bills of Quantities are to be read and priced in conjunction with, and the descriptions regarded as amplified by "Model Preambles for Trades 2008" as published by the Association of South African Quantity Surveyors, and no claim arising from brevity of description of items fully described in the said Preambles to all Trades and Supplementary documentation will be entertained.	Item		
	The Site (B3)			
23	Defined works area (B3.1): The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the principal agent on handing over of the site.			
	Carried Forward			R -

FREEDOM PARK WALKWAY

Bill No 1 PRELIMINARIES AND GENERAL
SECTION 1

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
24	Inspection of the Site (B3.3) No claims for extras arising from the contractor having failed to comply with this clause will be entertained.	Item		
25	Existing premises occupied (B3.4): Yes	Item		
26	Services - known (B3.7)	Item		
27	Services - unknown (B3.8)	Item		
28	Protection of trees (B3.9)	Item		
	MANAGEMENT OF CONTRACT (B4)			
29	Management of the Works (B4.1)	Item		
30	Programme for the Works (B4.2)	Item		
31	Progress meetings (B4.3)	Item		
32	Technical meetings (B4.4)	Item		
	SAMPLES AND SHOP DRAWINGS (B5)			
33	Samples of materials (B5.1)	Item		
34	Workmanship samples (B5.2)	Item		
35	Shop drawings (B5.3)	Item		
	TEMPORARY WORKS AND PLANT (B6)			
36	Enclosure of the works (B6.2)	Item		
37	Plant, equipment, sheds and offices (B6.4)	Item		
	Carried Forward			R -

FREEDOM PARK WALKWAY

Bill No 1 PRELIMINARIES AND GENERAL

SECTION 1

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
38	<p><u>DOCUMENTS</u></p> <p>Waiver of Contractor's lien or right of continuing possession is required:</p> <p>Yes</p> <p>Construction document copies to be supplied to the Contractor free of charge:</p> <p>Three (3)</p> <p>Bills of Quantities/Lump sum document/ schedule of rates drawn up in accordance with:</p> <p>Standard System of Measuring Building Work 1999, Sixth Edition (Revised)</p> <p>On acceptance of the tender the bills of quantities/lump sum document is to be submitted within working days:</p> <p>Five (5)</p> <p>JBCC Engineering General Conditions are to be included in the contract documents:</p> <p>No</p> <p>The contract value is to be adjusted using CPAP indices:</p> <p>NO</p>			
	Carried Forward			R -

FREEDOM PARK WALKWAY

Bill No 1 PRELIMINARIES AND GENERAL

SECTION 1

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
	<u>DEFINATIONS AND INTERPRETATION</u>			
39	Definations and interpretation			
	<u>DOCUMENTS</u>			
	Checking of documents.			
	The items in these bills of quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades as recommended and published by the Association of South African Quantity Surveyors, 1999 edition, and no claim arising from brevity of . description of items fully described in the said Model Preambles for Trades will be entertained			
	Provisional bills of quantities.			
	These bills of quantities shall <u>not</u> be used for ordering purposes			
	Availability of construction documentation.			
	The budgetary allowances allocated for sub-contract amounts allocated for subsequent trades included in this document will be separatly procured, based on multiple procurement of sub-contractorsduring construction period.			
	Prior to signing of the Minor Works Agreement the Principal Agent shall be at liberty to make such adjustments to individual rates, whether they are Subcontractor's rates or not, as will eliminate errors or discrepancies or which he considers to be imbalanced, unreasonable or unrealistic rates, without altering the tender sum.			
	Carried Forward			R -

FREEDOM PARK WALKWAY

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
40	<u>THE SITE</u> Define works area. The area of the works to be occupied by the contractor, any restriction on the area and the limit of access or exit will be pointed out to the contractor by the Principal Agent on handing over the site. F:.....V:.....T:..... Geotechnical investigation. F:.....V:.....T:..... Inspection of site. There will be a compulsory site inspection and briefing meeting as per the tender advertisement. Failure to attend will lead to disqualification of the tender. F:.....V:.....T:..... Existing premises occupied F:.....V:.....T:..... Previous work-dimensional accuracy F:.....V:.....T:..... Carried Forward			R -

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
	Previous work-defects			
	F:.....V:.....T:.....			
	Service-known			
	F:.....V:.....T:.....			
	Service-known			
	F:.....V:.....T:.....			
	Protection of trees			
	F:.....V:.....T:.....			
	Articles of value			
	F:.....V:.....T:.....			
	Inspection of adjoining properties			
	F:.....V:.....T:.....			
	Carried Forward			R -

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
41	<u>MANAGEMENT OF CONTRACT</u>			
	Management of the works			
	The Contractor shall obtain all necessary particulars of Subcontractors' work timeously so that provision for recesses, chases,holes,etc.can be made			
	F:.....V:.....T:.....	1		
	Programming for the Works			
	F:.....V:.....T:.....	1		
	Progress meetings			
	F:.....V:.....T:.....	1		
	Technical meetings			
	F:.....V:.....T:.....	1		
	labour and plant records			
	Carried Forward			R -

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
42	<u>SAMPLES AND SHOP DRAWINGS</u>			
	Samples of materials			
	F:.....V:.....T:.....			
	Workmanship samples			
	F:.....V:.....T:.....			
	Shop drawings			
	F:.....V:.....T:.....			
	Complaine with manufactures; instructions			
	F:.....V:.....T:.....			
	Carried Forward			R -

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
43	<u>TEMPORARY WORKS AND PLANT</u>			
	Deposists and fees			
	F:.....V:.....T:.....			
	Enclosure of the works			
	F:.....V:.....T:.....	1		
	Advertising			
	F:.....V:.....T:.....			
	Plant,equipment,sheds and offices			
	F:.....V:.....T:.....	1		
	Main noticeboard			
	F:.....V:.....T:.....	1		
	Carried Forward			R -

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
	Subcontractors notice board			
	F:.....V:.....T:.....			
44	<u>TEMPORARY SERVICES</u>			
	Location			
	F:.....V:.....T:.....			
	Water			
	F:.....V:.....T:.....	1		
	Electricity			
	F:.....V:.....T:.....			
	Carried Forward			R -

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
	Telecommunication equipment			
	F:.....V:.....T:.....			
	Ablution facilities			
	F:.....V:.....T:.....			
	Commissioning-fuel,water and power			
	F:.....V:.....T:.....			
45	<u>FINANCIAL ASPECTS</u>			
	Statutory taxes,duties and levies.			
	Provision is made in the summary of these bills of quantities inclusion of Value Added Tax (VAT)			
	F:.....V:.....T:.....			
	Carried Forward			R -
	FREEDOM PARK WALKWAY			

Bill No 1 PRELIMINARIES AND GENERAL

SECTION 1

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
	Payment of preliminaries			
	F:.....V:.....T:.....			
	Adjustment of preliminaries			
	Should the contractor select Alternative B but fails to provide the information required prior to signing of the contract, the Principal Agent shall have the right to select either Alternative A or B for the adjustment of preliminaries. If the Principal Agents selects Alternative B he shall be entitled to make assumptions at his discretion regarding the information which the contractor would normally have provided prior to the signing of the contract			
	F:.....V:.....T:.....			
	Payment certificate cash flow			
	F:.....V:.....T:.....			
	Carried Forward			R -

FREEDOM PARK WALKWAY

Bill No 1 PRELIMINARIES AND GENERAL

SECTION 1

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
46	<u>GENERAL</u>			
	Protection of the Works			
	F:.....V:.....T:.....			
	Protection/isolation of existing/sectionally occupied Works			
	F:.....V:.....T:.....			
	Site security			
	The contractor shall provide and maintain twenty- four hour site security and loss control system all the satisfaction of the principal agent. It is envisaged that these procedures will incorporate, inter alia, gate control for personnel and vehicles, individuals entry permits, regular security patrols and the like.			
	F:.....V:.....T:.....	1		
	Carried Forward			R -

FREEDOM PARK WALKWAY

SECTION 1

FREEDOM PARK WALKWAY

SECTION 1

FREEDOM PARK WALKWAY

Bill No 1 PRELIMINARIES AND GENERAL

SECTION 1

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
	Main Notice board			
	one main notice board shall be provided			
	Subcontractor notice board			
	A notice board is required.			
	No			
	Water			
	Option B (by Employer)			
	Yes			
	Electricity			
	Option B (by Employer)			
	Yes			
	Telephone			
	Facsimile			
	Yes			
	E-mail			
	Yes			
	Ablution Facilities			
	Option A (by contractor)			
	Yes			
	Protection of existing/sectionally occupied works			
	Protection is required			
	No			
	Carried Forward			R -

FREEDOM PARK WALKWAY

Bill No 1 PRELIMINARIES AND GENERAL

SECTION 1

Item no.	Description	Quantity	Rate	Amount
	Brought Forward			R -
115	<p>Occupational Health and Safety Act</p> <p>The contractor shall comply with all the requirements set out in the construction regulation 2003 issued under the Occupational Health and Safety Act,1993 (Act No.85 of 1993).</p> <p>It is required of the contractor to thoroughly study the Health and Safety Specification and must be read together with and is deemed to be incorporated under the section of the Bills of Quantities.</p> <p>The contractor must note that compliance with the Occupational Health Safety Act Construction, regulation and Health Safety Specification is compulsory, In the event of partial or total non- compliance the Principal Agent notwithstanding the provision of clause A31.0 of section A or any other Clause to the Contrary, reserves the right to delay issuing any progress until the contractor provides satisfactory proof of compliance, The contractor shall not be entitle to any compensation of whatsoever nature includi interst due to such delay of payment.</p> <p>Provision for pricing of the Occupational Health and Safety Act, construction regulation and Health and Safety Specification is made under this clause and it s is explicitly pointed out that all requirement of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p> <p>F:.....V:.....T:.....</p>	1		
	Carried to Final Summary			R -

FREEDOM PARK WALKWAY

FREEDOM PARK WALKWAY

		<u>Currency</u>			<u>1</u>
		<u>Factor</u>			<u>1</u>
		<u>Name</u>			
<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT</u>	<u>QUANTITY</u>	<u>RATE</u>	<u>AMOUNT</u>
	<u>BILL 2 :EARTHWORKS, ETC.</u>				
	<u>FOUNDATIONS (PROVISIONAL)</u>				
	<u>(CPAP WORK GROUP NO. UNLESS OTHERWISE STATED)</u>				
	<u>SITE CLEARANCE ETC</u>				
	<u>Site clearance</u>				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc	m2	530		
2	Stripping average 150mm thick layer of top soil and stockpiling on site	m2	530		
	<u>EARTHWORKS (PROVISIONAL)</u>				
	<u>EXCAVATIONS</u>				
	<u>Excavations in earth not exceeding 2m deep</u>				
3	Foundations and or surface trenches	m3	85		
	<u>Extra over trench and hole excavations for excavation in:</u>				
4	Soft rock	m3	20		
5	Hard rock	m3	5		
	<u>Extra over all excavations for carting away</u>				
6	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m3	60		
	<u>Risk of collapse of excavations</u>				
7	Side of trench and hole excavations from natural, elevated or reduced ground level not exceeding 1500mm deep	m2	480		
	<u>Keeping excavations free of water</u>				
8	Keeping excavations free of water other than subterranean water (Proven Method and Expenditure)	Item	1		
	<u>FILLING, ETC.</u>				
	<u>Earth filling obtained from the excavations</u>				
9	Earth filling obtained from excavations and/or prescribed stock piles on site, compacted in 150mm layers to 93% Mod AASHTO density	m3	57		
	<u>Earth filling supplied by the contractor</u>				
	Earth filling obtained from disgnated borrow pits and/or prescribed comercial sources, compacted in 150mm layers to 93% Mod AASHTO density				
10	Backfilling to strip footings, bases etc	m3	6		
	<u>Compaction of surfaces</u>				
11	Scarifying ground surface under floors etc for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and re-compacting to 93% Mod AASHTO density	m2	10		
	Prescribed density tests on filling				
12	Modified AASTHO Density test	No	30		
	<u>SOIL POISONING</u>				
	Soil insecticide in accordance with Architects Specifications				
13	Under floors & or under walkway structure etc, where necessary including forming and poisoning shallow furrows against foundations walls etc. filling and ramming	m2	530		
14	To bottoms and sides of trenches etc	m2	424		
	<u>BILL 2 :CONCRETE, FORMWORK AND REINFORCEMENT</u>				
	<u>(CPAP WORK GROUP NO. 110 UNLESS OTHERWISE STATED)</u>				
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				

	PREAMBLES				
	The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.				
	SUPPLEMENTARY PREAMBLES				
	Cost of test				
	The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the principal agent. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the principal agent. (Test cubes are measured separately)				
	Formwork				
	Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use				
	EXCAVATED SURFACES				
	15MPa/19mm concrete				
1	In ramps	m3	3		
	REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES				
	25Mpa/19mm Concrete				
2	Strip footings and Column Bases	m3	30		
	REINFORCED CONCRETE CAST IN/ON FORMWORK				
	25MPa/19mm concrete				
3	Columns	m3	12		
	SMOOTH FORMWORK				
	Smooth formwork to soffits				
4	Column and bases	m2	195		
	TEST CUBES				
5	Making and testing 150 x 150 x 150mm concrete strength test cubes (Provisional)	Set	18		
	CONCRETE SUNDRIES				
	Finishing top of surface bed smooth with a power float				
6	Surface beds, slabs, etc.	m2	0		
	Finishing top of surface bed smooth with a wood float				
7	Ramp	m2	20		
	MOVEMENT JOINT				
	10 mm Wide Jointex with 10 x 10mm tear off strip with Polysulphide on surface beds not exceeding 300mm wide				
8	Not exceeding 300mm high to edges of surface bed	m	25		
	REINFORCEMENT (PROVISIONAL)				
9	Mild steel reinforcement to structural concrete work				
10	8mm diameter bars	t	0,2		
	High tensile reinforcement for structural concrete work				
11	8mm Diameter bars	t	0,2		
12	12mm Diameter bars	t	1,5		
13	16mm Diameter bars	t	1,4		
	MASONRY				
	PREAMBLES				

	The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.				
	SUPPLEMENTARY PREAMBLES				
	Sizes in descriptions				
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick				
	Face bricks				
	Bricks shall be ordered timorously to obtain uniformity in size and colour				
	BILL 3: FOUNDATION BRICKWORK				
	<u>Brickwork of NEP burnt clay bricks (14MPa nominal compressive strength) in class II mortar (SABS 227)</u>				
1	Half brick walls	m2	1		
2	One brick walls	m2	1		
2	Columns	m3	1		
	SUPERSTRUCTURE BRICKWORK				
	<u>Brickwork of NEP burnt clay bricks (14MPa nominal compressive strength) in class II mortar (SABS 227)</u>				
4	Half Brick Walls	m2	1		
5	One Brick Walls	m2	60		
	Brick-on-edge coping				
6	Margin course on top of one brick walls	m	85		
	BRICKWORK SUNDRIES				
	<u>2.5mm Brickwork Reinforcement</u>				
7	75mm Wide built in horizontally	m	50		
8	150mm Wide built in horizontally	m	240		
	FACE BRICKWORK				
	<u>Brick-on-edge header coarse copings, sills etc of Moroccan red blend travertine or similar approved face bricks, pointed with recessed joints on all exposed faces</u>				
10	220mm Wide sills set sloping and slightly projected	m	1		
	QARRY CLADDING/ CILLS OF APPROVED COLOUR BEDDED AND JOINTED IN CEMENT MORTAR AND NEATLY POINTED WITH 6MM WIDE HALF ROUND JOINTS IN COLOURED CEMENT MORTAR				
11	220 x 710mm Stone CLADDING WALL	m3	14		
	BILL 4: CARPENTRY AND JOINERY, ETC.				
	PREAMBLES				
	The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371B) July 2013.				
	SUPPLEMENTARY PREAMBLES				
	Fixing				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be 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 500mm centres and where described as "bolted", the bolts have been given elsewhere				
	Joinery				
	Descriptions of frames shall be deemed to include frames, transoms, rails, etc Descriptions of hardwood joinery shall be deemed to include sinking and pelleting heads and nuts of bolts				
	NAILED TIMBER DECKING CONSTRUCTION ETC				
1	Co-extruded mineral-polymer Composite timber decking(Brazilian Teak color) to manufacturer's specifications fixed to lipp channes or as per Engineer's detail.	m2	220		

	BILL 5: METALWORK				
	SUNDRY STEELWORK				
1	M20 Grade 8,8 high tensile Holding down bolts to Engineer's detail in stub columns welded to column and base reinforcements	No	424		
2	300mm x 300mm x 6mm thick base plates welded to SHS 150 X 150 X 6mm thick, 1,6m length steel columns to Eneer's detail	No	106		
3	SHS 150 X 150 X 6mm thick & 1,6m length steel columns to Eneer's detail@ 26,2kg/m	tonnes	4,5		
4	LC 200 x 75 x 20 x 4,5mm thck Beams bolted or welded to 150 X 150 X 6mm thick 1,6m length steel columns to Eneer's detail@ 12,95kg/m	tonnes	3,6		
5	1000mm High Stainless steel Balustrades handrail fixed to structural steel frame to engineer's detailcomplete with vetical rails base plates , cover shoes , accessories , etc	m	220		
6	25mm Non shrink grout under stub colymn base plates	m3	0,5		
7	150 x 150 diamond cap welded to SHS 150 X 150 Seel columns	No	106		
	BILL 6: PAINTWORK				
	PAINTWORK, ETC. TO NEW WORK:				
	ON FACE BRICKS:				
	ON METAL:				
	<u>Spot priming defects in pre-primed surfaces with "Plascon UC.53 Namelcote" zink chromate primer, one coat "UC-1 Merit" universal undercoat and two coats "G" universal enamel gloss paint on:</u>				
1	Steel Columns	m2	102		
2	Steel Beams	m2	160		
	ON WOOD:				
	<u>One coat "Plascon PNW.22 Sunproof" wood coating thinned by 10% "AZH" mineral turpentine and two coats un-thinned "Plascon PNW.22 water proof &Sunproof" wood coating, lightly sanded down between coats on:</u>				
3	Timber Decking	m2	220		
	BILL 6: BUDGETARY AMOUNTS				
	<u>Budgetary allowance for the sum of R100 000.00 for the electrical supply and lighting to the walkway to be expanded in part or in whole as directed by the Principal Agent.</u>	Item			
	Total carried to summary				R0,00

Freedom Park walkway Summary Page

ITEM	Final Summary	Totals
1	Preliminary and Generals	R0,00
2	Main works	R0,00
3	Contigency @ 2,5%	R0,00
4	Sub -Total 1	R0,00
5	VAT @ 15%	R0,00
6	Carried to Form of Tender	R0,00