

CLIENT: SOUTH AFRICAN NATIONAL BIODIVERSITY INSTITUTE (SANBI) (Q11449-2025)

TITLE OF THE PROJECT: ***THE SOUTH AFRICAN NATIONAL BIODIVERSITY INSTITUTE (SANBI) REQUIRES A SERVICE PROVIDER FOR THE REFURBISHMENTS OF THE OLD MUTUAL CONFERENCE CENTRE AT THE KIRSTENBOSCH NATIONAL BOTANICAL GARDEN IN CAPE TOWN.***

SCHEDULES FOR REPAIR WORK		REPAIR
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CLIENT: SOUTH AFRICAN NATIONAL BIODIVERSITY INSTITUTE (SANBI)

THE SOUTH AFRICAN NATIONAL BIODIVERSITY INSTITUTE (SANBI) REQUIRES A SERVICE PROVIDER FOR THE REFURBISHMENTS OF THE OLD MUTUAL CONFERENCE CENTRE AT THE KIRSTENBOSCH NATIONAL BOTANICAL GARDEN IN CAPE TOWN.

NB TENDERERS MUST COMPLETE THE SCHEDULE OF QUANTITIES IN BLAC INK

SCHEDULE NO 1: PRELIMINARY AND GENERAL

ITEM NO	DESCRIPTION	QTY	AMOUNT
	<u>BILL NO. 1</u> <u>PRELIMINARIES</u> <u>BUILDING AGREEMENT AND PRELIMINARIES</u> The JBCC Minor Works Agreement (Edition 5.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described The JBCC Minor Works Agreement contract data form an integral part of this agreement The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Minor Works Agreement (Edition 5.2 - May 2018) shall be deemed to be incorporated in these bills of quantities, amended as hereinafter described The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable" Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence notwithstanding anything to the contrary contained in the abovementioned documents <u>PREAMBLES FOR TRADES</u> The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these bills of quantities and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained Supplementary preambles and/or specifications are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles and/or specifications shall take precedence over the provisions of the General Preambles		

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ITEM NO	DESCRIPTION	QTY	AMOUNT
	The contractor's prices for all items throughout these bills of quantities shall take account of and include where applicable for all of the obligations, requirements and specifications given in the General Preambles and in any supplementary preambles and/or specifications <u>STRUCTURE OF THIS PRELIMINARIES BILL</u> Section A : A recital of the headings of the individual clauses in the aforementioned JBCC Minor Works Agreement Section B : A recital of the headings of the individual clauses in the aforementioned JBCC General Preliminaries Section C : Any special clauses to meet the particular circumstances of the project <u>PRICING OF PRELIMINARIES</u> Should the contractor select Option A in the contract data for the adjustment of preliminaries, the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T) <u>SECTION A: MINOR WORKS AGREEMENT</u> <u>Interpretation (A1-A7)</u> 1 Clause 1.0 - Definitions and interpretation Pricing of bills of quantities The contractor is to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement), patterns, models and templates, plant, temporary works, returning of packaging, duties, taxes (other than Value Added Tax), imposts, establishment charges, overheads, profit and all other obligations arising out of this agreement. Value Added Tax (VAT) is to be separately stated on the summary page of these bills of quantities Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the contractor's omission to price any item will be entertained Prices for all construction equipment, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary		

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ITEM NO	DESCRIPTION	QTY	AMOUNT
	Abbreviated descriptions The items in these bills of quantities utilise abbreviated descriptions. It is the intention that the abbreviated descriptions be fully described when read with the applicable measuring system and the relevant preambles and/or specifications. However, should the full intent and meaning of any description not be clear, the contractor shall, before submission of his tender, call for a written directive from the principal agent, failing which it shall be assumed that the contractor has allowed in his pricing for materials and workmanship in terms of international best practice Legal status of contractor If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then: 1. These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement 2. These persons shall notify the employer of their leader who has assigned authority to bind the contractor and each of these persons 3. The contractor shall not alter its composition or legal status without the prior written consent of the employer F:..... V:..... T:..... 2 Clause 2.0 - Law, regulations and notices Not Applicable. 3 Clause 3.0 - Offer, acceptance and assignment F:..... V:..... T:..... 4 Clause 4.0 - Documents Value Added Tax Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT) Priced document as specification Clause 4.3 is deemed to be deleted The principal agent shall decide which portion of the priced document may be used as a specification of materials and goods or methods, if any. Electronic issue of drawings All drawings for this project will be issued electronically and the contractor shall be deemed to have received such drawings on the date that such drawings have been dispatched electronically [4.5] F:..... V:..... T:.....	Item Item Item	

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ITEM NO	DESCRIPTION	QTY	AMOUNT
5	Clause 5.0 - Employer's agents Delegated authority The authority of the principal agent to issue contract instructions [14.1] and perform duties for specific aspects of the works is delegated to agents as follows [5.2]. This does not preclude the principal agent from issuing such contract instructions: 1. <u>Structural Engineer</u> <i>Note that the contract instructions are selected from those listed in clause 14.1 of the JBCC MWA</i> 1.1 Duties [5.2] : The structural engineer is responsible for the architectural design, functional design and quality inspection of the works 1.2 Contract instructions [5.2; 14.1] : 1.2.1 Rectification of discrepancies, errors in description or quantity or omissions of items in this agreement other than in the JBCC Minor Works Agreement 1.2.2 Alteration to design, quality or quantity of the works provided that such contract instructions shall not substantially change the scope of the works 1.2.3 The site [12.0] 1.2.4 Compliance with the law, regulations and bylaws [2.1] 1.2.5 Provision and testing of samples of materials and goods and/or finishes or assemblies of elements of the works 1.2.6 Opening up of work for inspection, removal or re-execution 1.2.7 Removal or re-execution of work 1.2.8 Removal or substitution of any materials and goods 1.2.9 Protection of the works 1.2.10 Making good physical loss and repairing damage to the works [17.2.2] 1.2.11 Rectification of defects [16.4; 16.8] 1.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion and a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion 1.2.13 Expenditure of employer allowances and/or prime cost amounts		

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ITEM NO	DESCRIPTION	QTY	AMOUNT
	1.2.14 Work by direct contractors [13.0] 1.2.15 On suspension or termination, protection of the works , removal of construction equipment and surplus materials and goods [21.6.1] F:..... V:..... T:.....	Item	
6	Clause 6.0 - Principal agent F:..... V:..... T:.....	Item	
7	Clause 7.0 - Design responsibility F:..... V:..... T:.....	Item	
	<u>Insurances and securities (A8-A9)</u>		
8	Clause 8.0 - Risks, indemnities and insurances F:..... V:..... T:.....	Item	
9	Clause 9.0 - Securities Guarantee for payment The employer shall provide to the contractor a guarantee for payment in the amount ofRand (R.....) The contractor shall consequently waive his lien or right of continuing possession of the works [9.2] Extension of waiver of lien The contractor shall ensure that a waiver of lien or right of continuing possession of the works is included in all subcontracts and that the works executed on the site are kept free of all liens and other encumbrances at all times [9.2] F:..... V:..... T:.....	Item	
	<u>Execution (A10 - A14)</u>		
10	Clause 10.0 - Obligations of the employer F:..... V:..... T:.....	Item	
11	Clause 11.0 - Obligations of the contractor F:..... V:..... T:.....	Item	
	Office accommodation The contractor shall provide, maintain and remove on practical completion air conditioned office accommodation with suitable tables and chairs for meetings to be held on the site . Such offices shall be kept clean and fit for use at all times [11.2.5]		

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ITEM NO	DESCRIPTION	QTY	AMOUNT
	Statutory and other notices The contractor shall submit and/or comply with all statutory and other notices that may be required by any local or other authority in order not to cause any delay to the commencement of the works by the contractor. The contractor shall pay all deposits or fees in this regard It is, however, specifically recorded that the employer shall be responsible for the timeous approval of building plans by any local or other authorities and the payment of any fees or charges related thereto F:..... V:..... T:.....	Item	
12	Clause 12.0 - Setting out F:..... V:..... T:.....	Item	
13	Clause 13.0 - Direct contractors Attendance on direct contractors In respect of direct contractors the contractor shall: 1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials 2. Allow the use of personnel welfare facilities, where provided 3. Provide water, lighting and single phase electric power to a position within 50m of the place where the direct contract work is to be carried out, other than fuel or power for commissioning of any installation 4. Permit the direct contractor to use erected scaffolding, hoisting facilities, etc provided by the contractor, in common with others having the like right, while it remains erected on the site [13.1] F:..... V:..... T:.....	Item	
14	Clause 14.0 - Contract instructions Site instructions Instructions issued on site are to be recorded in a site instruction book which is to be supplied and maintained on site by the contractor F:..... V:..... T:.....	Item	
	<u>Completion (A15 - A18)</u>		
15	Clause 15.0 - Practical completion F:..... V:..... T:.....	Item	

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ITEM NO	DESCRIPTION	QTY	AMOUNT
16	Clause 16.0 - Defects liability period and final completion F:..... V:..... T:.....	Item	
17	Clause 17.0 - Revision of the date for practical completion Substitution of materials and goods The removal or substitution of any materials and goods which do not conform to the specification or the contract drawings shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value [14.1.8; 17.1 & 2] F:..... V:..... T:.....	Item	
18	Clause 18.0 - Penalty for late or non-completion F:..... V:..... T:..... <u>Payment (A19 - A20)</u>	Item	
19	Clause 19.0 - Payment Prices submitted Where prices are submitted by the contractor or subcontractor during the progress of the works in respect of contract instructions or in regard to a claim under the terms of this agreement and notwithstanding the fact that such prices may be used in an interim payment certificate, there is to be no presumption of acceptance. Should the principal agent wish to accept any such prices prior to the issue of the certificate of final completion, it shall be in writing F:..... V:..... T:.....	Item	
20	Clause 20.0 - Adjustment of the contract value and final account Cost of claims All costs incurred by the contractor in the preparation of claims shall be borne by the contractor. This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this agreement [22.5 & 6] from making a determination on costs F:..... V:..... T:..... <u>Suspension or termination (A21)</u>	Item	
21	Clause 21.0 - Suspension or termination F:..... V:..... T:..... <u>Dispute resolution (A22)</u>	Item	
22	Clause 22.0 - Dispute resolution F:..... V:..... T:.....	Item	

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ITEM NO	DESCRIPTION	QTY	AMOUNT
23	<u>Agreement</u> The required information of the parties and the amount of the contract sum shall be inserted in the agreement for signature of the agreement by the parties F:..... V:..... T:.....	Item	
24	<u>Contract data</u> Tenderer's selections Before submission of his tender the contractor is to complete the tenderer's selections in the contract data F:..... V:..... T:..... <u>SECTION B: GENERAL PRELIMINARIES</u> <u>Definitions and interpretation (B1)</u>	Item	
25	Clause 1.1 - Definitions F:..... V:..... T:.....	Item	
26	Clause 1.2 - Interpretation F:..... V:..... T:..... <u>Documents (B2)</u>	Item	
27	Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item	
28	Clause 2.2 - Provisional bills of quantities F:..... V:..... T:.....	Item	
29	Clause 2.3 - Availability of construction information F:..... V:..... T:.....	Item	
30	Clause 2.4 - Ordering of materials and goods F:..... V:..... T:..... <u>Previous work and adjoining properties (B3)</u>	Item	
31	Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item	
32	Clause 3.2 - Previous work - defects F:..... V:..... T:.....	Item	

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ITEM NO	DESCRIPTION	QTY	AMOUNT
33	Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:..... <u>The site (B4)</u>	Item	
34	Clause 4.1 - Handover of site in stages F:..... V:..... T:.....	Item	
35	Clause 4.2 - Enclosure of the works F:..... V:..... T:.....	Item	
36	Clause 4.3 - Geotechnical and other investigations F:..... V:..... T:.....	Item	
37	Clause 4.4 - Encroachments F:..... V:..... T:.....	Item	
38	Clause 4.5 - Existing premises occupied F:..... V:..... T:.....	Item	
39	Clause 4.6 - Services - known F:..... V:..... T:..... <u>Management of contract (B5)</u>	Item	
40	Clause 5.1 - Management of the works F:..... V:..... T:.....	Item	
41	Clause 5.2 - Progress meetings F:..... V:..... T:.....	Item	
42	Clause 5.3 - Technical meetings F:..... V:..... T:..... <u>Samples, shop drawings and manufacturer's instructions (B6)</u>	Item	
43	Clause 6.1 - Samples of materials F:..... V:..... T:.....	Item	
44	Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item	
45	Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item	

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ITEM NO	DESCRIPTION	QTY	AMOUNT
46	Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:..... <u>Deposits and fees (B7)</u>	Item	
47	Clause 7.1 - Deposits and fees F:..... V:..... T:..... <u>Temporary services (B8)</u>	Item	
48	Clause 8.1 - Water F:..... V:..... T:.....	Item	
49	Clause 8.2 - Electricity F:..... V:..... T:.....	Item	
50	Clause 8.3 - Ablution and welfare facilities F:..... V:..... T:.....	Item	
51	Clause 8.4 - Communication facilities F:..... V:..... T:..... <u>Prime cost amounts (B9)</u>	Item	
52	Clause 9.1 - Responsibility for prime cost amounts Not Applicable. <u>Attendance on subcontractors (B10)</u>		
53	Clause 10.1 - General attendance	N/A	
54	Clause 10.2 - Special attendance <u>General (B11)</u>	N/A	
55	Clause 11.1 - Protection of the works F:..... V:..... T:.....	Item	
56	Clause 11.2 - Protection/isolation of existing works and works occupied in sections F:..... V:..... T:.....	Item	
57	Clause 11.3 - Security of the works F:..... V:..... T:.....	Item	
58	Clause 11.4 - Notice before covering work F:..... V:..... T:.....	Item	

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ITEM NO	DESCRIPTION	QTY	AMOUNT
59	Clause 11.5 - Disturbance Disturbance All work is to be carried out in such a manner as to cause no unacceptable or unreasonable dust, noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic in so far as they exceed the permissible limitations set by government legislation or by the local authority. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the construction period or contract value whatsoever F:..... V:..... T:.....	Item	
60	Clause 11.6 - Environmental disturbance Controlling all forms of pollution The contractor shall be responsible for and take all precautions in controlling by whatever means necessary all forms of pollution emanating from the site during the construction period due inter alia to noise, artificial light, wind-blown sand, dust, deposits of mud, etc The contractor is to ensure that all roads which border the site and are used by the contractor during the execution of the works are kept clean and free of any dirt or debris caused by the execution of the works Environmental management plan Not Applicable.		
61	Clause 11.7 - Works cleaning and clearing F:..... V:..... T:.....	Item	
62	Clause 11.8 - Vermin F:..... V:..... T:.....	Item	
63	Clause 11.9 - Overhand work F:..... V:..... T:.....	Item	
64	Clause 11.10 - Tenant installations F:..... V:..... T:.....	Item	
65	Clause 11.11 - Advertising F:..... V:..... T:.....	Item	

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ITEM NO	DESCRIPTION	QTY	AMOUNT
	<u>SECTION C: SPECIFIC PRELIMINARIES</u>		
	Not Applicable.		
66	Warranties for materials and workmanship Where warranties for materials and/or workmanship are called for, the contractor shall obtain a written warranty, addressed to the employer, from the entity supplying the materials and/or executing the work and shall deliver same to the principal agent on final completion of the contract The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of practical completion and that any defects that may arise during the specified period shall be made good at the expense of the entity supplying the materials and/or doing the work, upon written notice to do so The warranty will not be enforced if the work is damaged by defects in the execution of the works, in which case the responsibility for replacement shall rest entirely with the contractor F:..... V:..... T:.....	Item	
67	Overtime Should overtime be required to be worked for any reason whatsoever, the cost of such overtime is to be borne by the contractor unless the principal agent has specifically authorised, prior to execution thereof, that costs for such overtime are to be borne by the employer F:..... V:..... T:.....	Item	
68	Cooperation of the contractor for cost management It is specifically agreed that the contractor accepts the obligation of assisting the principal agent in implementing proper cost management. The contractor will be advised by the principal agent of all cost management procedures which will be implemented to ensure that the contract value does not exceed the budget F:..... V:..... T:.....	Item	
69	Overloading The contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works eg scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc to the principal agent for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the contractor at his sole expense F:..... V:..... T:.....	Item	

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ITEM NO	DESCRIPTION	QTY	AMOUNT
70	Propping of floors below The contractor is advised that propping of floors below may be required if he wishes to use any areas of completed suspended reinforced concrete slabs for vehicle access, storage of materials and goods and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the principal agent and the cost thereof shall be borne by the contractor F:..... V:..... T:.....	Item	
71	Testing of flat roof waterproofing for watertightness Flat roof waterproof areas shall be flooded and kept "ponded" for at least forty eight (48) hours as a test to ensure the watertightness of the waterproofing and before any further construction work is carried out above the waterproofing F:..... V:..... T:.....	Item	
72	Health and safety Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is specifically stated that the employer shall prepare a documented health and safety specification for the works 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 reasonable provisions of the aforementioned health and safety specification [2.1] Health and safety Without limiting the generality of the provisions of clause 2.0, the contractor's attention is drawn to the provisions of the Construction Regulations issued in terms of the Occupational Health and Safety Act, 1993 as amended. It is specifically stated that the employer shall prepare a documented health and safety specification for the works (refer to Annexure ? for a copy of the relevant specification) 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 [2.1] The contractor shall: 1. Comply with the health and safety specification for the works 2. Prepare and agree with the health and safety consultant the health and safety plan for the works 3. Cooperate with the health and safety consultant in all respects		

SCHEDULE NO 1: PRELIMINARY AND GENERAL

ITEM NO	DESCRIPTION	QTY	AMOUNT
	4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification 5. Conform to the conditions contained in the employer's health and safety specification F:..... V:..... T:.....	Item	
73	Green star building certification Not Applicable.		
74	Broad based black economic empowerment (BBBEE) Tenders submitted will be evaluated taking into account their empowerment rating The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works The contractor is to submit to the principal agent on an annual basis a schedule of spend, split into vendors engaged as subcontractors and suppliers indicating their BBBEE rating including proof of the said rating F:..... V:..... T:.....	Item	
75	Advertising rights The employer may elect to contract with advertising agencies for the erection of advertising hoardings, banners, wraps or the like for the duration of the contract. The contractor shall not prevent such an arrangement and will assist in the facilitation of same. The position and type of advertising structure to be agreed with the principal agent so as not to hinder the contractor in meeting his obligations under this agreement F:..... V:..... T:.....	Item	
76	Confidentiality The contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings from all subcontractors and suppliers. Such information shall not be used in any way except in connection with the execution of the works No information regarding this project shall be published or disclosed without the prior written consent of the employer F:..... V:..... T:.....	Item	
77	Media releases All rights of publication of articles in the media, together with any advertising relating thereto or in any way connected with this project, shall vest with the employer		

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ITEM NO	DESCRIPTION	QTY	AMOUNT
	The contractor together with his subcontractors shall not, without the prior written consent of the employer, cause any statement or advertisement connected with this project to be printed, screened or aired by the media F:..... V:.....T:..... <u>SUMMARY OF CATEGORIES</u> Category : Fixed R..... Category : Value R..... Category : Time R..... Carried to final summary	Item R	

SCHEDULE NO 2: STRUCTURAL AND BUILDING RELATED REPAIR WORK

PAYMENT REFERS TO	ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	200.00	<u>STRUCTURAL AND BUILDING RELATED REPAIR WORK</u>				
	201.00	<u>CONCRETE CEILING REPAIRS</u>				
		.01 Hacking up/off and removing cretestone skimmed layer from concrete roof and and preparing surfaces for new waterproofing and cretestone screed finish to Concrete roof.	m ²	40		
		.02 Apply two coats "SIKA CemFlex" or similar approved flexible hydraulic micro-mortar waterproofing and bonding agent, applied in accordance with the manufacturers instruction to Concrete roof.	m ²	40		
		.03 Gypsum skim plaster finishing coat on concrete roof. Wood floated before the bonded granolithic concrete roof remains undisturbed until bleeding has ceased and the surface has stiffened. Any remaining bleed water and laitance shall then be removed and the surface steel trowelled on Concrete roof.	m ²	40		
		.04 Apply one coat superior quality Plaster primer	m ²	40		
		.05 Apply two coats superior quality acrylic emulsion LOW SHEEN paint for interior and exterior use to gypsum skimmed concrete ceiling. Colour Code - White.	m ²	40		
	202.00	<u>STAGE TIMBER FLOOR</u>				
		.01 Sand down Tongued and grooved flooring boards with manual light duty dustless sanding machine, prepare for coating.	m ²	35		
		.02 Apply one coat "Midas exterior varnish" coating clear thinned 4:1 with turpentine and two coats "Midas exterior varnish coating clear on Tongued and grooved flooring boards.	m ²	35		
	203.00	<u>PLASTERBOARD CEILINGS</u>				
		.01 Remove blistered or peeling paint completely. Apply two coats superior quality acrylic emulsion LOW SHEEN paint for interior and exterior use to gypsum skimmed concrete roof, Colour Code - White to Plasterboard ceilings.	m ²	582		
	Carried forward					

SCHEDULE NO 2: STRUCTURAL AND BUILDING RELATED REPAIR WORK

PAYMENT REFERS TO	ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
		Brought forward				
	204.00	<u>TIMBER DOORS AND DOOR FRAMES</u> .01 Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth before applying two coats superior quality universal enamel paint on: .01 Doors .02 Door Frames	m ² m ²	80 30		
	205.00	<u>TIMBER SKIRTING</u> Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth before applying two coats superior quality universal enamel paint on: .01 Timber skirting	m	170		
	206.00	<u>INTERNAL FLOATED PLASTER SURFACES</u> .01 Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed. .01 Remove peeling and delaminated paint and spot prime with plaster primer. When cured apply two coats low odour premium quality highly washable and tain resistant Low Sheen acrylic emulsion paint on Walls. .02 Neatly cut into and remove plaster for a width of approximately 200mm on either side of wall crack, rake out crack and remove all surface contamination and dust, lightly scabble smooth surfaces, ensure area is dry and apply an approved flowable epoxy grout into crack, allow to cure and apply approved plaster bonding liquid with reinforcing mesh extending 100mm beyond the crack in all directions and finish neatly in 1:4 cement plaster flush with the surrounding wall electer .01 Wall cracks	m ² m	350 16		
		Carried forward				

SCHEDULE NO 2: STRUCTURAL AND BUILDING RELATED REPAIR WORK

PAYMENT REFERS TO	ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
		Brought forward				
	207.00	<u>PROFILED METAL ROOF REPAIRS</u>				
		.01 Removal of roof sheeting including stacking and store for re-use. Inspection for defective clips and supply and install concealed fix Roof Sheet Clip galvanised bracket (Klip-Lok) to timber or steel brander before reinstalling sheeting and making good.				
		.01 Roof sheet removal and stack/store for reinstallation	m ²	24		
		.02 Supply and Install Brackets	m ²	12		
		.03 Roof sheet reinstallation	m ²	24		
		.04 Base coat with membrane and three coats "Duram Flexikote" or similar approved waterproof membrane in accordance with the manufacturers instruction on profiled steel sheeted roofs in 200mm x 200mm patches.	m ²	12		
		.05 Water-jetting existing roof surfaces, gutter, downpipes etc with high pressure low-volume water jetting lance to remove all dirt, brush down and wash to remove surface contamination, brush down areas of mould, fungus and damp and treat with two coats of anti fungal wash and leave perfectly clean on completion.	m ²	60		
	207.00	<u>RAINWATER GOODS</u>				
		.01 Removal of existing steel box gutters	m	16		
		.02 Supply and install of 2mm galvanised metal box box 300mm wide x 150mm deep including brackets at 1m centres, mounted onto existing	m	24		
		.03 Supply and install of 2mm galvanised metal box box gutter 300mm wide x 150mm deep stop end	No.	2		
		.04 Supply and install of 2mm galvanised metal box box gutter 300mm wide x 150mm to 100mm x 100mm square down pipe transition piece	No.	1		
		.05 Supply and install of 2mm galvanised 100mm x 100mm square down pipe including brackets at 1m centres, mounted onto existing building	m	8		
		Carried forward				

SCHEDULE NO 2: STRUCTURAL AND BUILDING RELATED REPAIR WORK

PAYMENT REFERS TO	ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	Brought forward					
		.06 Supply and install of 2mm galvanised metal box downpipe shoe	No.	1		
		.07 Supply and install of 'Marley Vynadeep' or similar uPVC gutter 146mm wide x 146mm high including brackets for mounting	m	60		
		.08 Supply and install of 'Marley Vynadeep' or similar uPVC gutter outlet	No.	2		
		.09 Supply and install of 'Marley Vynadeep' or similar uPVC gutter Stop end	No.	2		
		.10 Supply and install of 'Marley Vynadeep' or similar uPVC gutter 146mm wide x 146mm high joining clips	No.	10		
		.11 Supply and install of 'Marley Vynadeep' or similar round plain uPVC 93mm diameter downpipe	No.	1		
		.12 Supply and install of 'Marley Vynadeep' or similar round plain uPVC 93mm diameter downpipe shoe	No.	1		
		.13 Secure loose flashing and cappings with aluminium rivets	m ²	12		
	208.00	<u>ACCESS</u>				
		.01 Allow for scaffolding, ladders, access systems etc	Sum	1		
	TOTAL SCHEDULE NO 2: CARRIED TO SUMMARY					

SCHEDULE NO 3: MECHANICAL RELATED REPAIR WORK

PAYMENT REFERS TO	ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	300.00	<u>FIRE PROTECTION</u> <u>ACTIVE FIRE-FIGHTING EQUIPMENT</u>				
	301.00	<u>FIRE PROTECTION SIGNAGE</u> <u>REMOVAL</u>				
		.01 Removal of existing signage	No.	25		
	301.00	<u>PHOTO LUMINESCENT SIGNAGE</u> <u>SUPPLY & INSTALL</u> <u>(190mm x 190mm aluminium frame type)</u>				
		.01 Arrow, extinguisher - F13	No.	6		
		.02 Running man, Arrow sign - E1	No.	2		
		.03 Running man, Arrow sign - E2	No.	2		
		.04 Running man, Arrow sign - E3	No.	3		
		.05 Running man, Arrow sign - E6 (STANDARD - Not Illuminated)	No.	12		
		.06 Arrow, extinguisher, hose reel, Hydrant - F1	No.	1		
		.07 Arrow, extinguisher, hose reel, Hydrant - F5	No.	1		
		.08 Arrow, extinguisher, hose reel, Hydrant - F6	No.	1		
		.09 Fire Exit Keep Clear - F46	No.	5		
	302.00	<u>EMERGENCY EXIT HANDLES</u> <u>PUSH BAR TYPE WITH VERTICAL BOLTS</u> <u>SUPPLY & INSTALL</u>				
		.01 Union "Assa Abloy" 883T-W or similar Push bar for single fire and emergency doors, three point locking (Top, bottom, lateral) max width 1230mm with cut allowance to fit, suitable for rebated double doors, allowance for door widths 120-240mm Body material Brass, Iron and Stainless steel, Certified to BS EN 1125, Silver finish.				
		.01 Single doors	No.	2		
		.02 Double doors	No.	3		
	Carried forward					

SCHEDULE NO 3: MECHANICAL RELATED REPAIR WORK

PAYMENT REFERS TO	ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	Brought forward					
	303.00	<u>FIRE DOORS</u> <u>MERANTI FIRE RATED DOORS</u> <u>DOOR MODIFICATION</u> .01 Removal of timber firedoor and relocate to swing in opposite direction. Remove door and hinges, re-install existing door and hinges. .01 Timber Fire Double door (2x single doors) .02 Refitment in new position .03 Supply and Install new Hinges				
			No.	2		
			No.	2		
			No.	4		
	TOTAL SCHEDULE NO 3: CARRIED TO SUMMARY:					

SCHEDULE NO 4: ELECTRICAL RELATED REPAIR WORK

PAYMENT REFERS TO	ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	400.00	<u>ELECTRICAL RELATED REPAIR WORK</u> Scope of Work Replace the circuit breaker for the outdoor kiosk. Replace the indoor circuit breakers serving lighting circuits. Connect all power outlets (plugs) to earth leakage protection. Inspect and service all speakers and video input/output connections. Test and service all power points; replace any defective units. Service the Interlibus system to ensure full functionality. Reconnect all previously bypassed lights to a potentiometer for dimming control. Issue a Certificate of Compliance (CoC) for all newly completed electrical work.				
	401.00	<u>DISTRIBUTION BOARDS</u>				
	401.01	Supply and installation of circuit breakers (SABS approved):				
		.01 10A, 10kA single pole	No.	2		
		.02 20A, 10kA single pole	No.	2		
		.03 30A, 10kA single pole	No.	2		
		.04 225A, 18KA triple pole (Fuchs or similar)	No.	2		
	401.02	Supply and install earth leakage units (SABS approved):				
		.01 60A, 10kA double pole	No.	2		
	402.00	<u>WIRING</u>				
	402.01	Supply and Install Wiring:				
		.01 2,5 mm ² PVC insulated	m	80		
		.09 2.5 mm ² 3 core surfix cable	m	25		
	Carried forward					

SCHEDULE NO 4: ELECTRICAL RELATED REPAIR WORK

PAYMENT REFERS TO	ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	Brought forward					
	403.00	<u>LIGHTING</u>				
	403.01	Supply and Install:				
		.01 9W LED Downlight 4000K Warm White, Dimmable similar to existing.	No.	60		
		.02 8 Channel LED Dimmer, Dali based lighting system	No.	3		
		.03 Potentiometer PWM Dimmer DC 12-24V 8A,	No.	3		
		.04 Surface mouting Track lights	No.	6		
	403.02	Replace light switch:				
		.01 16A, two lever, one way	No.	2		
	403.03	Supply and install Floor Box, stainless Steel cover, and housing				
		.01 Floor Box	No.	2		
	404.00	<u>POWER OUTLETS</u>				
	404.01	Service socket outlet:				
		.01 16A, single SSO	No.	9		
		.02 16A, single SSO Dedicated	No.	3		
		.03 16A, double SSO	No.	9		
	404.02	Replace socket outlet:				
		.01 16A, single SSO	No.	3		
		.02 16A, single SSO Dedicated	No.	2		
		.03 16A, double SSO	No.	3		
	404.03	Service isolator:				
		.01 60 A, 3 pole	No.	3		
	Carried forward					

SCHEDULE NO 4: ELECTRICAL RELATED REPAIR WORK

PAYMENT REFERS TO	ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	Brought forward					
	404.04	Replace isolators:				
		.01 30A, 3 pole	No.	1		
	404.05	Service sound electronics				
		.01 VGA Station, PC audio, Video Coax, Mic input	No.	2		
		.02 Stage RGB lights Service	No.	5		
		.03 Output Speakers 1500-5000W	No.	4		
	404.06	Provide Certificate of Compliance for the Installation as required on instruction from the Engineer	No.	1		
	TOTAL SCHEDULE NO 4: CARRIED TO SUMMARY:					

SOUTH AFRICAN NATIONAL BIODIVERSITY INSTITUTE (SANBI)

THE SOUTH AFRICAN NATIONAL BIODIVERSITY INSTITUTE (SANBI) REQUIRES A SERVICE PROVIDER FOR THE REFURBISHMENTS OF THE OLD MUTUAL CONFERENCE CENTRE AT THE KIRSTENBOSCH NATIONAL BOTANICAL GARDEN IN CAPE TOWN.

<u>SUMMARY OF SCHEDULE OF QUANTITIES: REPAIR WORK</u>		<u>ESTIMATE</u>
SCHEDULE NO 1:	PRELIMINARY AND GENERAL	R
SCHEDULE NO 2:	STRUCTURAL AND BUILDING RELATED REPAIR WORK	R
SCHEDULE NO 3:	MECHANICAL RELATED REPAIR WORK	R
SCHEDULE NO 4:	ELECTRICAL RELATED REPAIR WORK	R
CONTINGENCY		R 45 000.00
TOTAL OF SCHEDULE OF QUANTITIES - REPAIR WORK		R
CARRIED TO CALCULATION OF TENDER SUM		

SIGNED ON BEHALF OF TENDERER:

Tender Sum

SOUTH AFRICAN NATIONAL BIODIVERSITY INSTITUTE (SANBI)

THE SOUTH AFRICAN NATIONAL BIODIVERSITY INSTITUTE (SANBI) REQUIRES A SERVICE PROVIDER FOR THE REFURBISHMENTS OF THE OLD MUTUAL CONFERENCE CENTRE AT THE KIRSTENBOSCH NATIONAL BOTANICAL GARDEN IN CAPE TOWN.

CALCULATION OF TENDER SUM

ESTIMATE

TOTAL OF SCHEDULE OF QUANTITIES - REPAIR WORK

R

SUBTOTAL

R

VALUE-ADDED TAX (VAT)

The tenderer shall add 15% of the subtotal for value-added tax

R

TENDER SUM CARRIED TO FORM OF TENDER

R

SIGNED ON BEHALF OF TENDERER: