



REPUBLIC OF SOUTH AFRICA

CSIR

BILLS OF QUANTITIES  
REVISION #01

RENOVATIONS ON VARIOUS CSIR BUILDINGS

CSIR  
MEIRING NAUDE ROAD  
BRUMMERIA  
PRETORIA  
0184  
OR  
P.O BOX 395  
PRETORIA  
0001

QUANTITY SURVEYORS  
QSOURCE QUANTITY SURVEYORS  
33 OAKMONT STREET  
SILVER LAKES  
PRETORIA  
0081  
OR  
P.O BOX 11680  
SILVER LAKES  
0051

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 1</u></b></p> <p><b><u>PRELIMINARIES (PROVISIONAL)</u></b></p> <p><b>Note:</b> Tenderers are advised to study the Model Preambles for Trades before pricing the Bill.</p> <p><b>Note:</b> Unless otherwise stated herein, all items in the Bill shall be deemed to be a fixed price for the duration of this project</p> <p><b><u>BUILDING AGREEMENT AND PRELIMINARIES</u></b></p> <p>The <b>JBCC</b> Principal Building Agreement (Edition 6.2 - May 2018) prepared by the Joint Building Contracts Committee shall be the applicable building agreement, amended as hereinafter described</p> <p>The <b>JBCC</b> Principal Building Agreement <b>contract data</b> form an integral part of this <b>agreement</b></p> <p>The <b>JBCC</b> General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the <b>JBCC</b> Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these <b>bills of quantities</b>, amended as hereinafter described</p> <p>The <b>contractor</b> is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause</p> <p>The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only</p> <p>Where any item is not relevant to this <b>agreement</b> such item is marked N/A signifying "not applicable"</p>			
	<b>Carried Forward</b>		R	
	Section 1 Bill No. 1 PRELIMINARIES			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<p style="text-align: center;"><b>Brought Forward</b></p> <p>Where standard clauses or alternatives are not entirely applicable to this <b>agreement</b> 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</p> <p><b><u>PREAMBLES FOR TRADES</u></b></p> <p>The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors shall be deemed to be incorporated in these <b>bills of quantities</b> and no claims arising from brevity of description of items fully described in the said General Preambles will be entertained</p> <p>Supplementary preambles and / or specifications are incorporated in these <b>bills of quantities</b> to satisfy the requirements of this project. Such supplementary preambles and / or specifications shall take precedence over the provisions of the General Preambles</p> <p>The <b>contractor's</b> prices for all items throughout these <b>bills of quantities</b> 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</p> <p><b><u>STRUCTURE OF THIS PRELIMINARIES BILL</u></b></p> <p>Section A : A recital of the headings of the individual clauses in the aforementioned <b>JBCC</b> Principal Building Agreement</p> <p>Section B : A recital of the headings of the individual clauses in the aforementioned <b>JBCC</b> General Preliminaries</p> <p>Section C : Any special clauses to meet the particular circumstances of the project</p>		R	
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section 1          Bill No. 1          PRELIMINARIES</p>		R	

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

	<p style="text-align: right;"><b>Brought Forward</b></p> <p><b><u>PRICING OF PRELIMINARIES</u></b></p> <p>Should the <b>contractor</b> select Option A in the <b>contract data</b> for the adjustment of <b>preliminaries</b>, the amounts entered against the relevant items in these <b>preliminaries</b> are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T)</p> <p><b><u>SECTION A: PRINCIPAL BUILDING AGREEMENT</u></b></p> <p><b><u>Interpretation (A1-A7)</u></b></p> <p>1/1/1 Clause 1.0 - Definitions and interpretation</p> <p><b>Pricing of bills of quantities</b></p> <p>The <b>contractor</b> 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 <b>agreement</b>. Value Added Tax (VAT) is to be separately stated on the summary page of these <b>bills of quantities</b></p> <p>Items left unpriced will be deemed to be covered in prices against other items throughout these <b>bills of quantities</b> and no claim for any extras arising out of the <b>contractor's</b> omission to price any item will be entertained</p> <p>Prices for all <b>construction equipment</b>, temporary works, services and other items shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary</p> <p style="text-align: right;"><b>Carried Forward</b></p> <p>Section 1  Bill No. 1  PRELIMINARIES</p>		<p style="text-align: center;">R</p>	
			<p style="text-align: center;">R</p>	

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<p style="text-align: center;"><b>Brought Forward</b></p> <p><b>Abbreviated descriptions</b></p> <p>The items in these <b>bills of quantities</b> 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 <b>contractor</b> shall, before submission of his tender, call for a written directive from the <b>principal agent</b>, failing which it shall be assumed that the <b>contractor</b> has allowed in his pricing for materials and workmanship in terms of international best practice</p> <p><b>Legal status of contractor</b></p> <p>If the <b>contractor</b> constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:</p> <ol style="list-style-type: none"> <li>1. These persons are deemed to be jointly and severally liable to the <b>employer</b> for the performance of this <b>agreement</b></li> <li>2. These persons shall notify the <b>employer</b> of their leader who has assigned authority to bind the <b>contractor</b> and each of these persons</li> <li>3. The <b>contractor</b> shall not alter its composition or legal status without the prior written consent of the <b>employer</b></li> </ol> <p>F:..... V:..... T:.....</p>		R	
<p>1/1/2 Clause 3.0 - Offer and acceptance</p> <p>F:..... V:..... T:.....</p>	Item		
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section 1  Bill No. 1  PRELIMINARIES</p>		R	

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
1/1/3	Clause 4.0 - Cession and assignment  F:..... V:..... T:.....	Item	
1/1/4	Clause 5.0 - Documents  <b>Value Added Tax</b>  Provision is made in the summary page of these <b>bills of quantities</b> for the inclusion of Value Added Tax (VAT)  <b>Priced document as specification</b>  Clause 5.4 is deemed to be deleted  The <b>principal agent</b> shall decide which portion of the <b>priced document</b> may be used as a specification of <b>materials and goods</b> or methods, if any  <b>Electronic issue of drawings</b>  All drawings for this project will be issued electronically and the <b>contractor</b> shall be deemed to have received such drawings on the date that such drawings have been dispatched electronically [5.6]  F:..... V:..... T:.....	Item	
1/1/5	Clause 7.0 - Design responsibility  F:..... V:..... T:.....	Item	
1/1/6	Clause 8.0 - <b>Works</b> risk  F:..... V:..... T:.....	Item	
<b>Carried Forward</b>			R
Section 1 Bill No. 1 PRELIMINARIES			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
1/1/7	Clause 9.0 - Indemnities  F:..... V:..... T:.....	Item	
1/1/8	Clause 10.0 - Insurances  F:..... V:..... T:.....	Item	
<b><u>Execution (A12 - A17)</u></b>			
1/1/9	Clause 12.0 - Obligations of the <b>parties</b>  <b>Statutory and other notices</b>  The <b>contractor</b> 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 <b>works</b> by the <b>contractor</b> . The <b>contractor</b> shall pay all deposits or fees in this regard  It is, however, specifically recorded that the <b>employer</b> 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	
1/1/10	Clause 13.0 - Setting out  F:..... V:..... T:.....	Item	
1/1/11	Clause 14.0 - Nominated <b>subcontractors</b>  F:..... V:..... T:.....	Item	
1/1/12	Clause 15.0 - Selected <b>subcontractors</b>		
<b>Carried Forward</b>			R
Section 1 Bill No. 1 PRELIMINARIES			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

	<b>Brought Forward</b>		R
1/1/13	<p>F:..... V:.....  T:.....</p> <p><b>Clause 16.0 - Direct contractors</b></p> <p><b>Attendance on direct contractors</b></p> <p>In respect of <b>direct contractors</b> the <b>contractor</b> shall:</p> <ol style="list-style-type: none"> <li>1. Designate an area for the <b>direct contractor</b> to establish a temporary office and workshop and storage of equipment and materials</li> <li>2. Allow the use of personnel welfare facilities, where provided</li> <li>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</li> <li>4. Permit the <b>direct contractor</b> to use erected scaffolding, hoisting facilities, etc provided by the <b>contractor</b>, in common with others having the like right, while it remains erected on the <b>site</b> [16.1]</li> </ol> <p>F:..... V:.....  T:.....</p>	Item	
1/1/14	<p><b>Clause 17.0 - Contract instructions</b></p> <p><b>Site instructions</b></p> <p>Instructions issued on <b>site</b> are to be recorded in a site instruction book which is to be supplied and maintained on <b>site</b> by the <b>contractor</b></p> <p>F:..... V:.....  T:.....</p>	Item	
1/1/15	<p><b><u>Completion (A18 - A24)</u></b></p> <p><b>Clause 18.0 - Interim completion</b></p>	N/A	
	<b>Carried Forward</b>		R
	<p>Section 1  Bill No. 1  PRELIMINARIES</p>		



**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
1/1/16	<p>Clause 19.0 - <b>Practical completion</b></p> <p>F:..... V:.....  T:.....</p>	Item	
1/1/17	<p>Clause 20.0 - Completion in <b>sections</b></p> <p>F:..... V:.....  T:.....</p>	Item	
1/1/18	<p>Clause 21.0 - <b>Defects</b> liability period and <b>final completion</b></p> <p>F:..... V:.....  T:.....</p>	Item	
1/1/19	<p>Clause 22.0 - <b>Latent defects</b> liability period</p> <p>F:..... V:.....  T:.....</p>	Item	
1/1/20	<p>Clause 23.0 - Revision of the date for <b>practical completion</b></p> <p><b>Substitution of materials and goods</b></p> <p>The removal or substitution of any <b>materials and goods</b> which do not conform to the specification or the <b>contract drawings</b> shall not constitute grounds for the extension of the <b>construction period</b> nor for the adjustment of the <b>contract value</b> [17.1.8; 23.1 &amp; 2]</p> <p>F:..... V:.....  T:.....</p>	Item	
1/1/21	<p>Clause 24.0 - <b>Penalty</b> for late or non-completion</p> <p>F:..... V:.....  T:.....</p>	Item	
1/1/22	<p><b><u>Payment (A25 - A27)</u></b></p> <p>Clause 25.0 - Payment</p>		
<b>Carried Forward</b>			R
<p>Section 1  Bill No. 1  PRELIMINARIES</p>			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

	<b>Brought Forward</b>		R
	<p><b>Prices submitted</b></p> <p>Where prices are submitted by the <b>contractor</b> or <b>subcontractor</b> during the progress of the <b>works</b> in respect of <b>contract instructions</b> or in regard to a claim under the terms of this <b>agreement</b> and notwithstanding the fact that such prices may be used in an interim <b>payment certificate</b>, there is to be no presumption of acceptance. Should the <b>principal agent</b> wish to accept any such prices prior to the issue of the <b>certificate of final completion</b>, it shall be in writing</p> <p>F:..... V:.....  T:.....</p>	Item	
1/1/23	<p>Clause 26.0 - Adjustment of the <b>contract value</b> and <b>final account</b></p> <p><b>Cost of claims</b></p> <p>All costs incurred by the <b>contractor</b> in the preparation of claims shall be borne by the <b>contractor</b>. This provision shall not preclude an adjudicator or an arbitrator appointed in terms of this <b>agreement</b> [30.6 &amp; 7] from making a determination on costs</p> <p><b>Claims from subcontractors</b></p> <p>The <b>contractor</b> shall review, assess and adjudicate any claims received by him from any <b>subcontractor</b> and thereafter submit same to the <b>principal agent</b> with a recommendation in order to assist the <b>principal agent</b> in adjudicating the claim [26.6]</p> <p>F:..... V:.....  T:.....</p>	Item	
1/1/24	<p>Clause 27.0 - Recovery of expense and/or loss</p> <p>F:..... V:.....  T:.....</p>	Item	
	<b>Carried Forward</b>		R
	<p>Section 1  Bill No. 1  PRELIMINARIES</p>		

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			<b>R</b>
	<b><u>Suspension and termination (A28 - A29)</u></b>		
1/1/25	Clause 28.0 - Suspension by the <b>contractor</b>  F:..... V:..... T:.....	Item	
1/1/26	Clause 29.0 - Termination  F:..... V:..... T:.....	Item	
	<b><u>Dispute resolution (A30)</u></b>		
1/1/27	Clause 30.0 - Dispute resolution  F:..... V:..... T:.....	Item	
1/1/28	<b><u>Agreement</u></b>  The required information of the <b>parties</b> and the amount of the <b>contract sum</b> shall be inserted in the <b>agreement</b> for signature of the <b>agreement</b> by the <b>parties</b>  F:..... V:..... T:.....	Item	
1/1/29	<b><u>Contract data</u></b>  <b>Tenderer's selections</b>  Before submission of his tender the <b>contractor</b> is to complete the tenderer's selections in the <b>contract data</b>  F:..... V:..... T:.....	Item	
	<b><u>SECTION B: GENERAL PRELIMINARIES</u></b>		
	<b>Carried Forward</b>		<b>R</b>
	Section 1 Bill No. 1 PRELIMINARIES		

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			<b>R</b>
<b><u>Definitions and interpretation (B1)</u></b>			
1/1/30	Clause 1.1 - Definitions F:..... V:..... T:.....	Item	
1/1/31	Clause 1.2 - Interpretation F:..... V:..... T:.....	Item	
<b><u>Documents (B2)</u></b>			
1/1/32	Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item	
1/1/33	Clause 2.2 - Provisional <b>bills of quantities</b>		
1/1/34	Clause 2.3 - Availability of <b>construction information</b> F:..... V:..... T:.....	Item	
1/1/35	Clause 2.4 - Ordering of <b>materials and goods</b> F:..... V:..... T:.....	Item	
<b><u>Previous work and adjoining properties (B3)</u></b>			
1/1/36	Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item	
1/1/37	Clause 3.2 - Previous work - <b>defects</b> F:..... V:..... T:.....	Item	
<b>Carried Forward</b>			<b>R</b>
Section 1 Bill No. 1 PRELIMINARIES			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			<b>R</b>
1/1/38	Clause 3.3 - Inspection of adjoining properties  F:..... V:..... T:.....	Item	
<b><u>The site (B4)</u></b>			
1/1/39	Clause 4.1 - Handover of <b>site</b> in stages  F:..... V:..... T:.....	Item	
1/1/40	Clause 4.2 - Enclosure of the <b>works</b>  F:..... V:..... T:.....	Item	
1/1/41	Clause 4.3 - Geotechnical and other investigations  F:..... V:..... T:.....	Item	
1/1/42	Clause 4.4 - Encroachments  F:..... V:..... T:.....	Item	
1/1/43	Clause 4.5 - Existing premises occupied  F:..... V:..... T:.....	Item	
1/1/44	Clause 4.6 - Services - known  F:..... V:..... T:.....	Item	
<b><u>Management of contract (B5)</u></b>			
1/1/45	Clause 5.1 - Management of the <b>works</b>  F:..... V:..... T:.....	Item	
<b>Carried Forward</b>			<b>R</b>
Section 1 Bill No. 1 PRELIMINARIES			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			<b>R</b>
1/1/46	Clause 5.2 - Progress meetings F:..... V:..... T:.....	Item	
1/1/47	Clause 5.3 - Technical meetings F:..... V:..... T:.....	Item	
<b><u>Samples, shop drawings and manufacturer's instructions (B6)</u></b>			
1/1/48	Clause 6.1 - Samples of materials F:..... V:..... T:.....	Item	
1/1/49	Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item	
1/1/50	Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item	
1/1/51	Clause 6.4 - Compliance with manufacturer's instructions F:..... V:..... T:.....	Item	
<b><u>Deposits and fees (B7)</u></b>			
1/1/52	Clause 7.1 - Deposits and fees F:..... V:..... T:.....	Item	
<b>Carried Forward</b>			<b>R</b>
Section 1 Bill No. 1 PRELIMINARIES			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			<b>R</b>
<b><u>Temporary services (B8)</u></b>			
1/1/53	Clause 8.1 - Water F:..... V:..... T:.....	Item	
1/1/54	Clause 8.2 - Electricity F:..... V:..... T:.....	Item	
1/1/55	Clause 8.3 - Ablution and welfare facilities F:..... V:..... T:.....	Item	
1/1/56	Clause 8.4 - Communication facilities F:..... V:..... T:.....	Item	
<b><u>Prime cost amounts (B9)</u></b>			
1/1/57	Clause 9.1 - Responsibility for <b>prime cost amounts</b>		
<b><u>Attendance on subcontractors (B10)</u></b>			
1/1/58	Clause 10.1 - General attendance F:..... V:..... T:.....	Item	
1/1/59	Clause 10.2 - Special attendance		
<b><u>General (B11)</u></b>			
1/1/60	Clause 11.1 - Protection of the <b>works</b> F:..... V:..... T:.....	Item	
<b>Carried Forward</b>			<b>R</b>
Section 1 Bill No. 1 PRELIMINARIES			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			<b>R</b>
1/1/61	<p>Clause 11.2 - Protection/isolation of existing <b>works</b> and <b>works</b> occupied in <b>sections</b></p> <p>F:..... V:.....  T:.....</p>	Item	
1/1/62	<p>Clause 11.3 - Security of the <b>works</b></p> <p>F:..... V:.....  T:.....</p>	Item	
1/1/63	<p>Clause 11.4 - Notice before covering work</p> <p>F:..... V:.....  T:.....</p>	Item	
<b><u>SECTION C: SPECIFIC PRELIMINARIES</u></b>			
1/1/64	<p>Warranties for materials and workmanship</p> <p>Where warranties for materials and/or workmanship are called for, the <b>contractor</b> shall obtain a written warranty, addressed to the <b>employer</b>, from the entity supplying the materials and/or executing the work and shall deliver same to the <b>principal agent</b> on <b>final completion</b> of the contract</p> <p>The warranty shall state that workmanship, materials and installation are warranted for a specific period from the date of <b>practical completion</b> and that any <b>defects</b> 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 <b>notice</b> to do so</p> <p>The warranty will not be enforced if the work is damaged by <b>defects</b> in the execution of the <b>works</b>, in which case the responsibility for replacement shall rest entirely with the <b>contractor</b></p> <p>F:..... V:.....  T:.....</p>	Item	
<b>Carried Forward</b>			<b>R</b>
<p>Section 1  Bill No. 1  PRELIMINARIES</p>			



**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
1/1/65	<p>Cooperation of the <b>contractor</b> for cost management</p> <p>It is specifically agreed that the <b>contractor</b> accepts the obligation of assisting the <b>principal agent</b> in implementing proper cost management. The <b>contractor</b> will be advised by the <b>principal agent</b> of all cost management procedures which will be implemented to ensure that the <b>contract value</b> does not exceed the budget</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/66	<p>Overloading</p> <p>The <b>contractor</b> shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the <b>works</b> or temporary works eg scaffolding, etc. The <b>contractor</b> shall submit details of his proposed loading, storage, plant erection, etc to the <b>principal agent</b> for approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the <b>principal agent's</b> requirements in connection with the provision of temporary support work, etc. Any damage caused to the <b>works</b> by overloading shall be made good by the <b>contractor</b> at his sole expense</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/67	<p>Propping of floors below</p> <p>The <b>contractor</b> 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 <b>materials and goods</b> and location of plant, scaffolding, etc. The location of these areas and any necessary propping shall be approved by the <b>principal agent</b> and the cost thereof shall be borne by the <b>contractor</b></p> <p>F:..... V:..... T:.....</p>	Item	
<b>Carried Forward</b>			R
Section 1 Bill No. 1 PRELIMINARIES			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			<b>R</b>
1/1/68	<p>Testing of flat roof waterproofing for watertightness</p> <p>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</p> <p>F:..... V:..... T:.....</p>	Item	
1/1/69	<p>Health and safety</p> <p>Without limiting the generality of the provisions of clause 2.0, the <b>contractor's</b> 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 <b>employer</b> shall prepare a documented health and safety specification for the <b>works</b> and that the <b>employer</b> shall ensure that the <b>contractor</b> has made provision for the cost of health and safety measures during the execution of the <b>works</b>. The <b>contractor</b> 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]</p> <p>F:..... V:..... T:.....</p> <p><b><u>SUMMARY OF CATEGORIES</u></b></p> <p>Category : Fixed R.....</p> <p>Category : Value R.....</p> <p>Category : Time R.....</p>	Item	
<b>Carried Forward to Summary of Section No. 1</b>			<b>R</b>
<p>Section 1            Bill No. 1            PRELIMINARIES</p>			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO. 2</u></b></p> <p><b><u>ALTERATIONS (PROVISIONAL)</u></b></p> <p><b>Note:</b> Tenderers are advised to study the Model Preambles for Trades before pricing the Bill.</p> <p><b>Note:</b> Unless otherwise stated herein, all items in the Bill shall be deemed to be a fixed price for the duration of this project</p> <p><u>View site</u></p> <p><b>The tenderers are required to familiarise themselves on site with the dimensions, material and work required in order to price each item correctly in this bill of quantities</b></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 salvageable from the alterations. 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>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to tenants in the building and to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Doors, fanlights, windows, fittings, frames, linings, etc which are to remain the property of the employer shall be carefully taken out, temporarily stored, transported over a distance of approximately 10km to store and handed over to the employer</p> <p style="text-align: right;"><b>Carried Forward</b></p> <p>Section 1 Bill No. 2 ALTERATIONS</p>			<p style="text-align: right;">R</p>

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<p style="text-align: center;"><b>Brought Forward</b></p> <p>Doors, fanlights, windows, fittings, frames, linings, etc which are to be reused shall be thoroughly overhauled before refixing including taking off, easing and re-hanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p><b><u>Credit for old materials</u></b></p> <p>Provision is made in the final summary to quote for the value of old materials and measured elsewhere (Section: Removal of Existing Work refers)</p> <p><b><u>REMOVAL OF EXISTING WORK</u></b></p>		R	
<p style="text-align: center;"><b>Carried Forward</b></p> <p>Section 1          Bill No. 2          ALTERATIONS</p>		R	

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc</u>			
1/2/1	Mineral fibre acoustic ceiling panels, size 1 200mm x 600mm from suspension grid in patches	m2	13
1/2/2	Ditto, but including removing of damaged grid system including hangers, hold down clips, wedges etc. and including making good to receive new grid in patches	m2	1
<u>Taking out and removing sundry joinery work, fittings, etc</u>			
1/2/3	Timber shelves 2 520mm x 30mm x 5mm thick including steel supporting brackets from brick wall including making good	No	2
1/2/4	Timber wall unit 1 840mm x 650mm x 800mm high complete with doors, shelving, etc from brick walls including making good	No	2
1/2/5	Timber wall unit 1 500mm x 420mm x 870mm high complete with doors, shelving, etc from brick walls including making good	No	1
1/2/6	Timber floor unit 5 670mm x 644mm x 902mm high complete with doors, shelving, tops, etc from walls and floors including making good	No	1
1/2/7	Timber floor unit 2 426mm x 660mm x 1 210mm high complete with doors, shelving, tops, etc from walls and floors including making good	No	1
1/2/8	Timber floor unit 514mm x 627mm x 2 464mm high complete with doors, shelving, tops, etc from walls and floors including making good	No	1
1/2/9	Metal kitchen floor unit 1 700mm x 537mm x 878mm high complete with doors, shelving, tops, etc including double sink with mixer and disconnecting waste pipe from walls and floors including making good	No	1
<b>Carried Forward</b>			R
Section 1 Bill No. 2 ALTERATIONS			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>				R
1/2/10	Metal kitchen floor unit 1 730mm x 590mm x 870mm high complete with doors, shelving, tops, etc including double sink with mixer and disconnecting waste pipe from walls and floors including making good	No	1	
1/2/11	Metal kitchen floor unit 2 040mm x 580mm x 910mm high complete with doors, shelving, tops, etc including double sink with mixer and disconnecting waste pipe from walls and floors including making good	No	1	
1/2/12	Metal kitchen floor unit 1 831mm x 540mm x 878mm high complete with doors, shelving, tops, etc including double sink with taps and disconnecting waste pipe from walls and floors including making good	No	1	
1/2/13	Timber kitchen floor unit 2 940mm x 644mm x 902mm high complete with doors, shelving, tops, etc including double sink and disconnecting waste pipe from walls and floors including making good	No	1	
1/2/14	Timber kitchen floor unit 2 877mm x 603mm x 933mm high complete with doors, shelving, tops, etc including double sink with mixer and disconnecting waste pipe from walls and floors including making good	No	1	
1/2/15	Timber kitchen floor unit 6 010mm x 610mm x 873mm high complete with doors, shelving, tops, etc including double sink with mixer and disconnecting waste pipe from walls and floors including making good	No	1	
1/2/16	Timber kitchen floor unit 2 840mm x 610mm x 890mm high complete with doors, shelving, tops, etc including double sink with mixer and disconnecting waste pipe from walls and floors including making good	No	1	
1/2/17	Timber counter 1900mm x 620mm x 20mm thick including steel supporting brackets from brick wall including making good	No	1	
1/2/18	Particle board noticeboards size 2 000mm x 1 650mm from brick walls including making good	No	1	
1/2/19	Whiteboards size 3 500mm x 1 400mm from brick walls including making good	No	1	
<b>Carried Forward</b>				R
Section 1 Bill No. 2 ALTERATIONS				

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>				R
	<u>Taking up and removing wood floor coverings, vinyl floor coverings, carpets, etc and preparing screeds for new floor coverings</u>			
1/2/20	300mm x 300mm Vinyl tiles from floors	m2	121	
1/2/21	Loop pile wall to wall carpeting from floors	m2	1,231	
	<u>Taking out and removing ironmongery to be refurbished or replaced to match existing or with similar approved (measured elsewhere)</u>			
1/2/22	Door stops from doors	No	313	
1/2/23	Door handles from doors	No	11	
1/2/24	Steel window handles from windows	No	2	
1/2/25	Steel window latches from windows	No	1	
1/2/26	Vertical blinds including railings and opening gear from brick walls including making good	m2	1,213	
	<u>Taking out and removing steel security gates</u>			
1/2/27	"Trellidor" security gate with and including all ironmongery, overall size 2,2m x 2,5m from brick wall including making good	No	1	
	<u>Hacking up/off and removing granolithic, screeds, plaster, waterproofing, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, waterproofing, etc</u>			
1/2/28	Waterproofing from flat roofs and parapet walls to receive new (measured elsewhere) and prepare screed as per manufacturer's instruction	m2	253	
	<b>Carried Forward</b>			R
	Section 1 Bill No. 2 ALTERATIONS			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
	<u>Hacking up / off and removing ceramic tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish, etc</u>		
1/2/29	200mm x 200mm Tiles from walls in patches including making good	m2	5
	<u>Taking out and removing sanitary fittings, tanks, geysers, etc, including disconnecting from pipes, traps, etc and making good floor and wall finishes (making good tiling and paintwork measured elsewhere)</u>		
1/2/30	Double kitchen sink from timber / metal kitchen units	No	7
	<u>Taking out / off and removing glass and mirrors</u>		
1/2/31	Glass panes size 1 180mm wide x 730mm high from steel windows, including cleaning out rebates and preparing for new glass	No	1
1/2/32	Glass panes size 1 000mm wide x 330mm high from steel windows, including cleaning out rebates and preparing for new glass	No	1
1/2/33	Glass panes size 860mm wide x 160mm high from steel windows, including cleaning out rebates and preparing for new glass	No	3
1/2/34	Glass panes size 800mm wide x 400mm high from steel windows, including cleaning out rebates and preparing for new glass	No	2
1/2/35	Glass panes size 680mm wide x 420mm high from steel windows, including cleaning out rebates and preparing for new glass	No	1
1/2/36	Glass panes size 420mm wide x 550mm high from steel windows, including cleaning out rebates and preparing for new glass	No	14
1/2/37	Glass panes size 380mm wide x 970mm high from steel windows, including cleaning out rebates and preparing for new glass	No	1
	<b>Carried Forward</b>		R
	Section 1 Bill No. 2 ALTERATIONS		



**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
1/2/38	Glass panes size 300mm wide x 1 130mm high from steel windows, including cleaning out rebates and preparing for new glass	No	7
	<u>Taking out / off and removing electrical work</u>		
1/2/39	Electrical trunking from brick walls including making good	m	2
1/2/40	Power skirting covering from power skirting bodies including making good to receive new	m	609
1/2/41	Double stacked power skirting from brick walls including making good	m	182
	<u>Taking out / off and removing mechanical work</u>		
1/2/42	Air conditioning overflow pipes from walls and windows including making good	m	128
1/2/43	Air conditioning units from brick walls including making good	No	32
1/2/44	Fans from concrete ceilings including making good	No	6
<b><u>NEW WORK CHIEFLY INSIDE EXISTING BUILDING(S)</u></b>			
<b><u>BRICKWORK</u></b>			
<b><u>SUPERSTRUCTURE</u></b>			
<u>Brickwork of NFP bricks in class II mortar</u>			
1/2/45	Half brick walls in patches	m2	2
<b><u>BRICKWORK SUNDRIES</u></b>			
1/2/46	Forming toothings and bonding new brickwork to existing	m	2
<b>Carried Forward</b>			R
Section 1 Bill No. 2 ALTERATIONS			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
	<u>2,5mm Brickwork reinforcement</u>		
1/2/47	75mm Wide reinforcement built in horizontally	m	4
	<b><u>PLASTERING</u></b>		
	<b><u>INTERNAL PLASTER</u></b>		
	<u>Cement plaster on brickwork</u>		
1/2/48	On walls in patches	m2	3
	<b><u>GENERAL MAINTENANCE</u></b>		
	<u>Cleaning full-bore roof drains</u>		
1/2/49	110mm Rainwater full-bores to flat roofs	No	6
	<u>Deep cleaning cabinets</u>		
1/2/50	Timber kitchen wall units 1 800mm x 320mm x 730mm high fixed to brick walls	No	1
1/2/51	Timber kitchen unit 2 544mm x 600mm x 920mm high, including single sink fixed to floor and brick walls	No	1
	<u>Cleaning floor carpets</u>		
1/2/52	Loop pile wall to wall carpeting to floors	m2	3,510
	<u>Investigating and repairing of possible mould damage</u>		
1/2/53	Mould damage to floors	m2	36
	<u>Investigating and repairing of floor expansion</u>		
1/2/54	Expansion of floors	m2	25
	<u>Servicing of window louvre mechanism</u>		
1/2/55	Steel louvred mechanism to windows	No	1
	<b>Carried Forward</b>		R
	Section 1 Bill No. 2 ALTERATIONS		

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
	<u>Repairing of vertical blinds</u>		
1/2/56	Blind controls and / or head and bottom rails and / or vanes	m2	5
	<u>Cleaning bathrooms</u>		
1/2/57	Deep cleaning of bathrooms including 2 toilets, 1 wash hand basins, etc with a total floor area of 13,34m2	No	1
1/2/58	Deep cleaning of bathrooms including 1 toilets, 1 wash hand basins, 1 urinal, etc with a total floor area of 4,45m2	No	1
	<u>Cleaning kitchens</u>		
1/2/59	Deep cleaning of kitchens including 2 floor units, 1 wall unit, 1 floor unit with a single sink, etc with a total floor area of 9,87m2	No	1
	<u>Cleaning light covers</u>		
1/2/60	Removing and cleaning light covers with a radius of approximately 200mm	No	1
	<u>Testing and repairing air-conditioning unit</u>		
1/2/61	Air-conditioning split unit	No	9
	<u>Testing and servicing air-conditioning unit</u>		
1/2/62	Air-conditioning split unit	No	5
	<u>Replacing air-conditioner remote control</u>		
1/2/63	Air-conditioner remote, PC sum R300,00 each excluding VAT delivered to site	No	2
	<u>Cleaning windows</u>		
1/2/64	Cleaning interior glass panes with soap and water solution	m2	1,407
1/2/65	Cleaning exterior glass panes with soap and water solution	m2	1,407
<b>Carried Forward to Summary of Section No. 1</b>			R
Section 1			
Bill No. 2			
ALTERATIONS			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 3</u></b></p> <p><b><u>WATERPROOFING (PROVISIONAL)</u></b></p> <p><b>Note:</b> Tenderers are advised to study the Model Preambles for Trades before pricing the Bill.</p> <p><b>Note:</b> Unless otherwise stated herein, all items in the Bill shall be deemed to be a fixed price for the duration of this project</p> <p><u>View site</u></p> <p><b>The tenderers are required to familiarise themselves on site with the dimensions, material and work required in order to price each item correctly in this bill of quantities</b></p> <p><u>Waterproofing</u></p> <p>Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. 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</p> <p><b><u>WATERPROOFING TO ROOFS ETC</u></b></p> <p><u>Prime with one coat bitumen primer and one layer 4mm fully bonded waterproof membrane comprising two bitumen layers reinforced with woven spunbonded polyester fabric and coated with polyethelene film for heat bonding, laid with 100mm side and 150mm end laps</u></p>			
1/3/1	On flat roofs and tops and sides of parapet walls	m2	253	
1/3/2	On turn-ups and turn-downs, edges, etc. in narrow widths to walls etc.	m2	30	
	<b>Carried Forward</b>			R
	Section 1 Bill No. 3 WATERPROOFING			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			<b>R</b>
	<u>Two coats bituminous aluminium paint</u>		
1/3/3	On waterproofing to roofs	m2	253
1/3/4	On turn-ups and turn-downs, edges, etc. in narrow widths to walls etc.	m2	30
<b>Carried Forward to Summary of Section No. 1</b>			<b>R</b>
Section 1			
Bill No. 3			
WATERPROOFING			

CSIR  
 Renovations on various CSIR buildings  
 Revision #01

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 4</u></b></p> <p><b><u>CARPENTRY AND JOINERY (PROVISIONAL)</u></b></p> <p><b>Note:</b> Tenderers are advised to study the Model Preambles for Trades before pricing the Bill.</p> <p><b>Note:</b> Unless otherwise stated herein, all items in the Bill shall be deemed to be a fixed price for the duration of this project</p> <p><u>View site</u></p> <p><b>The tenderers are required to familiarise themselves on site with the dimensions, material and work required in order to price each item correctly in this bill of quantities</b></p> <p><u>Fixing</u></p> <p>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</p> <p>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</p> <p><b><u>TIMBER DOORS, WINDOWS, ETC</u></b></p> <p><b><u>CUPBOARDS TO KITCHENS, BEDROOMS, ETC</u></b></p> <p><u>General</u></p>			
	<b>Carried Forward</b>		R	
	<p>Section 1            Bill No. 4            CARPENTRY AND JOINERY</p>			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
	<u>Kitchen cupboards with internal concealed Grass type and quality hinges, Union aluminium 587 Cedar pull handles size 111mm with anodised silver finish and CISA drawer and cupboard locks including cylinder rose and key finished in nickel plated steel</u>		
1/4/1	Floor cupboard 5 670mm x 644mm x 902mm high with 30mm thick white granite tops with 2 - 3mm bevel on surface edge, "PG Bison" 16mm Bisonboard Melawood superwhite sides, bottom, division, shelf, back and 11 double hinged doors, necessary 8mm thick steel carcass framework epoxy power coated and 4 drawers	No	1
1/4/2	Floor cupboard 2 426mm x 660mm x 1 210mm high with 30mm thick white granite tops with 2 - 3mm bevel on surface edge, "PG Bison" 16mm Bisonboard Melawood superwhite sides, bottom, division, shelf, back and 1 double hinged doors, necessary 8mm thick steel carcass framework epoxy power coated	No	1
1/4/3	Floor cupboard 1 500mm x 420mm x 870mm high with 30mm thick white granite tops with 2 - 3mm bevel on surface edge, "PG Bison" 16mm Bisonboard Melawood superwhite sides, bottom, division, shelf, back and 3 double hinged doors, necessary 8mm thick steel carcass framework epoxy power coated and 3 drawers	No	1
1/4/4	Floor cupboard 514mm x 627mm x 2 464mm high with 30mm thick white granite tops with 2 - 3mm bevel on surface edge, "PG Bison" 16mm Bisonboard Melawood superwhite sides, bottom, division, shelf, back and 1 double hinged doors, necessary 8mm thick steel carcass framework epoxy power coated	No	1
1/4/5	Wall cupboard 1 840mm x 650mm x 800mm high "PG Bison" 16mm Bisonboard Melawood superwhite sides, bottom, division, shelf, back and 6 double hinged doors, necessary 8mm thick steel carcass framework epoxy power coated	No	1
1/4/6	Wall cupboard 1 800mm x 320mm x 730mm high "PG Bison" 16mm Bisonboard Melawood superwhite sides, bottom, division, shelf, back and 4 double hinged doors, necessary 8mm thick steel carcass framework epoxy power coated	No	1
<b>Carried Forward</b>			R
Section 1 Bill No. 4 CARPENTRY AND JOINERY			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
1/4/7	Sink cupboard 1 700mm x 537mm x 878mm high with 30mm thick white granite tops with 2 - 3mm bevel on surface edge, "PG Bison" 16mm Bisonboard Melawood superwhite sides, bottom, division, shelf, back and 2 double hinged doors and necessary 8mm thick steel carcass framework epoxy power coated (sink elsewhere)	No	1
1/4/8	Sink cupboard 2 940mm x 644mm x 902mm high with 30mm thick white granite tops with 2 - 3mm bevel on surface edge, "PG Bison" 16mm Bisonboard Melawood superwhite sides, bottom, division, shelf, back and 3 double hinged doors and necessary 8mm thick steel carcass framework epoxy power coated (sink elsewhere)	No	1
1/4/9	Sink cupboard 2 877mm x 603mm x 933mm high with 30mm thick white granite tops with 2 - 3mm bevel on surface edge, "PG Bison" 16mm Bisonboard Melawood superwhite sides, bottom, division, shelf, back and 6 double hinged doors and necessary 8mm thick steel carcass framework epoxy power coated (sink elsewhere)	No	1
1/4/10	Sink cupboard 2 040mm x 580mm x 910mm high with 30mm thick white granite tops with 2 - 3mm bevel on surface edge, "PG Bison" 16mm Bisonboard Melawood superwhite sides, bottom, division, shelf, back and 3 double hinged doors and necessary 8mm thick steel carcass framework epoxy power coated (sink elsewhere)	No	1
1/4/11	Sink cupboard 1 831mm x 540mm x 872mm high with 30mm thick white granite tops with 2 - 3mm bevel on surface edge, "PG Bison" 16mm Bisonboard Melawood superwhite sides, bottom, division, shelf, back and 3 double hinged doors and necessary 8mm thick steel carcass framework epoxy power coated (sink elsewhere)	No	1
<b>Carried Forward</b>			R
Section 1 Bill No. 4 CARPENTRY AND JOINERY			



**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>				R
1/4/12	Sink cupboard 2 544mm x 600mm x 920mm high with 30mm thick white granite tops with 2 - 3mm bevel on surface edge, "PG Bison" 16mm Bisonboard Melawood superwhite sides, bottom, division, shelf, back and 4 double hinged doors and necessary 8mm thick steel carcass framework epoxy power coated with 4 drawers (sink elsewhere)	No	1	
1/4/13	Sink cupboard 6 010mm x 610mm x 873mm high with 30mm thick white granite tops with 2 - 3mm bevel on surface edge, "PG Bison" 16mm Bisonboard Melawood superwhite sides, bottom, division, shelf, back and 13 double hinged doors and necessary 8mm thick steel carcass framework epoxy power coated with 4 drawers (sink elsewhere)	No	1	
1/4/14	Sink cupboard 1 730mm x 590mm x 870mm high with 30mm thick white granite tops with 2 - 3mm bevel on surface edge, "PG Bison" 16mm Bisonboard Melawood superwhite sides, bottom, division, shelf, back and 3 double hinged doors and necessary 8mm thick steel carcass framework epoxy power coated (sink elsewhere)	No	1	
1/4/15	Sink cupboard 2 840mm x 610mm x 890mm high with 30mm thick white granite tops with 2 - 3mm bevel on surface edge, "PG Bison" 16mm Bisonboard Melawood superwhite sides, bottom, division, shelf, back and 4 double hinged doors and necessary 8mm thick steel carcass framework epoxy power coated (sink elsewhere)	No	1	
	<u>Extra over</u>			
1/4/16	Extra over granite top for cutting of opening to receive sink size approximately 343mm x 410mm including fixing and sealing of sink	No	7	
1/4/17	Ditto, but for size 160mm x 280mm	No	7	
<b>Carried Forward to Summary of Section No. 1</b>				R
Section 1				
Bill No. 4				
CARPENTRY AND JOINERY				

CSIR  
Renovations on various CSIR buildings  
Revision #01

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 5</u></b></p> <p><b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></b></p> <p><b>Note:</b> Tenderers are advised to study the Model Preambles for Trades before pricing the Bill.</p> <p><b>Note:</b> Unless otherwise stated herein, all items in the Bill shall be deemed to be a fixed price for the duration of this project</p> <p><u>View site</u></p> <p><b>The tenderers are required to familiarise themselves on site with the dimensions, material and work required in order to price each item correctly in this bill of quantities</b></p> <p><u>Fixing</u></p> <p>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</p> <p>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</p> <p><u>Ceilings</u></p> <p>Unless otherwise described ceilings shall be deemed to be horizontal</p> <p><u>Steel components</u></p> <p>All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121</p> <p><b><u>CEILING TIMBERS, BEADS, INSULATION, ETC</u></b></p>			
	<p><b>Carried Forward</b></p>		R	
	<p>Section 1 Bill No. 5 CEILINGS, PARTITIONS AND ACCESS FLOORING</p>			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
<b><u>SUSPENDED CEILINGS</u></b>			
<u>1200 x 600 x 9mm "Gyproc" mineral fibre acoustic panels on exposed suspension grid system including hangers, necessary hold-down clips and wedges, etc to match existing</u>			
1/5/1	Ceilings suspended not exceeding 1m below concrete soffits	m2	1
<u>1200 x 600 x 9mm "Gyproc" mineral fibre acoustic panels on exposed suspension grid system</u>			
1/5/2	Ceilings suspended not exceeding 1m below concrete soffits	m2	13
<b><u>PARTITIONS ETC</u></b>			
<b><u>DRYWALL PARTITIONS</u></b>			
<u>"Rhino-Drywall" partitions with 12,5mm thick "RhinoBoard" board cladding on both sides boards are to be butt jointed and finished with "Rhinotape" and "Readymix D" jointing compound all in accordance with the manufacturer's instructions</u>			
1/5/3	Partitions 2,94m high with bottom and top tracks plugged	m	15
1/5/4	Partitions 2,50m high with bottom and top tracks plugged	m	13
1/5/5	Extra over partition 2,94m high for vertical end against plastered brick wall	No	6
1/5/6	Extra over partition 2,5m high for vertical end against plastered brick wall	No	2
1/5/7	Extra over partition 2,94m high for T-intersection	No	2
1/5/8	Extra over partition 2,5m high for T-intersection	No	2
<b>Carried Forward</b>			R
Section 1 Bill No. 5 CEILINGS, PARTITIONS AND ACCESS FLOORING			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

		<b>Brought Forward</b>		<b>R</b>
		<u>Extra over "Rhino-Drywall" partitions for 40mm semi-solid flush doors with veneer on both sides and hardwood edge strips to vertical edges, hung to and including standard natural anodised aluminium door frame with one pair of 100mm nylon washered aluminium hinges to each hanging stile, including additional studding, trimming, etc. to partitions</u>		
1/5/9	Door 803 x 2 032mm high including "Euro brass" or similar lockset to match existing	No	4	
	<b><u>SKIRTING ETC.</u></b>			
	<u>Aluminium skirting</u>			
1/5/10	<u>100mm High aluminium skirting</u>	m	56	
<b>Carried Forward to Summary of Section No. 1</b>				<b>R</b>
Section 1				
Bill No. 5				
CEILINGS, PARTITIONS AND ACCESS FLOORING				

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 6</u></b></p> <p><b><u>FLOOR COVERINGS, WALL LININGS, ETC (PROVISIONAL)</u></b></p> <p><b>Note:</b> Tenderers are advised to study the Model Preambles for Trades before pricing the Bill.</p> <p><b>Note:</b> Unless otherwise stated herein, all items in the Bill shall be deemed to be a fixed price for the duration of this project</p> <p><u>View site</u></p> <p><b>The tenderers are required to familiarise themselves on site with the dimensions, material and work required in order to price each item correctly in this bill of quantities</b></p> <p><u>Fixing</u></p> <p>Floor coverings, wall linings, etc shall, where applicable, be fixed with adhesive as recommended by the manufacturers of the flooring, linings, etc</p> <p><b><u>FLOOR COVERINGS</u></b></p> <p><u>300mm x 300mm x 5mm Approved semi flexible vinyl tiles</u></p>			
1/6/1	On floors	m2	121	
	<p><u>500 x500mm "Belgotex Battleship" tufted multi scroll loop pile fibre stainproof SDX carpet tiles</u></p>			
1/6/2	On floors	m2	1,231	
	<p><b><u>SKIRTINGS, NOSINGS, ETC</u></b></p>			
	<b>Carried Forward</b>			R
	<p>Section 1            Bill No. 6            FLOOR COVERINGS, WALL LININGS, ETC</p>			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

		<b>Brought Forward</b>		<b>R</b>
	<u>Vinyl skirtings, nosings, etc</u>			
1/6/3	100mm Approved semi flexible vinyl skirtings	m	34	
<b>Carried Forward to Summary of Section No. 1</b>				<b>R</b>
Section 1				
Bill No. 6				
FLOOR COVERINGS, WALL LININGS, ETC				

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 7</u></b></p> <p><b><u>IRONMONGERY (PROVISIONAL)</u></b></p> <p><b>Note:</b> Tenderers are advised to study the Model Preambles for Trades before pricing the Bill.</p> <p><b>Note:</b> Unless otherwise stated herein, all items in the Bill shall be deemed to be a fixed price for the duration of this project</p> <p><u>View site</u></p> <p><b>The tenderers are required to familiarise themselves on site with the dimensions, material and work required in order to price each item correctly in this bill of quantities</b></p> <p><u>Proprietary items</u></p> <p>Where applicable the manufacturers' names or product catalogue titles are given in sub-headings preceding the items</p> <p>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</p> <p>On request returnable samples are to be provided to the principal agent for consideration</p> <p><b><u>CATCHES, CABIN HOOKS, ETC</u></b></p>			
1/7/1	"Euro brass" or similar sliding stay to match existing	No	1	
	<p><b><u>HANDLES</u></b></p>			
1/7/2	"Euro brass" or similar chrome plated door handle to match existing	No	11	
	<b>Carried Forward</b>			R
	<p>Section 1  Bill No. 7  IRONMONGERY</p>			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
1/7/3	"Euro brass" or similar window casement handles to match existing	No	2
<b><u>SUNDRIES</u></b>			
1/7/4	"Dortello" or similar approved floor mounted magnetic door stops fixed to concrete floors	No	313
<b><u>PHOTOLUMINESCENT SIGNS</u></b>			
<u>Wall mounted photoluminescent statutory signs in 150 x 150mm modules</u>			
1/7/5	300 x 150mm Sign with EXIT sign (Type Fire Exit)	No	2
<b><u>DRAPES, BLINDS, ETC</u></b>			
<u>Vertical blinds</u>			
1/7/6	"Aluvert" fabric vertical blinds size 5 750mm x 1 350mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	1
1/7/7	"Aluvert" fabric vertical blinds size 4 200mm x 1 350mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	1
1/7/8	"Aluvert" fabric vertical blinds size 3 750mm x 1 900mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	9
1/7/9	"Aluvert" fabric vertical blinds size 3 550mm x 1 400mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	19
<b>Carried Forward</b>			R
Section 1 Bill No. 7 IRONMONGERY			



**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
1/7/10	"Aluvert" fabric vertical blinds size 3 500mm x 1 950mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	2
1/7/11	"Aluvert" fabric vertical blinds size 3 500mm x 1 000mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	3
1/7/12	"Aluvert" fabric vertical blinds size 3 450mm x 1 850mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	4
1/7/13	"Aluvert" fabric vertical blinds size 3 450mm x 1 600mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	4
1/7/14	"Aluvert" fabric vertical blinds size 3 450mm x 1 450mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	1
1/7/15	"Aluvert" fabric vertical blinds size 3 150mm x 2 750mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	1
1/7/16	"Aluvert" fabric vertical blinds size 2 950mm x 1 350mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	1
<b>Carried Forward</b>			R
Section 1 Bill No. 7 IRONMONGERY			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
1/7/17	"Aluvert" fabric vertical blinds size 2 850mm x 1 900mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	17
1/7/18	"Aluvert" fabric vertical blinds size 2 800mm x 2 400mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	1
1/7/19	"Aluvert" fabric vertical blinds size 2 400mm x 1 000mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	2
1/7/20	"Aluvert" fabric vertical blinds size 2 300mm x 1 400mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	1
1/7/21	"Aluvert" fabric vertical blinds size 1 850mm x 1 900mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	25
1/7/22	"Aluvert" fabric vertical blinds size 1 700mm x 700mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	1
1/7/23	"Aluvert" fabric vertical blinds size 1 300mm x 1 700mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	83
<b>Carried Forward</b>			R
Section 1 Bill No. 7 IRONMONGERY			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
1/7/24	"Aluvert" fabric vertical blinds size 1 300mm x 1 600mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	1
1/7/25	"Aluvert" fabric vertical blinds size 1 100mm x 1 400mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	5
1/7/26	"Aluvert" fabric vertical blinds size 950mm x 1 700mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	311
1/7/27	"Aluvert" fabric vertical blinds size 900mm x 1 900mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	17
1/7/28	"Aluvert" fabric vertical blinds size 600mm x 600mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	2
1/7/29	"Aluvert" fabric vertical blinds size 500mm x 1 350mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	1
1/7/30	"Aluvert" fabric vertical blinds size 500mm x 1 000mm high in the colour Kent Grey 11 with 90mm wide vanes, manual controls, left / right hand stacking head and bottom rails, blinds to be fitted inside reveal / or fixed face	No	5
<b>Carried Forward</b>			R
Section 1 Bill No. 7 IRONMONGERY			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

		<b>Brought Forward</b>		<b>R</b>
		<u>Horizontal blinds</u>		
1/7/31	"Aluvert" Basswood horizontal blinds size 3 700mm x 1 850mm high in the colour white wash with manual controls fitted inside reveal / or fixed face	No	1	
1/7/32	"Aluvert" Basswood horizontal blinds size 2 300mm x 1 400mm high in the colour white wash with manual controls fitted inside reveal / or fixed face	No	1	
1/7/33	"Aluvert" Basswood horizontal blinds size 1 300mm x 1 700mm high in the colour white wash with manual controls fitted inside reveal / or fixed face	No	5	
1/7/34	"Aluvert" Basswood horizontal blinds size 900mm x 1 700mm high in the colour white wash with manual controls fitted inside reveal / or fixed face	No	9	
1/7/35	"Aluvert" Basswood horizontal blinds size 500mm x 1 320mm high in the colour white wash with manual controls fitted inside reveal / or fixed face	No	3	
		<b>Carried Forward to Summary of Section No. 1</b>		<b>R</b>
Section 1				
Bill No. 7				
IRONMONGERY				

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 8</u></b></p> <p><b><u>METALWORK (PROVISIONAL)</u></b></p> <p><b>Note:</b> Tenderers are advised to study the Model Preambles for Trades before pricing the Bill.</p> <p><b>Note:</b> Unless otherwise stated herein, all items in the Bill shall be deemed to be a fixed price for the duration of this project</p> <p><u>View site</u></p> <p><b>The tenderers are required to familiarise themselves on site with the dimensions, material and work required in order to price each item correctly in this bill of quantities</b></p> <p><u>Descriptions of bolts, anchors, etc</u></p> <p>Descriptions of bolts shall be deemed to include nuts and washers</p> <p>Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete</p> <p>Items described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres</p> <p><b><u>GALVANISED STEEL HANDRAILS</u></b></p> <p><u>Welded safetyrails to walls</u></p>			
1/8/1	Safety rails, PC sum of R5 000,00 excluding VAT delivered to site	m	2	
	<b>Carried Forward</b>			R
	Section 1 Bill No. 8 METALWORK			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

		Brought Forward			R
		<b><u>STEEL BALUSTRADING</u></b>			
		<u>Welded balustrading to stairs</u>			
1/8/2	Horizontal balustrading to walkways of flat section continuous top rail, continuous bottom rail, intermediate balusters between top and bottom rails and section posts each with flat section base plate bolted to wall to match existing	m2	2		
<b>Carried Forward to Summary of Section No. 1</b>				R	
Section 1 Bill No. 8 METALWORK					

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 9</u></b></p> <p><b><u>TILING (PROVISIONAL)</u></b></p> <p><b>Note:</b> Tenderers are advised to study the Model Preambles for Trades before pricing the Bill.</p> <p><b>Note:</b> Unless otherwise stated herein, all items in the Bill shall be deemed to be a fixed price for the duration of this project</p> <p><u>View site</u></p> <p><b>The tenderers are required to familiarise themselves on site with the dimensions, material and work required in order to price each item correctly in this bill of quantities</b></p> <p><u>Patterns</u></p> <p>Unless otherwise described, tiles shall be laid with continuous joints in both directions</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><b><u>WALL TILING</u></b></p>			
	<p><b>Carried Forward</b></p>		R	
	<p>Section 1            Bill No. 9            TILING</p>			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
1/9/1	<u>200mm x 200mm x 5mm White glazed ceramic tiles on brickwork including cement plaster backing to match existing</u> On walls in patches	m2	5
<b><u>FLOOR TILING</u></b>			
1/9/2	<u>600mm x 600m Full bodied double presses porcelain non-slip tiles in a shade of grey (to be approved) fixed with adhesive mixed with bonding liquid to screed and flush pointed with "Dove grey" grout</u> On floors and landings	m2	121
<b>Carried Forward to Summary of Section No. 1</b>			R
Section 1 Bill No. 9 TILING			



**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 10</u></b></p> <p><b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b></p> <p><b>Note:</b> Tenderers are advised to study the Model Preambles for Trades before pricing the Bill.</p> <p><b>Note:</b> Unless otherwise stated herein, all items in the Bill shall be deemed to be a fixed price for the duration of this project</p> <p><u>View site</u></p> <p><b>The tenderers are required to familiarise themselves on site with the dimensions, material and work required in order to price each item correctly in this bill of quantities</b></p> <p><b><u>SANITARY FITTINGS</u></b></p> <p><u>"Grade 304 18/10 polished" stainless steel</u></p>			
1/10/1	<p>1 360mm x 500mm "Franke cascade model CDX671" sink with two 343mm x 410mm x 157mm deep and 160mm x 280mm x 139mm deep bowls fitted onto cupboard (cupboard elsewhere) including PVC traps (traps elsewhere) with two 90mm waste fittings (elsewhere) including installing and connecting to existing plumbing pipes</p>	No	7	
	<p><b><u>WASTE UNIONS ETC</u></b></p> <p><u>Manufactured by "Franke"</u></p>			
1/10/2	90mm "Franke" chromium plated basin waste union	No	7	
	<p><b><u>TRAPS ETC</u></b></p>			
1/10/3	40mm PVC "P" or "S" trap	No	7	
	<b>Carried Forward</b>			R
	<p>Section 1            Bill No. 10            PLUMBING AND DRAINAGE</p>			

**CSIR  
Renovations on various CSIR buildings  
Revision #01**

		<b>Brought Forward</b>		<b>R</b>
		<b><u>TAPS, VALVES, ETC</u></b>		
		<u>"Cobra" or other similar approved</u>		
1/10/4	15mm "Watertech Karoo" chrome plated single lever raised basin mixer	No	7	
		<b><u>ELECTRIC WATER HEATERS</u></b>		
		<u>Manufactured by "Franke"</u>		
1/10/5	"Zip Hydrotap BA with Booster Upgrade" electric water heater with 208mm x 313mm x 333mm sink cupboard cabinet	No	7	
<b>Carried Forward to Summary of Section No. 1</b>				<b>R</b>
Section 1				
Bill No. 10				
PLUMBING AND DRAINAGE				

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 11</u></b></p> <p><b><u>ELECTRICAL WORK (PROVISIONAL)</u></b></p> <p><b>Note:</b> Tenderers are advised to study the Model Preambles for Trades before pricing the Bill.</p> <p><b>Note:</b> Unless otherwise stated herein, all items in the Bill shall be deemed to be a fixed price for the duration of this project</p> <p><u>View site</u></p> <p><b>The tenderers are required to familiarise themselves on site with the dimensions, material and work required in order to price each item correctly in this bill of quantities</b></p> <p><u>Distribution boards etc</u></p> <p>Rates for distribution boards etc are to include for busbars, jumpers, neutral bars, internal wiring and connections, circuit identification markers, control gear labels, circuit legend cards and working drawings</p> <p><u>Switches, socket outlets, etc</u></p> <p>Rates for switches, socket outlets, etc are to include for screwing to outlet boxes, connecting up and cover plates</p> <p><u>Light fittings</u></p> <p>Rates for light fittings are to include for hanging, fixing and connecting and for lamp holders and fluorescent tubes and lamps of the type and wattage described</p> <p><b><u>GENERAL LIGHTING AND POWER</u></b></p>			
	<p><b>Carried Forward</b></p>			R
	<p>Section 1            Bill No. 11            ELECTRICAL WORK</p>			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
<b><u>POWER SKIRTINGS</u></b>			
1/11/1	"Cabstrut N8/801 fixed splice" two tier three compartment power skirtings with powder coated finish, fixed to walls	m	182
1/11/2	"Cabstrut N8/801 fixed splice" power skirting powder coated cover	m	609
<u>Extra over for</u>			
1/11/3	End clip against wall (Provisional)	No	546
1/11/4	16A Three pin flush mounted socket outlet with switch, fixed to skirting	No	58
<b><u>LIGHT SWITCHES, SOCKET OUTLETS, ETC</u></b>			
1/11/5	16A Flush mounted one lever one-way switch unit complete with cover plate to match existing	No	2
1/11/6	Manual light switch pull cord	No	2
<b><u>REPLACING OF LUMINARIES</u></b>			
1/11/7	Light bulb / tube in existing fittings to match existing	No	101
1/11/8	Florescent light covers size 1 200mm x 600mm to match existing	No	5
<b>Carried Forward to Summary of Section No. 1</b>			R
Section 1			
Bill No. 11			
ELECTRICAL WORK			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

Item No		Quantity	Rate	Amount
<b><u>BILL NO 12</u></b>				
<b><u>MECHANICAL WORK (PROVISIONAL)</u></b>				
<b>Note:</b> Tenderers are advised to study the Model Preambles for Trades before pricing the Bill.				
<b>Note:</b> Unless otherwise stated herein, all items in the Bill shall be deemed to be a fixed price for the duration of this project				
<u>View site</u>				
<b>The tenderers are required to familiarise themselves on site with the dimensions, material and work required in order to price each item correctly in this bill of quantities</b>				
<b><u>AIR CONDITIONING INSTALLATION</u></b>				
<b><u>"SPLIT TYPE" UNITS</u></b>				
1/12/1	"Samsung" or similar approved 9 000 BTU Inverter type mid wall unit with condensing unit mounted on external wall with approved brackets at a minimum of 600mm AFL all according to CSIR HVAC specifications (pipes and trunking measured elsewhere)	No	19	
1/12/2	"Samsung" or similar approved 12 000 BTU Inverter type mid wall unit with condensing unit mounted on external wall with approved brackets at a minimum of 600mm AFL all according to CSIR HVAC specifications (pipes and trunking measured elsewhere)	No	6	
1/12/3	"Samsung" or similar approved 18 000 BTU Inverter type mid wall unit with condensing unit mounted on external wall with approved brackets at a minimum of 600mm AFL all according to CSIR HVAC specifications (pipes and trunking measured elsewhere)	No	7	
<b><u>CONDENSER WATER PIPEWORK ETC</u></b>				
<b>Carried Forward</b>				R
Section 1 Bill No. 12 MECHANICAL WORK				

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
<u>Blue PVC air conditioning condensate drain pipes</u>			
1/12/4	25mm Pipes fitted through 6mm PVC sheet and glass panes (fitting and sealing to panes measured elsewhere) Provisional	m	146
1/12/5	25mm Pipes fitted through walls / ceilings / concrete slabs etc. including making good, sealing and making waterproof around pipe (Provisional)	m	100
<u>Copper air conditioning refrigerant pipes</u>			
1/12/6	12mm Pipes fitted through walls / ceilings / concrete slabs etc. including making good of openings (Provisional)	m	146
<u>PVC trunking</u>			
1/12/7	PVC trucking for 25mm PVC pipes fixed to walls / ceilings (Provisional)	m	146
<u>Galvanised trunking</u>			
1/12/8	Galvanised trucking for 12mm copper pipes fixed to walls / ceilings (Provisional)	m	146
<u>Fitting and sealing of pipes through glass and PVC</u>			
1/12/9	Fitting of 25mm PVC pipe through PVC sheet including PVC seal welding and making waterproof (PVC sheet measured elsewhere)	No	20
1/12/10	Fitting of 25mm PVC pipe through glass including sealing and making watertight (PVC sheet measured elsewhere)	No	20
<b><u>TESTING</u></b>			
<u>Testing of air conditioning units</u>			
1/12/11	Vacuum and pressure testing of 9 000 BTU Inverter type mid wall unit	No	19
<b>Carried Forward</b>			R
Section 1 Bill No. 12 MECHANICAL WORK			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

		<b>Brought Forward</b>		<b>R</b>
1/12/12	Vacuum and pressure testing of 12 000 BTU Inverter type mid wall unit	No	6	
1/12/13	Vacuum and pressure testing of 18 000 BTU Inverter type mid wall unit with condensing unit	No	7	
<p><b>Carried Forward to Summary of Section No. 1</b></p> <p>Section 1            Bill No. 12            MECHANICAL WORK</p>				R

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

Item No		Quantity	Rate	Amount
	<b><u>BILL NO 13</u></b>			
	<b><u>GLAZING (PROVISIONAL)</u></b>			
	<b>Note:</b> Tenderers are advised to study the Model Preambles for Trades before pricing the Bill.			
	<b>Note:</b> Unless otherwise stated herein, all items in the Bill shall be deemed to be a fixed price for the duration of this project			
	<u>View site</u>			
	<b>The tenderers are required to familiarise themselves on site with the dimensions, material and work required in order to price each item correctly in this bill of quantities</b>			
	<u>Float glass</u>			
	The term "float glass" is used for monolithic annealed glass			
	<b><u>GLAZING TO STEEL WITH PUTTY</u></b>			
	<u>4mm Clear float glass</u>			
1/13/1	Panels exceeding 0,1m <sup>2</sup> and not exceeding 0,5m <sup>2</sup>	m <sup>2</sup>	10	
1/13/2	Glass panes size 800mm x 400mm including circular cutting in glass pane for hole to fit 25mm PVC condensate air conditioning drain pipe (PVC drain pipe measured elsewhere)	No	2	
1/13/3	Glass pane size 420mm x 550mm including circular cutting in glass pane for hole to fit 25mm PVC condensate air conditioning drain pipe (PVC drain pipe measured elsewhere)	No	14	
	<b>Carried Forward</b>			R
	Section 1 Bill No. 13 GLAZING			



**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>				R
1/13/4	Glass pane size 300mm x 1 130mm including circular cutting in glass pane for hole to fit 25mm PVC condensate air conditioning drain pipe (PVC drain pipe measured elsewhere)	No	4	
	<u>4mm "Frostyvue" obscure glass</u>			
1/13/5	Panes exceeding 0,1m <sup>2</sup> and not exceeding 0,5m <sup>2</sup>	m2	1	
	<b><u>SUNDRIES</u></b>			
	<u>PVC panes</u>			
1/13/6	6mm PVC sheets overlay size 800mm x 400mm including circular cutting in PVC panes to fit 25mm PVC condensate air conditioning drain pipe placed against internal glass windows including riveting and fixing of overlays to steel frame with silicone (PVC drain pipe measured elsewhere)	No	2	
1/13/7	6mm PVC sheets overlay size 420mm x 550mm including circular cutting in PVC panes to fit 25mm PVC condensate air conditioning drain pipe placed against internal glass windows including riveting and fixing of overlays to steel frame with silicone (PVC drain pipe measured elsewhere)	No	14	
1/13/8	6mm PVC sheets overlay size 300mm x 1 130mm including circular cutting in PVC panes to fit 25mm PVC condensate air conditioning drain pipe placed against internal glass windows including riveting and fixing of overlays to steel frame with silicone (PVC drain pipe measured elsewhere)	No	4	
<b>Carried Forward to Summary of Section No. 1</b>				R
Section 1				
Bill No. 13				
GLAZING				

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

Item No		Quantity	Rate	Amount
	<p><b><u>BILL NO 14</u></b></p> <p><b><u>PAINTWORK (PROVISIONAL)</u></b></p> <p><b>Note:</b> Tenderers are advised to study the Model Preambles for Trades before pricing the Bill.</p> <p><b>Note:</b> Unless otherwise stated herein, all items in the Bill shall be deemed to be a fixed price for the duration of this project</p> <p><u>View site</u></p> <p><b>The tenderers are required to familiarise themselves on site with the dimensions, material and work required in order to price each item correctly in this bill of quantities</b></p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>PREPARATORY WORK TO EXISTING WORK</u></b></p> <p><u>Previously painted plastered surfaces</u></p> <p>Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed and screws shall be removed, cracks or screw holes shall be opened, filled with a suitable filler and finished smooth.</p> <p><u>Previously painted metal surfaces</u></p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p>			
	<b>Carried Forward</b>		R	
	Section 1 Bill No. 14 PAINTWORK			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

		<b>Brought Forward</b>		<b>R</b>
	<u>Previously painted wood surfaces</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			
	<b><u>PAINTWORK ETC TO NEW WORK</u></b>			
	<b><u>ON INTERNAL FLOATED PLASTER SURFACES</u></b>			
	<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>			
1/14/1	Walls in patches	m2	6	
	<b><u>ON INTERNAL GYPSUM PLASTER SURFACES</u></b>			
	<u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u>			
1/14/2	Walls	m2	76	
	<b><u>PAINTWORK, ETC TO PREVIOUSLY PAINTED WORK</u></b>			
	<b><u>ON BAGGED BRICKWORK OR CONCRETE SURFACES</u></b>			
	<u>Two coats superior quality acrylic emulsion paint for interior and exterior use</u>			
1/14/3	Ceilings and beams ("White" colour group)	m2	2,565	
	<b><u>ON QUARRY TILE SURFACES</u></b>			
	<u>Two coats acrylic Emulsion brick dressing</u>			
1/14/4	Window sills	m2	3	
1/14/5	Brick skirtings	m	3,005	
	<b><u>ON INTERNAL FLOATED PLASTER SURFACES</u></b>			
	<b>Carried Forward</b>			<b>R</b>
	Section 1 Bill No. 14 PAINTWORK			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>				R
	<u>Two coats superior quality acrylic emulsion paint for interior and exterior use - Plascon Cashmere Amazon Mist Y5-E2-3 or similar approved</u>			
1/14/6	Walls	m2	7,682	
	<u>Two coats superior quality acrylic emulsion paint for interior and exterior use - Plascon Pantone 109 or similar approved (Provisional)</u>			
1/14/7	Walls	m2	144	
	<u>Two coats superior quality acrylic emulsion paint for interior and exterior use - Plascon Pantone 376 or similar approved (Provisional)</u>			
1/14/8	Walls	m2	2,382	
	<u>Two coats superior quality acrylic emulsion paint for interior and exterior use - Plascon Pantone 172 or similar approved (Provisional)</u>			
1/14/9	Walls	m2	100	
	<u>Two coats superior quality acrylic emulsion paint for interior and exterior use - Plascon Pantone 382 or similar approved (Provisional)</u>			
1/14/10	Walls	m2	110	
	<b><u>ON METAL SURFACES</u></b>			
	<u>Spot priming bare metal surfaces, one coat alkyd based universal undercoat and two coats superior quality universal enamel paint</u>			
1/14/11	Door frames	m2	428	
1/14/12	Floor cupboards	m2	19	
1/14/13	Gates, grilles, burglar screens, balustrades, etc (both sides measured over the full flat area)	m2	24	
1/14/14	Steel staircase	m2	68	
	<b>Carried Forward</b>			R
	Section 1			
	Bill No. 14			
	PAINTWORK			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

<b>Brought Forward</b>			R
1/14/15	Double stacked power skirtings	m	609
<b><u>ON WOOD SURFACES</u></b>			
<u>Two coats superior quality acrylic emulsion paint for interior and exterior use</u>			
1/14/16	Doors	m2	514
1/14/17	Floor cupboards	m2	12
1/14/18	Wall cupboards	m2	4
<b>Carried Forward to Summary of Section No. 1</b>			R
Section 1			
Bill No. 14			
PAINTWORK			

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

Bill No	Section No. 1	Page No	Amount
	Section 1		
	<b><u>SECTION SUMMARY - Section 1</u></b>		
1/1	PRELIMINARIES	17	
1/2	ALTERATIONS	26	
1/3	WATERPROOFING	28	
1/4	CARPENTRY AND JOINERY	32	
1/5	CEILINGS, PARTITIONS AND ACCESS FLOORING	35	
1/6	FLOOR COVERINGS, WALL LININGS, ETC	37	
1/7	IRONMONGERY	43	
1/8	METALWORK	45	
1/9	TILING	47	
1/10	PLUMBING AND DRAINAGE	49	
1/11	ELECTRICAL WORK	51	
1/12	MECHANICAL WORK	54	
1/13	GLAZING	56	
1/14	PAINTWORK	60	
	<b>Carried to Final Summary</b>		R
	Section 1		

**CSIR**  
**Renovations on various CSIR buildings**  
**Revision #01**

Section No	<u>FINAL SUMMARY</u>	Page No		Amount
1	Section 1	61		
	CONTINGENCY 10%		R	
	Sub Total		R	
	Tax 15%		R	
	Sub Total		R	
	LESS: Credit for old materials	Item		
	<b>Carried to Form of Tender</b>		R	