

**NORTHERN CAPE DEPARTMENT OF HEALTH
ROBERT MANGALISO SOBUKWE - KIMBERLEY, NOTHERN CAPE
PROPOSED REPAIRS AND RENOVATIONS**

Item No	Quantity	Rate	Amount
<u>SECTION 1</u>			
<u>BILL NO.1</u>			
<u>PRELIMINARIES</u>			
<u>BUILDING AGREEMENT AND PRELIMINARIES</u>			
<p>The JBCC 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 JBCC Principal Building Agreement contract data form an integral part of this agreement</p> <p>The JBCC General Preliminaries (May 2018) published by the Joint Building Contracts Committee for use with the JBCC Principal Building Agreement (Edition 6.2 - May 2018) shall be deemed to be incorporated in these bills of quantities, amended as hereinafter described</p> <p>The contractor is deemed to have referred to the above mentioned 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 agreement such item is marked N/A signifying "not applicable"</p> <p>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 above mentioned documents</p>			
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PREAMBLES FOR TRADES

The General Preambles for Trades 2017 published by the Association of South African Quantity Surveyors is designed to support and extend the abbreviated descriptions utilised in these bills of quantities by inter alia referring to SANS construction standards. Where such preambles are not applicable (eg where BS or Euro construction standards are applicable or the design consultants provide other preambles/specifications for insertion), users are to ensure that the abbreviated descriptions when read in conjunction with the Standard System of Measuring Building Work (seventh edition) for works within South Africa or the Standard Method of Measuring Building Work for Africa 2015 (first edition) for works elsewhere in Africa, represent the full description by extending the abbreviated bills of quantities descriptions and/or by inserting appropriate preambles or specifications

Note that the text of the Standard System of Measuring Building Work (seventh edition) and that of the Standard Method of Measuring Building Work for Africa 2015 (first edition) is the same

The latest version of the General Preambles for Trades should be referred to should the General Preambles for Trades 2017 be revised in future

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

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

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STRUCTURE OF THIS PRELIMINARIES BILL

Section A : A recital of the headings of the individual clauses in the aforementioned JBCC Principal Building 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

PRICING OF PRELIMINARIES

The contractor is referred to Tender Data Section in BOOK 1 on the Tender Document for Contract Data Information.

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)

SECTION A: PRINCIPAL BUILDING AGREEMENT

- 1 Interpretation (A1-A7)
- 2 Clause 1.0 - Definitions and interpretation
- 3 **Pricing of bills of quantities**

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4	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		
5	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		
6	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		
7	<u>Abbreviated descriptions</u>		
8	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		
9	<u>Legal status of contractor</u>		
10	If the contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons then:		
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11	1. These persons are deemed to be jointly and severally liable to the employer for the performance of this agreement		
12	2. These persons shall notify the employer of their leader who has assigned authority to bind the contractor and each of these persons		
13	3. The contractor shall not alter its composition or legal status without the prior written consent of the employer		
14	F:..... V:..... T:.....	Item	
15	<u>Clause 2.0 - Law, regulations and notices</u>		
16	F:..... V:..... T:.....	Item	
17	<u>Clause 3.0 - Offer and acceptance</u>		
18	F:..... V:..... T:.....	Item	
19	<u>Clause 4.0 - Cession and assignment</u>		
20	F:..... V:..... T:.....	Item	
21	Clause 5.0 - Documents		
22	Value Added Tax		
23	Provision is made in the summary page of these bills of quantities for the inclusion of Value Added Tax (VAT)		
24	Electronic issue of drawings		
25	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 [5.6]		
26	F:..... V:..... T:.....	Item	
27	Clause 6.0 - Employer's agents		
28	Delegated authority		
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29	The authority of the principal agent to issue contract instructions [17.1] and perform duties for specific aspects of the works is delegated to agents as follows [6.2]. This does not preclude the principal agent from issuing such contract instructions:			
30	1. Architect			
31	Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA			
32	1.1 Duties [6.2] :			
33	The architect is responsible for the architectural design, functional design and quality inspection of the works			
34	1.2 Contract instructions [6.2; 17.1]			
35	1.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement			
36	1.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works			
37	1.2.3 The site [13.0]			
38	1.2.4 Compliance with the law, regulations and bylaws [2.1]			
39	1.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works			
40	1.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]			
41	1.2.7 Removal or re-execution of work			
42	1.2.8 Removal or substitution of any materials and goods			
43	1.2.9 Protection of the works			
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44	1.2.10 Making good physical loss and repairing damage to the works [23.2.2]			
45	1.2.11 Rectification of defects [21.2]			
46	1.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion			
47	1.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums			
48	1.2.14 Appointment of a subcontractor [14.0; 15.0]			
49	1.2.15 Work by direct contractors [16.0]			
50	1.2.16 On suspension or termination, protection of the works, removal of construction equipment and surplus materials and goods [29.0]			
51	2. Quantity surveyor			
52	2.1 Duties [6.2]			
53	The quantity surveyor is responsible for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions of the works			
54	2.2 Contract instructions [6.2; 17.1]			
55	2.2.1 No contract instructions delegated to the quantity surveyor			
56	3. Civil and structural engineer			
57	Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA			
58	3.1 Duties [6.2]			
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59	The civil and structural engineer is responsible for all aspects of civil and structural engineering design and quality inspection of the works		
60	3.2 Contract instructions [6.2; 17.1]		
61	3.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement		
62	3.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works		
63	3.2.3 The site [13.0]		
64	3.2.4 Compliance with the law, regulations and bylaws [2.1]		
65	3.2.5 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works		
66	3.2.6 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]		
67	3.2.7 Removal or re-execution of work		
68	3.2.8 Removal or substitution of any materials and goods		
69	3.2.9 Protection of the works		
70	3.2.10 Making good physical loss and repairing damage to the works [23.2.2]		
71	3.2.11 Rectification of defects [21.2]		
72	3.2.12 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion		
73	3.2.13 Expenditure of budgetary allowances, prime cost amounts and provisional sums		
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74	4. Mechanical engineer	
75	Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA	
76	4.1 Duties [6.2]	
77	The mechanical engineer is responsible for all aspects of mechanical engineering design and quality inspection of the works ? and, where appointed by the employer for quantity surveying services in respect of the mechanical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions	
78	4.2 Contract instructions [6.2; 17.1]	
79	4.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement	
80	4.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	
81	4.2.3 Compliance with the law, regulations and bylaws [2.1]	
82	4.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works	
83	4.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]	
84	4.2.6 Removal or re-execution of work	
85	4.2.7 Removal or substitution of any materials and goods	
86	4.2.8 Protection of the works	
87	4.2.9 Making good physical loss and repairing damage to the works [23.2.2]	
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88	4.2.10 Rectification of defects [21.2]		
89	4.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion		
90	4.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums		
91	5. Electrical engineer		
92	Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA		
93	5.1 Duties [6.2]		
94	The electrical engineer is responsible for all aspects of electrical engineering design and quality inspection of the works and, where appointed by the employer for quantity surveying services in respect of the electrical installations, for all measurements, valuations, financial assessments and all other quantity surveying and cost control functions		
95	5.2 Contract instructions [6.2; 17.1]		
96	5.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement		
97	5.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works		
98	5.2.3 Compliance with the law, regulations and bylaws [2.1]		
99	5.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works		
100	5.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]		
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101	5.2.6 Removal or re-execution of work	
102	5.2.7 Removal or substitution of any materials and goods	
103	5.2.8 Protection of the works	
104	5.2.9 Making good physical loss and repairing damage to the works [23.2.2]	
105	5.2.10 Rectification of defects [21.2]	
106	5.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion	
107	5.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums	
108	6. Wet services engineer	
109	Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA	
110	6.1 Duties [6.2]	
111	The wet services engineer is responsible for all aspects of wet services engineering design and quality inspection of the works	
112	6.2 Contract instructions [6.2; 17.1]	
113	6.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement	
114	6.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	
115	6.2.3 Compliance with the law, regulations and bylaws [2.1]	
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116	6.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works	
117	6.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]	
118	6.2.6 Removal or re-execution of work	
119	6.2.7 Removal or substitution of any materials and goods	
120	6.2.8 Protection of the works	
121	6.2.9 Making good physical loss and repairing damage to the works [23.2.2]	
122	6.2.10 Rectification of defects [21.2]	
123	6.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion	
124	6.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums	
125	7. Fire consultant	
126	Note that the contract instructions hereinafter are selected from those listed in clause 17.1 of the JBCC PBA	
127	7.1 Duties [6.2]	
128	The fire consultant is responsible for all aspects of rational fire design and quality inspection of the works	
129	7.2 Contract instructions [6.2; 17.1]	
130	7.2.1 Rectification of discrepancies, errors in description or quantity or omission of items in the agreement other than in the JBCC Principal Building Agreement	
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131	7.2.2 Alteration to design, standards or quantity of the works provided that such contract instructions shall not substantially change the scope of the works	
132	7.2.3 Compliance with the law, regulations and bylaws [2.1]	
133	7.2.4 Provision and testing of samples of materials and goods and/or of finishes and assemblies of elements of the works	
134	7.2.5 Opening up of work for inspection, removal or re-execution [23.2.4; 26.4.2]	
135	7.2.6 Removal or re-execution of work	
136	7.2.7 Removal or substitution of any materials and goods	
137	7.2.8 Protection of the works	
138	7.2.9 Making good physical loss and repairing damage to the works [23.2.2]	
139	7.2.10 Rectification of defects [21.2]	
140	7.2.11 A list for practical completion specifying outstanding or defective work to be rectified to achieve practical completion, a list for completion and a list for final completion specifying outstanding or defective work to be rectified to achieve final completion	
141	7.2.12 Expenditure of budgetary allowances, prime cost amounts and provisional sums ?	
142	8. Health and safety consultant	
143	8.1 Duties [6.2]	
144	The health and safety consultant is responsible for all aspects of health and safety of the works. Without derogating from the generality thereof, the health and safety consultant will perform the following specific functions and duties in respect of the health and safety aspects of the works. He shall:	
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145	8.1.1 Act as the employer's agent in terms of the Construction Regulations issued in terms of the Occupational Health and Safety Act,1993 as amended	
146	8.1.2 Prepare and update the health and safety specification for the works	
147	8.1.3 Agree with the contractor the health and safety plan for the works	
148	8.1.4 Carry out regular audits to ensure adherence to the safety plan and compliance with the act and regulations	
149	8.1.5 Stop the execution of the works where the agreed specification or plan is not adhered to	
150	F:..... V:..... T:.....	Item
151	Clause 7.0 - Design responsibility	
152	F:..... V:..... T:.....	Item
153	Insurances and securities (A8-A11)	
154	Clause 8.0 - Works risk	
155	F:..... V:..... T:.....	Item
156	Clause 9.0 - Indemnities	
157	F:..... V:..... T:.....	Item
158	Clause 10.0 - Insurances	
159	F:..... V:..... T:.....	Item
160	Clause 11.0 - Securities	
161	Guarantee for payment	
162	The employer shall not provide to the contractor a guarantee for payment [11.5.1]. The contractor shall waive his lien or right of continuing possession of the works [11.10]	
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163	Extension of waiver of lien		
164	The contractor shall ensure that a waiver of lien 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 [11.10]		
165	F:..... V:..... T:.....	Item	
166	Execution (A12 - A17)		
167	Clause 12.0 - Obligations of the parties		
168	Office accommodation		
169	The contractor shall provide, maintain and remove on practical completion air ventilated 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 [12.2.18]		
170	Notice board		
171	The contractor shall erect a notice board. No subcontractor or supplier notice boards may be erected unless permission is granted by the principal agent for such notice boards to be erected [12.2.18]		
172	Statutory and other notices		
173	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		
174	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		
175	F:..... V:..... T:.....	Item	
176	Clause 13.0 - Setting out		
177	F:..... V:..... T:.....	Item	
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178	Clause 14.0 - Nominated subcontractors		
179	F:..... V:..... T:.....	Item	
180	Clause 15.0 - Selected subcontractors		
181	F:..... V:..... T:.....	Item	
182	Clause 16.0 - Direct contractors		
183	Attendance on direct contractors		
184	In respect of direct contractors the contractor shall:		
185	1. Designate an area for the direct contractor to establish a temporary office and workshop and storage of equipment and materials		
186	2. Allow the use of personnel welfare facilities, where provided		
187	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		
188	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 [16.1]		
189	F:..... V:..... T:.....	Item	
190	Clause 17.0 - Contract instructions		
191	Site instructions		
192	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		
193	F:..... V:..... T:.....	Item	
194	Completion (A18 - A24)		
195	Clause 18.0 - Interim completion		
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196	Clause 19.0 - Practical completion		
197	F:..... V:..... T:.....	Item	
198	Clause 20.0 - Completion in sections		
199	F:..... V:..... T:.....	Item	
200	Clause 21.0 - Defects liability period and final completion		
201	F:..... V:..... T:.....	Item	
202	Clause 22.0 - Latent defects liability period		
203	F:..... V:..... T:.....	Item	
204	Clause 23.0 - Revision of the date for practical completion		
205	Substitution of materials and goods		
206	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 [17.1.8; 23.1 & 2]		
207	F:..... V:..... T:.....	Item	
208	Clause 24.0 - Penalty for late or non-completion		
209	F:..... V:..... T:.....	Item	
210	Payment (A25 - A27)		
211	Clause 25.0 - Payment		
212	Prices submitted		
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213	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		
214	F:..... V:..... T:.....	Item	
215	Clause 26.0 - Adjustment of the contract value and final account		
216	Fluctuations in costs		
217	All fluctuations in costs, with the exception of fluctuations in the rate of Value Added Tax, shall be for the account of the contractor [26.9.5]		
218	Tenant installation/user requirements delayed		
219	There is a possibility that certain works related to tenant installation/user requirements may have to be delayed and may consequently not be executed prior to practical completion		
220	Should the contractor be instructed to do so he shall execute this work under the conditions pertaining to this agreement on the basis that a separate amount for preliminaries appurtenant to this work (if applicable) is agreed to between the contractor and the principal agent and on condition that instruction to proceed with such work is given to him within a period of three (3) calendar months after the date of practical completion of the works		
221	The employer reserves the right to omit such work without compensation to the contractor for loss of profit or any other loss which the contractor may suffer as a result of such omission		
222	Cost of claims		
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223	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 [30.6 & 7] from making a determination on costs		
224	Claims from subcontractors		
225	The contractor shall review, assess and adjudicate any claims received by him from any subcontractor and thereafter submit same to the principal agent with a recommendation in order to assist the principal agent in adjudicating the claim [26.6]		
226	F:..... V:..... T:.....	Item	
227	Clause 27.0 - Recovery of expense and/or loss		
228	F:..... V:..... T:.....	Item	
229	Suspension and termination (A28 - A29)		
230	Clause 28.0 - Suspension by the contractor		
231	F:..... V:..... T:.....	Item	
232	Clause 29.0 - Termination		
233	F:..... V:..... T:.....	Item	
234	Dispute resolution (A30)		
235	Clause 30.0 - Dispute resolution		
236	F:..... V:..... T:.....	Item	
237	Agreement		
238	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		
239	F:..... V:..... T:.....	Item	
240	Contract data		
	Carried Forward		R
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	Brought Forward		R
241	Amendments, modifications, corrections or supplements to the General Preliminaries in Section B should be recorded in the contract data		
	<u>SECTION B: JBCC PRELIMINARIES</u>		
242	Definitions and interpretation (B1)		
243	Clause 1.1 - Definitions		
244	F:..... V:..... T:.....	Item	
245	Clause 1.2 - Interpretation		
246	F:..... V:..... T:.....	Item	
247	Documents (B2)		
248	Clause 2.1 - Checking of documents		
249	F:..... V:..... T:.....	Item	
250	Clause 2.2 - Provisional bills of quantities		
251	These bills of quantities are provisional		
252	F:..... V:..... T:.....	Item	
253	Clause 2.3 - Availability of construction information		
254	F:..... V:..... T:.....	Item	
255	Clause 2.4 - Ordering of materials and goods		
256	F:..... V:..... T:.....	Item	
257	Previous work and adjoining properties (B3)		
258	Clause 3.1 - Previous work - dimensional accuracy		
259	F:..... V:..... T:.....	Item	
260	Clause 3.2 - Previous work - defects		
261	F:..... V:..... T:.....	Item	
	Carried Forward		R
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Brought Forward			R
262	Clause 3.3 - Inspection of adjoining properties		
263	F:..... V:..... T:.....	Item	
264	The site (B4)		
265	Clause 4.1 - Handover of site in stages		
266	F:..... V:..... T:.....	Item	
267	Clause 4.2 - Enclosure of the works		
268	Enclosure of work to be as prescribed by the Architect. in the absence of prescribed specification the contractor to allow as per the regulations		
269	F:..... V:..... T:.....	Item	
270	Clause 4.3 - Geotechnical and other investigations		
271	F:..... V:..... T:.....	Item	
272	Clause 4.4 - Encroachments		
273	F:..... V:..... T:.....	Item	
274	Clause 4.5 - Existing premises occupied		
275	F:..... V:..... T:.....	Item	
276	Clause 4.6 - Services - known		
277	F:..... V:..... T:.....	Item	
278	Management of contract (B5)		
279	Clause 5.1 - Management of the works		
280	F:..... V:..... T:.....	Item	
281	Clause 5.2 - Progress meetings		
282	F:..... V:..... T:.....	Item	
283	Clause 5.3 - Technical meetings		
Carried Forward			R
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Brought Forward		R
284	F:..... V:..... T:.....	Item
285	Samples, shop drawings and manufacturer's instructions (B6)	
286	Clause 6.1 - Samples of materials	
287	F:..... V:..... T:.....	Item
288	Clause 6.2 - Workmanship samples	
289	F:..... V:..... T:.....	Item
290	Clause 6.3 - Shop drawings	
291	F:..... V:..... T:.....	Item
292	Clause 6.4 - Compliance with manufacturer's instructions	
293	F:..... V:..... T:.....	Item
294	Deposits and fees (B7)	
295	Clause 7.1 - Deposits and fees	
296	F:..... V:..... T:.....	Item
297	Temporary services (B8)	
298	Clause 8.1 - Water	
299	F:..... V:..... T:.....	Item
300	Clause 8.2 - Electricity	
301	F:..... V:..... T:.....	Item
302	Clause 8.3 - Ablution and welfare facilities	
303	F:..... V:..... T:.....	Item
304	Clause 8.4 - Communication facilities	
305	F:..... V:..... T:.....	Item
Carried Forward		R
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	Brought Forward		R	
306	Prime cost amounts (B9)			
307	Clause 9.1 - Responsibility for prime cost amounts			
308	F:..... V:..... T:.....	Item		
309	Attendance on subcontractors (B10)			
310	Clause 10.1 - General attendance			
311	General attendance is defined as being the duties of the contractor in terms of clause 12.2 of the JBCC n/s subcontract agreement			
312	F:..... V:..... T:.....	Item		
313	General (B11)			
314	Clause 11.1 - Protection of the works			
315	F:..... V:..... T:.....	Item		
316	Clause 11.2 - Protection/isolation of existing works and works occupied in sections			
317	F:..... V:..... T:.....	Item		
318	Clause 11.3 - Security of the works			
319	F:..... V:..... T:.....	Item		
320	Clause 11.4 - Notice before covering work			
321	F:..... V:..... T:.....	Item		
322	Clause 11.5 - Disturbance			
323	Disturbance			
	Carried Forward		R	
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Brought Forward		R
324	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	
325	F:..... V:..... T:.....	Item
326	Clause 11.6 - Environmental disturbance	
327	Controlling all forms of pollution	
328	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	
329	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	
330	F:..... V:..... T:.....	Item
331	Clause 11.7 - Works cleaning and clearing	
332	F:..... V:..... T:.....	Item
333	Clause 11.8 - Vermin	
334	F:..... V:..... T:.....	Item
335	Clause 11.9 - Overhand work	
336	F:..... V:..... T:.....	Item
337	Clause 11.10 - Tenant installations	
338	F:..... V:..... T:.....	Item
Carried Forward		R
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	Brought Forward		R
339	Clause 11.11 - Advertising		
340	F:..... V:..... T:.....	Item	
	<u>SECTION C: SPECIFIC PRELIMINARIES</u>		
341	Warranties for materials and workmanship		
342	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		
343	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		
344	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		
345	F:..... V:..... T:.....	Item	
346	Overtime		
347	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		
348	F:..... V:..... T:.....	Item	
349	Cooperation of the contractor for cost management		
	Carried Forward		R
	Section No. 1 Bill No. 1 PRELIMINARIES		

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	Brought Forward		R
350	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		
351	F:..... V:..... T:.....	Item	
352	Overloading		
353	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		
354	F:..... V:..... T:.....	Item	
355	Propping of floors below		
356	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		
357	F:..... V:..... T:.....	Item	
358	Testing of flat roof waterproofing for watertightness		
359	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		
	Carried Forward		R
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Brought Forward		Item	R
360	F:..... V:..... T:.....		
361	Health and safety		
362	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]		
363	The contractor shall:		
364	1. Comply with the health and safety specification for the works		
365	2. Prepare and agree with the health and safety consultant the health and safety plan for the works		
366	3. Cooperate with the health and safety consultant in all respects		
367	4. Manage the compliance of all subcontractors with the regulations and with the health and safety plan and specification		
368	5. Conform to the conditions contained in the employer's health and safety specification		
369	F:..... V:..... T:.....	Item	
370	Broad based black economic empowerment (BBBEE)	N/A	
371	Tenders submitted will be evaluated taking into account their empowerment rating		
372	The employer will be monitoring the broad based black economic empowerment (BBBEE) status of the contractor throughout the execution of the works		
Carried Forward			R
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Brought Forward		R
373	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	
374	F:..... V:..... T:.....	Item
375	Advertising rights	
376	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	
377	F:..... V:..... T:.....	Item
378	Confidentiality	
379	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	
380	No information regarding this project shall be published or disclosed without the prior written consent of the employer	
381	F:..... V:..... T:.....	Item
382	Media releases	
383	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	
384	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	
Carried Forward		R
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	Brought Forward		R
385	F:..... V:..... T:.....	Item	
386	<p>C1 CONTRACT DRAWINGS</p> <p>The drawings issued with the tender documents do not comprise the complete set but serve as a guide only for tendering purposes and for indicating the scope of the work to enable the tenderer to acquaint himself with the nature and extent of the works and the manner in which they are to be executed.</p> <p>Should any part of the drawings not be clearly understood by the tenderer he shall, before submitting his tender, obtain clarification in writing from the principal agent.</p> <p>F:..... V:..... T:.....</p>	Item	
387	<p>C2 GENERAL PREAMBLES</p> <p>The document "Specification of Materials and Methods to be used (PW371)" is obtainable on request from the head office and all regional offices of the Department, and shall be read in conjunction with the bills of quantities / lump sum document and be referred to for the full descriptions of work to be done and materials to be used.</p> <p>F:..... V:..... T:.....</p>	Item	
388	<p>C3 TRADE NAMES</p> <p>Wherever a trade name for any product has been described in the bills of quantities / lump sum documents, the tenderer's attention is drawn to the fact that any other product of equal quality may be used subject to the written approval of the principal agent being obtained prior to the closing date for submission of tenders.</p> <p>If prior written approval for an alternative product is not obtained, the product described shall be deemed to have been tendered for.</p> <p>F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
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	Brought Forward		R
389	<p>C4 IMPORTED MATERIALS AND EQUIPMENT</p> <p>Where imported items are listed in the tender documents, the tenderer shall provide all the information called for, failing which the price of any such item, materials or equipment shall be excluded from currency fluctuations. (refer to Schedule of Imported Materials and Equipment to be completed by tenderer).</p> <p>Notwithstanding any provisions elsewhere regarding the adjustment of contract prices, the price of any item, material or equipment listed in terms of this clause shall be excluded from the Contract Price Adjustment Provisions (if applicable). F:..... V:..... T:.....</p>	Item	
390	<p>C5 VIEWING THE SITE IN SECURITY AREAS</p> <p>The tenderer must arrange with the responsible officer to obtain permission to enter the site for tendering purposes F:..... V:..... T:.....</p>	N/A	
391	<p>C6 COMMENCEMENT OF WORKS IN SECURITY AREAS</p> <p>As the works falls within a security area the contractor must give the unit commander or other responsible officer notice before commencement of the works. Should the contractor fail to make such arrangements, admission to the site may be refused and any additional costs will be for the contractor's account.</p> <p>Fixed:___ Value related:_____ Time related:_____</p>	N/A	
392	<p>C7 ENTRANCE PERMITS TO SECURITY AREAS</p> <p>IF the works falls within a security area the contractor shall obtain entrance permits for his personnel and workmen entering the area and shall comply with all regulations and instructions which may be issued from time to time regarding the protection of persons and property under the control of the Defence Force, Police or chief security officer.</p> <p>Fixed:___ Value related:_____ Time related:_____</p>	N/A	
	Carried Forward		R
	Section No. 1 Bill No. 1 PRELIMINARIES		

	Brought Forward		R
393	<p>C8 SECURITY CHECK OF PERSONNEL</p> <p>The principal agent may require the contractor to have his personnel and workmen, or a certain number of them, security classified.</p> <p>In the event of the principal agent requesting the removal of a person or persons from the works for security reasons, the contractor shall do so forthwith and shall thereafter ensure that such person or persons are denied access to the works and the site and/or to any document or information relating to the works. F:..... V:..... T:.....</p>	N/A	
394	<p>C9 PROHIBITION ON TAKING OF PHOTOGRAPHS</p> <p>In terms of article 119 of the Defence Act, 44 of 1957, it is prohibited to sketch or to take photographs of any military site or installation or any building or civil works thereon or to be in possession of a camera or other apparatus used for taking of photographs except when authorized thereto by or on behalf of the Minister.</p> <p>The same prohibition is also applicable to all correctional institutions in terms of article 44.1(e) of the Correctional Services Act 8 of 1959. F:..... V:..... T:.....</p>	N/A	
	Carried Forward		R
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Brought Forward

R

C10 HIV/AIDS AWARENESS

It is required of the **contractor** to thoroughly study the HIV/AIDS Specification (PW1544) of the Department that must be read together with and is deemed to be incorporated under this Section of the **bills of quantities / lump sum document**. Provision for pricing of HIV/AIDS awareness is made under items C10.1 to C10.5 hereafter and it is explicitly pointed out that all requirements of the aforementioned specification are deemed to be priced hereunder, as the said items represent the only method of measurement and no additional items or extras to the contract in this regard shall be entertained.

The **contractor** must take note that compliance with the HIV/AIDS Specification is compulsory. In the event of partial or total non-compliance, the **principal agent**, notwithstanding the provisions of Clause A 31.0 or any other clause to the contrary, reserves the right to delay issuing any progress **payment certificate** until the **contractor** provides satisfactory proof of compliance. The **contractor** shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.

395 **C10.1 AWARENESS CHAMPION**

Selection, appointment, briefing and making available of an Awareness Champion including provision of all relevant services, all in accordance with the HIV/AIDS Specification.

F:..... V:..... T:.....

Item

396 **C10.2 AWARENESS WORKSHOPS**

Selection and appointment of a competent Service Provider approved by the **principal agent**, provision of a Service Provider Workshop Plan and a suitable venue, conducting of awareness workshops by means of traditional and/or modern multi-media techniques, including follow-up courses, making available all tuition material and performing assessment procedures, all in accordance with the HIV/AIDS Specification.

F:..... V:..... T:.....

Item

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R

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	Brought Forward		R
397	<p>C10.3 POSTERS, BOOKLETS, VIDEOS, ETC.</p> <p>Provision, displaying, maintaining and replacing when necessary of four plastic laminated posters, booklets and educational videos, etc. for the duration of the construction period, all in accordance with the HIV/AIDS Specification. F:..... V:..... T:.....</p>	Item	
398	<p>C10.4 ACCESS TO CONDOMS</p> <p>Provision and maintenance of condom dispensers fixed in position, including male and female condoms, replenishing male and female condoms on a daily basis as required for the duration of the construction period, all in accordance with the HIV/AIDS Specification. F:..... V:..... T:.....</p>	Item	
399	<p>C10.5 MONITORING</p> <p>Monitoring HIV/AIDS awareness of workers, providing the principal agent with access to information including making available all reports, thoroughly completed and reflecting the correct information, for the duration of the construction period and close out, all in accordance with the HIV/AIDS Specification. F:..... V:..... T:.....</p>	Item	
	Carried Forward		R
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<p style="text-align: center;">Brought Forward</p> <p>C11 OCCUPATIONAL HEALTH AND SAFETY ACT</p> <p>The contractor shall comply with all the requirements set out in the Construction Regulations, 2014 issued under the Occupational Health and Safety Act, 1993 (Act No 85 of 1993).</p> <p>It is required of the contractor to thoroughly study the Health and Safety Specification that must be read together with and is deemed to be incorporated under this Section of the bills of quantities / lump sum document.</p> <p>The contractor must take note that compliance with the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is compulsory. In the event of partial or total non compliance, the principal agent, notwithstanding the provisions of clause A31.0 of Section A or any other clause to the contrary, reserves the right to delay issuing any progress payment certificate until the contractor provides satisfactory proof of compliance. The contractor shall not be entitled to any compensation of whatsoever nature, including interest, due to such delay of payment.</p> <p>Provision for pricing of the Occupational Health and Safety Act, Construction Regulations and Health and Safety Specification is made under this clause and it is explicitly pointed out that all requirements of the aforementioned are deemed to be priced hereunder and no additional claims in this regard shall be entertained.</p> <p>Prices to Allow for:</p> <ol style="list-style-type: none"> 1. Principal Contractor 2. All Sub-contractors 3. SMME Sub-contractors <p>The contractor is referred to the specifications annexed to this tender documents for comprehensive pricing F:..... V:..... T:.....</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		R	

	Brought Forward		R
400	<p>C12 REPORTING BY CONTRACTOR</p> <p>The Contractor is required to complete the CONTRACTOR MONTHLY REPORT which is to be submitted together with the Contractor's payment claim. Payment of the Contractor is conditional on this information being accurate and timeously provided. Payment shall be subject to the Employer giving the Contractor a tax invoice for the amount due. The Contractor is to take note of the following requirements -At the bottom of the CONTRACTOR MONTHLY REPORT, the Site Agent, Clerk of Works, CLO or Contractor must sign the document as proof that the people indicated have worked the number of days</p> <p>F:..... V:..... T:.....</p>	Item	
401	<p>C13 LOCAL LABOUR AND LOCAL BUILDING MATERIALS</p> <p>It is a general requirement of this contract that persons normally resident in the locality of the works (local labour) be given preference for employment on the contract. Should adequate and appropriate labour not be available within the locality, other labour may be employed subject to satisfactory proof being provided that every reasonable endeavour has been made to employ local labour. The contractor shall identify the local community leaders with the purpose of negotiating with them regarding the utilisation of local labour in the construction process. The contractor shall furthermore give preference, wherever possible to the employment of single heads of households, women and youth. The contractor shall, in general, maximise the involvement of the local community.</p>	Item	
	Carried Forward		R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>		

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	Brought Forward			R
402	<p>C14 LOCAL BUILDING MATERIALS</p> <p>Preference shall be given to the supply of materials produced or manufactured in the Eastern Cape Province provided that:</p> <p>(a) Such materials comply in all respects with the specific requirements of PW371 specification.</p> <p>(b) The availability of such materials shall not adversely affect the desired progress of the specific works.</p> <p>(c) The use of such materials shall not constitute grounds for any claim for increased cost in respect thereof.</p> <p>F:..... V:..... T:.....</p>		Item	
403	<p>C15 ADMINISTRATION</p> <p>The Contractor must allow for all costs (including any profit and/or attendance) associated with the administration, appointment, training and/or payment of the CLO, Candidate Professionals, Students, EPWP Beneficiaries, APTCOD Learners, Clerk of Works and Steering Committee Members as applicable and included in this tender document. This item must be priced within rates or preliminaries, there is no separate line item for this (refer to PROVISIONAL SUMS & SOCIAL SECTIONS OF THIS BOQ)</p> <p>No additional claims in this regard shall be entertained.</p> <p>F:..... V:..... T:.....</p>		Item	
	Carried Forward			R
	<p>Section No. 1 Bill No. 1 PRELIMINARIES</p>			

404

Brought Forward

R

C16 EMPLOYMENT OF SMME CONTRACTORS AS "SUB-CONTRACTORS" TO THE PRINCIPAL CONTRACTOR

The Tenderers must allow for all costs applicable that they may feel will be associated with the successful integration, development of and completion of SMME Sub-contractors' work to the approval of the Principal Agent on this project.

*Approximately 33% of the project value **must** be allocated to SMME Sub-contractors. Successful contractor will be required to supply verified monthly statements/schedules (verified by their auditors) indicating the % achieved for that month. A cumulative schedule also needs to be maintained for each month that has passed.*

Failure by a main contractor/service provider to comply with the provisions of this policy in respect of meaningful participation of SMME's, will result in the application of a penalty.

The penalty applicable will be equal to the value of the shortfall.

*Any additional costs that the Tenderers may deem applicable due to the use and implementation of 40% of SMME Subcontractors programme, including the following but not limited to should be allowed for in this item (**Clause C16**), no claim for any additional costs attributable to the incorporation and development of SMME Sub-contractors on this project will be entertained after the tenders are submitted.*

1. Contractor's profit & Attendance
2. SMME's preliminaries & General including OHS

F:..... V:..... T:.....

Item

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	Brought Forward		R
405	<p>C17 SMME CONSTRUCTION MENTOR Provision for pricing for the employment, on a full time basis for the duration of the contract, an SMME Construction Mentor. All costs associated with the completion of the SMME Construction Mentor duties, provision of office facilities and tools of trade are deemed to be priced hereunder. No additional claims in this regard shall be entertained. The above is in strict accordance with the Specification for the Employment of SMME Sub-contractors and all costs should be included in this item for the employment of the Mentor.</p> <p>F:..... V:..... T:.....</p> <p><u>SUMMARY OF CATEGORIES</u></p>		
406	Category : Fixed R.....		
407	Category : Value R.....		
408	Category : Time R.....		
Carried to Final Summary			R
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PROPOSED REPAIRS AND RENOVATIONS**

Item No	Quantity	Rate	Amount
<p><u>Bill No. 1</u></p> <p><u>ALTERATIONS</u></p> <p><u>TRADE PREAMBLES</u></p> <p><u>Trade Preambles:</u></p> <p>For Trade Preambles refer to 'Model Preambles for Trades' (2008 edition) for the full descriptions of material to be used and work to be done in this Bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary items or materials:</u></p> <p>Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Principal Agent.</p> <p><u>National treasury designated sectors instructions:</u></p> <p>Only locally produced or locally manufactured products and components for construction with a stipulated minimum thresholds as set out in the National Treasury Designated Sectors must be complied with and the tenderers must complete returnable document 'Declaration Certificate For Local Production and content For Designated Sectors SBD 6.2' included in T2.2.14 included in Volume 2 of these tender/ contract documents documents.</p> <p>Tenderers/ contractors are to ensure they are conversant the the National Treasury Designated Sector legislation and ensure their pricing complies with it. No claims in respect of the National Treasury Designated Sectors legislation will be entertained.</p>			
<p>Carried Forward</p>		R	
<p>Section No. 2 Bill No. 1 ALTERATIONS</p>			

**NORTHERN CAPE DEPARTMENT OF HEALTH
ROBERT MANGALISO SOBUKWE - KIMBERLEY, NOTHERN CAPE
PROPOSED REPAIRS AND RENOVATIONS**

<p style="text-align: center;">Brought Forward</p> <p><u>View Site:</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained.</p> <p><u>Explosives:</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated.</p> <p><u>General:</u></p> <p>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 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>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the Principal Agent.</p> <p>Doors, fanlights, fittings, frames, linings, etc. which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehangng, cramping up, re-wedging as required and making good cramps, dowels, etc., and easing, 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>R</p>
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 1 ALTERATIONS</p>				<p>R</p>

**NORTHERN CAPE DEPARTMENT OF HEALTH
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PROPOSED REPAIRS AND RENOVATIONS**

Brought Forward			R
Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc. and making good floor and wall finishes to match existing			
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.			
Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary.			
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.).			
<u>TEMPORARY BARRIERS, SCREENS, ETC</u>			
<u>Temporary barriers, screens, etc. including removal:</u>			
1 Hoarding 2440mm high formed of 2200mm high x 100mm diameter gum poles embedded 400mm into ground and 2500mm centres with timber purlins horizontal at 600mm centres to form a frame nailed upon gum poles with 9mm thick shatter board including excavating, backfilling, compacting, etc., complete including maintenance, reuse and removal thereof on completion.	m	100	
2 Extra over for 3600mm x 2440mm farm gate fitted and screwed to post	No	1	
<u>Taking out and removing doors, frames, gates, etc., including thresholds, sills, etc., and including setting up and building in new timber door frame and making good facings to match existing both sides and into reveals:</u>			
3 Existing 900mm x 2100mm timber doors complete with ironmongery	No	20	
4 Ditto, for existing door frames	No	20	
Carried Forward			R
Section No. 2 Bill No. 1 ALTERATIONS			

NORTHERN CAPE DEPARTMENT OF HEALTH
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Brought Forward			R
<u>Taking down fascias, barge boards, gutters and rainwater pipes e.t.c. including carting away to a dump site located by Contractor:</u>			
5	Existing steel gutters complete with brackets	m	450
6	Existing downpipes complete with brackets	m	26
7	Existing fascia boards	m	25
8	Existing barge boards	m	30
<u>Hacking up and removing granolithic, screeds, plaster, e.t.c from concrete or brickwork and preparing surfaces for new screeds, plaster, etc including carting away to a dump site located by Contractor</u>			
9	Existing floor screeds, roof screeds, e.t.c	m2	1,125
<u>Hacking up and removing ceramic tiles including removing mortar bed or adhesive from concrete or brickwork and preparing surfaces for new screed, plaster, tile finish, e.t.c including carting away to a dump site located by Contractor</u>			
10	Existing floor tiles	m2	251
<u>Taking out and removing sanitary fittings, tanks, geysers, e.t.c, including disconnecting from pipes, traps, e.t.c and making good floor and wall finishes (making good tiling and paintwork elsewhere) including carting away to a dump site located by Contractor:</u>			
11	Wash hand basin	No	9
12	Water Closet including pan, cistern, flush pipe, e.t.c.	No	11
13	Shower stalls	No	11
14	Urinal complete with traps, flush pipe, e.t.c.	No	3
<u>MAKING GOOD FINISHES</u>			
Carried Forward			R
Section No. 2 Bill No. 1 ALTERATIONS			

NORTHERN CAPE DEPARTMENT OF HEALTH
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 PROPOSED REPAIRS AND RENOVATIONS

Brought Forward			R
<u>Making good to existing granolithic screeds:</u>			
15	Floors in patches to entrance incl. preparatory work	m2	98
<u>Making good to internal cement plaster:</u>			
16	In patches internally	m2	10
<u>REPAIRING AND MAKING GOOD TO EXISTING WORK</u>			
<u>Replacing of waterproofing to concrete roofs and leaving a perfect water tight condition:</u>			
17	Existing concrete roofs	m2	437
<u>Inspect and identify leaks to existing roofs including the securing and tightening of screws, closing up, sealing of leaks e.t.c to roof sheets and leave in perfect water tight condition.:</u>			
18	Existing corrugated roof sheeting	m2	1,457
<u>Inspect, identify and service all existing windows, doors for any loose, missing handles, peg stays e.t.c. tighten, replace and leave in perfect working order:</u>			
19	Existing windows	No	96
20	Existing steel double doors	No	5
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 1			
ALTERATIONS			

**NORTHERN CAPE DEPARTMENT OF HEALTH
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Item No	Quantity	Rate	Amount
<p><u>Bill No. 2</u></p> <p><u>CARPENTRY AND JOINERY</u></p> <p><u>TRADE PREAMBLES</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (1999 Edition), the Department of Public Works document No. OW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated at the front of these Bills of Quantities.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Proprietary products in descriptions:</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>Prefabricated roof trusses:</u></p> <p>Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturer's as approved by the Architect.</p> <p>Prices must include for all cross and windbracing according to the manufacturer's instruction.</p> <p>Prices must include for the design, plans and approval of all timber trusses and no claim shall be considered.</p> <p>Pre-fabricated timber roof trusses shall comply with the requirements of SABS Specification 0163 and be constructed of South African pine as described in clause 8.5 to the designs shown on the Manufacturer's detail drawings. The timber shall be of cross-sectional dimensions shown, cut to correct lengths with ends square or at the required angle.</p>			
<p>Carried Forward</p>		R	
<p>Section No. 2 Bill No. 2 CARPENTRY AND JOINERY</p>			

<p style="text-align: center;">Brought Forward</p> <p>Trusses shall be assembled in truss fabricating jigs with the truss having the proper camber, all tightly clamped together with joints secured using approved connector plates of galvanised steel sheet. Connector plates shall be pressed into the timber simultaneously from both sides of the truss with a hydraulic press capable of exerting such pressure as will ensure complete penetration of the teeth into the timber.</p> <p>The connector plates shall be of such size as will ensure that the joints so made will adequately withstand the forces exerted on the joints.</p> <p>In coastal areas connector plates in buildings without ceilings shall be painted with two coats of epoxy tar complying with SABS Specification 801 Type 2, or rust neutralising paint.</p> <p>Approval of pre-fabricated roofing systems, whether measured as an alternative or not, shall be subject to the following requirements:</p> <p>(a) The Manufacturer of the pre-fabricated trusses shall hold a certificate of competence issued by the Insitute for Timber Construction.</p> <p>(b) A polyester print, size A1 having a minimum thickness of 0,5mm, shall be submitted by the Contractor to the Regional Representative at an early stage for approval by the Directorate: Structural Engineering Services.</p> <p>(c) The drawings shall be signed by a Registered Professional Engineer whose name appears on the Departmental panel for structural work.</p> <p>(d) In the case of systems buildings, approval shall be given with submission of the contract drawings on acceptance of the tender.</p> <p>The following minimum information shall be shown on the drawings:</p> <p>(a) Details of the roof system with the position of the rafters and purlins indicated thereon as well as typical elevations.</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 2 CARPENTRY AND JOINERY</p>		R	

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Brought Forward			R
<p>(b) Bracing as recommended by the Institute for Timber Construction.</p> <p>(c) Sizes and grading of the timber components.</p> <p>(d) Truss sizes, e.g. height of ridge or angle of pitch.</p> <p>(e) Plate sizes for every construction point. (Code numbers only are deemed insufficient).</p> <p>(f) Seperate connection details for hip, valley and jack rafters.</p> <p>(g) Maximum spacing for purlins and brandering to ceilings shall be according to Subclauses 7.6.1 and 7.6.2 and Clauses 7.8, 7.9 and 9.5.</p> <p>(h) The type of roof covering as well as the design load. Over and above the supervision undertaken by the Representative / Agent, the Truss Fabricator or his Design Engineer shall inspect the completed roof structure and issue a certificate of confirmation to the Department that:</p> <p style="padding-left: 40px;">"The roof structure(s) has (have) been erected in accordance with the Design Engineer's drawings, as accepted by the Department, and the relevant details given in the manual "THE ERECTION AND BRACING OF TIMBER ROOF TRUSSES" issued by the National Timber Research Institute and the Institute for Timber Construction".</p> <p><u>Joinery:</u></p> <p>Descriptions of frames shall be deemed to include frames, transomes, mullions, rails, etc.</p> <p>Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.</p>			
Carried Forward			R
<p>Section No. 2 Bill No. 2 CARPENTRY AND JOINERY</p>			

**NORTHERN CAPE DEPARTMENT OF HEALTH
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PROPOSED REPAIRS AND RENOVATIONS**

	Brought Forward			R
<u>Fixing:</u>				
All nailing of timber roof trusses, purlins, etc. shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.				
Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.				
Where items are described as "bolted" the bolts have been measured elsewhere.				
<u>Fascia boards:</u>				
All fascia boards will be a minimum of 12mm thick. The contractor will be required to provide proof of purchase for 12mm thick fascia boards. If found to be incorrect, the contractor will be required to replace the fascias at the contractors own cost. Fascia and barge boards will be fixed to rafter ends with 38 x 38 x 114mm auxiliary cleats brass screwed to rafter feet. Failure to comply with this will result in non payment for fascias boards.				
<u>SKIRTINGS</u>				
<u>Wrought meranti:</u>				
1	19mm x 76mm Skirting including 19mm quadrant bead, nailed to walls including all nails to be punched and filled	m	225	
<u>DOORS ETC.</u>				
<u>Standard approved Solid core softwood flush door with commercial veneer hung to steel frames</u>				
2	40mm thick,timber door, size 877mm x 2064mm high (D01) including 400mm x 300mm aluminium louvre, 200mm mm stainless steel kick plate to both sides, all as indicated on Architect's door schedule attached to these bills of quantities.	No	20	
Carried Forward				R
Section No. 2 Bill No. 2 CARPENTRY AND JOINERY				

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Item No		Quantity	Rate	Amount
	<u>Bill No. 3</u>			
	<u>FLOOR COVERINGS</u>			
	<u>TRADE PREAMBLES</u>			
	The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Proprietary products in descriptions:</u>			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.			
	<u>Cleaning:</u>			
	Rates for floor covering shall include for proper cleaning on completion.			
	<u>SCREEDS</u>			
	<u>Self-leveling screed to existing floors:</u>			
1	10mm Thick on floors and landings	m2	184	
	<u>EPOXY FLOORING TO CONCRETE</u>			
	<u>Apply Epoxy primer then Apply x 1 coats topcoat including slip resistant dressing laid according to manufacturer's instructions and specification with a suitable and approved contact adhesive for the substrate on to which the product will be installed, laid by an approved specialist Sub-Contractor.</u>			
2	On floors	m2	962	
	Carried Forward			R
	Section No. 2 Bill No. 3 FLOOR COVERINGS			

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	Brought Forward				
3	<p><u>Apply Epoxy primer then Apply x 2 coats topcoat including slip resistant dressing laid according to manufacturer's instructions and specification with a suitable and approved contact adhesive for the substrate on to which the product will be installed, laid by an approved specialist Sub-Contractor.</u></p> <p>On floors</p>	m2	1,532		R
	Carried Forward to Summary of Section No. 2				R
	Section No. 2 Bill No. 3 FLOOR COVERINGS				

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Item No	Quantity	Rate	Amount
<p><u>BILL NO. 4</u></p> <p><u>IRONMONGERY</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371-B) July 2013 which are obtainable from Public Works website www.publicworks.gov.za/consultantguidelines</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Reference to drawings and details:</u></p> <p>Where drawings and/ or details have been referred to Tenderers should price for complete detail and specification on such details and/ or drawing. No claims relating to the omissions on the part of tenders will be entertained.</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 Prices are to be based on the specific products/articles specified. If tenderers wish to offer alternative products/articles for certain items, these items are to be clearly marked and the alternative specification given with supporting brochures etc. clarifying the features of the products/articles offered On request returnable samples are to be provided to the principal agent for consideration.</p> <p><u>Finishes to ironmongery:</u></p> <p>All ironmongery shall be in accordance with DORMAKABA specifications or equally approved unless otherwise described</p>			
<p>Carried Forward</p> <p>Section No. 2 Bill No. 4 IRONMONGERY</p>		R	

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Brought Forward			R
<p>Where applicable finishes to ironmongery are indicated by suffixes in accordance with the following list: BS Satin bronze lacquered CH Chromium plated SC Satin chromium plated SE Silver enamelled GE Grey enamelled AN Anodised natural AS Anodised silver AB Anodised bronze AG Anodised gold ABL Anodised black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded.</p>			
<u>IRONMONGERY TO DOORS, FRAMES, ETC.</u>			
<u>CATCHES, CABIN HOOKS, ETC.</u>			
<u>DCLSA' or Equally Approved:</u>			
1	SAA hat and coat buffer hook (code 154/69).	No	5
<u>LOCKS, HANDLES, E.T.C</u>			
<u>Union or Equally Approved lockset with satin-chrome handles:</u>			
2	4 Lever lockset, complete.	No	10
3	3 Lever lockset, complete.	No	10
<u>Door grab rails</u>			
4	800mm x 19mm diameter stainless steel door grab rails with 60mm diameter flanges drilled and countersunk with two fixed screws (Pair).	No	2
<u>DOOR STOPPERS</u>			
<u>Door stopper including securely fixing to floor:</u>			
5	43mm Diameter rubber floor mounted door stopper	No	20
<u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u>			
<u>Pinning boards:</u>			
6	2400mm x 1200mm Bulletin Board with standard 20mm wide aluminium frame with concealed mounting & carpet finish.	No	5
Carried Forward			R
<p>Section No. 2 Bill No. 4 IRONMONGERY</p>			

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	Brought Forward			R
	<u>BATHROOM FITTINGS</u>			
	<u>"Franke" or Equally Approved:</u>			
7	Franke Stratos STRX 618 S or equally approved wall mounted soap dispenser, stainless steel, surface satin finished, front with InoxPlus surface refinement. 0.8 liter soap tank. with plastic pull lever, includes stainless steel screws and dowels. code: 2000057379 with size 100 x 304 x 134mm	No	16	
8	Stainless steel automatic hands free hand dryer (code: 2500001)	No	9	
9	Franke Stratos STRX 607 or equally approved Grade 304 1,2/1,5mm thick 18/10 satin stainless steel recessed waste disposal bins. (code: 259731) with size 396 x 270 x 520mm deep	No	7	
10	Franke STRX600 or equally approved Grade 304, 1,4mm thick stainless steel, wall mounted paper towel dispenser, complete with cylinder lock with standard Franke key, inspection window in front with loading capacity of 300-400 pieces of paper.	No	12	
11	TCS Hygiene (TR3N Vandal Proof White) or equally approved 3 roll Vandal Proof Toilet roll holder, white 1mm M/S. Size: 360 x 130 x 130mm, plugged and screwed to wall. All in accordance with manufacturers installation specifications	No	12	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 4			
	IRONMONGERY			

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Item No	Quantity	Rate	Amount
<p><u>Bill No. 5</u></p> <p><u>METALWORKS</u></p> <p><u>TRADE PREAMBLES</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Descriptions</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>Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described.</p> <p>NOTE: All steel will be galvanised unless otherwise stated.</p> <p><u>Reference to drawings and details:</u></p> <p>Where drawings and/ or details have been referred to Tenderers should price for complete detail and specification on such details and/ or drawing. No claims relating to the omissions on the part of tenders will be entertained.</p> <p><u>Descriptions of bolts, anchors, etc.:</u></p> <p>Unless otherwise described, descriptions of items shall be deemed to include for fixing to brickwork or concrete.</p> <p>Where item are described as "bolted", the bolts are measured elsewhere.</p>			
			R
		Carried Forward	
Section No. 2 Bill No. 5 METALWORKS			

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Brought Forward		R
<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><u>Fixing:</u></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>Doors and windows shall comply with AAAMSA design criteria Glazing shall comply with SAGGA regulations. Glass shall be laminated performance glass as shown on the window schedules appended to these bills of quantities (as described in the headings to window descriptions). Glass thickness shall comply with SAGGA regulations irrespective of thickness shown on the schedules. Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed. For purpose made windows and doors, refer to drawings annexed to these bills of quantities.</p> <p>The following certificates shall be provided prior to commencement of site work:</p> <ol style="list-style-type: none"> 1. A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product. 2. A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively. 3. A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process. 		
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 5 METALWORKS</p>		R

	Brought Forward			R
	<p>4. A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked.</p> <p>5. A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years.</p> <p><u>GALVANISED PRESSED STEEL DOOR FRAMES</u></p> <p><u>1,6mm Double rebated frames suitable for 110mm brick walls with two pairs brass butt hinges per door leaf:</u></p>			
1	Frame for door 813mm x 2032mm high.	No	8	
	<p><u>1,6mm Double rebated frames suitable for 220mm brick walls with three pairs brass butt hinges per door leaf:</u></p>			
2	Frame for door 813mm x 2032mm high.	No	12	
	<p><u>SHOWER CUBICLE PANELS AND DOORS</u></p> <p><u>White powder coated aluminium shower cubicle complete with doors, frames, pivot hinges, cleats, stops, etc.</u></p>			
3	900mm x 1850mm shower cubicle	No	11	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 5			
	METALWORKS			

**NORTHERN CAPE DEPARTMENT OF HEALTH
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Item No	Quantity	Rate	Amount
<p><u>Bill No. 6</u></p> <p><u>PLASTERING</u></p> <p><u>TRADE PREAMBLES</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Moisture tests:</u></p> <p>Before any finishes, coverings, etc are applied to screeds, plastering, etc or any other in-situ finish moisture tests are to be carried out to the complete satisfaction of the Principal Agent to ensure that these</p> <p><u>Labours, etc.:</u></p> <p>Labours such as fair, rounded and chamfered edges, trowel cuts, throats, V-joints, angles, etc shall be deemed to be included in the descriptions</p> <p><u>Granolithic:</u></p> <p>Coloured granolithic shall be tinted with an approved colouring pigment mixed into a true and even colour.</p> <p>Granolithic shall be covered with clean hessian with waterproof building foil over and kept wet for at least seven days after laying.</p> <p>Granolithic shall be laid in panels not exceeding 14m\`b2 for monolithic finishes, not exceeding 9,5m\`b2 for bonded finishes and not exceeding 6m\`b2 for all external granolithic. Wherever possible, panels shall be square but at no time should the length of the panel exceed 1,5 times its width.</p>			
<p>Carried Forward</p>		R	
<p>Section No. 2 Bill No. 6 PLASTERING</p>			

Brought Forward				R
<p>Unless otherwise described, granolithic shall attain a compressive strength of at least 41MPa. The coarse aggregate shall comply with SANS 1083 and shall generally be capable of passing a 10mm msieve. Where the thickness of the granolithic exceeds 25mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of the granolithic.</p> <p>For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all laitance, dirt, oil, etc. is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic.</p> <p>Where possible joints between panels shall be positioned over joints in the floor slab and shall be at least 3mm wide through the full thickness of the finish, separated by strips of wood or fibreboard and finished with V-joints</p> <p><u>Cement plaster:</u></p> <p>Unless otherwise described, cement plaster shall be taken to mean Class 1 cement plaster</p> <p><u>Self - levelling screed:</u></p> <p>To Contractor's expense should Grade 1 variance in F1 above not be achieved. Grind & prime existing surface with self-leveling Tal-Screed Master or equal & approved - thickness between between 4 to 5mm</p> <p><u>SCREEDS</u></p> <p><u>3:1 Cement screed on concrete:</u></p>				
1	40mm Thick screed on floors and landings.	m2	251	
2	50mm Thick screed on existing concrete roofs.	m2	175	
Carried Forward to Summary of Section No. 2				R
Section No. 2				
Bill No. 6				
PLASTERING				

**NORTHERN CAPE DEPARTMENT OF HEALTH
ROBERT MANGALISO SOBUKWE - KIMBERLEY, NOTHERN CAPE
PROPOSED REPAIRS AND RENOVATIONS**

Item No	Quantity	Rate	Amount
<p><u>BILL NO. 7</u></p> <p><u>PLUMBING AND DRAINAGE</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate Supplementary Preambles hereunder and Department of Public Works PW371 document.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.</p> <p><u>References to details and drawings:</u></p> <p>Where drawings and/ or details have been referred to Tenderers should price for complete detail and specification on such details and/ or drawing. No claims relating to the omissions on the part of tenders will be entertained.</p> <p><u>Wire gratings:</u></p> <p>Descriptions of gutter outlets etc. shall be deemed to include wire balloon gratings.</p> <p><u>Stormwater channels:</u></p> <p>Descriptions of channels shall be deemed to include necessary excavation, surface preparation, compaction, etc., and disposal of surplus material on site.</p> <p><u>French drains:</u></p> <p>Descriptions of French drains shall be deemed to include excavation, stone filling graded from 300mm diameter at bottom to 75mm diameter at top, approved geo-fabric filter blanket over stone, 300mm earth filling over and disposal of surplus material on site.</p>			
			Carried Forward
		R	
Section No. 2 Bill No. 7 PLUMBING AND DRAINAGE			

<p style="text-align: center;">Brought Forward</p> <p><u>Stainless steel basins, sinks, wash troughs, urinals, etc.:</u></p> <p>Stainless steel for economy basins, domestic sinks and worktops shall be Type 430 (17/0) Stainless steel for urinals, basins, quality sinks, wash troughs, institutional equipment, etc. shall be Type 304 (18/8) Stainless steel for laboratory sinks, photographic equipment, etc. shall be Type 316 (18/8) Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable.</p> <p><u>Sealing of edges:</u></p> <p>Outer edges of sinks, basins, baths, urinals, etc. are to be sealed against adjacent surfaces with approved silicone.</p> <p><u>uPVC pipes and fittings:</u></p> <p>Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings.</p> <p><u>uPVC pressure pipes and fittings:</u></p> <p>Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings Pipes of 63mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints.</p> <p><u>High density polyethylene (HDPE) pipes and fittings:</u></p> <p>Pipes shall be type IV and of the class specified with Plasson or Alprene compression fittings.</p> <p><u>Polycop polypropylene pipes:</u></p> <p>Polypropylene pipes 54mm diameter and smaller shall be seamless copper coloured Class 16 pipes jointed with Fast-fuse heat welded thermoplastic or where so described Polylock compression fittings Pipes shall be firmly fixed to walls, etc. with coloured nylon snap-in pipe clips with provision for accommodating thermal movement and jointed and fixed strictly in accordance with the manufacturer's instructions.</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 7 PLUMBING AND DRAINAGE</p>		R	

<p style="text-align: center;">Brought Forward</p> <p><u>Copper pipes:</u></p> <p>Pipes shall be hard drawn and half-hard Maksal pipes of the class described. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), Class 2 (half-hard) and Class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be Cobra Watertech type. Capillary solder fittings shall comply with ISO 2016.</p> <p>Copper pipes are to be installed in accordance with the latest revision of the Code of Practice for Copper Plumbing soldering techniques. Flux, solder, etc. to be strictly in accordance with the manufacturer's requirements with special attention to copper flux composition.</p> <p><u>Reducing fittings:</u></p> <p>Where fittings have reducing ends or branches they are described as 'reducing' and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained.</p> <p><u>Fixing of pipes:</u></p> <p>Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc., casting in, building in or suspending not exceeding 1m below suspension level.</p> <p><u>Paper wrapping to pipes:</u></p> <p>Pipes chased into brickwork must be wrapped with two layers of stout brown paper tied with wire. Rates are to include for wrapping around joints and fittings.</p> <p><u>Disinfection of water pipework:</u></p> <p>Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere).</p>				R
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 7 PLUMBING AND DRAINAGE</p>				R

<p style="text-align: center;">Brought Forward</p> <p><u>Laying, backfilling, bedding, etc. of pipes:</u></p> <p>Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled.</p> <p>Where no manufacturers' instructions exist, pipes shall be laid in accordance with Clauses 5.1 and 5.2 of each of the following: SABS 1200L : Medium-pressure pipelines SABS 1200LD : Sewers SABS 1200LE : Stormwater drainage Pipe trenches, etc. shall be backfilled in accordance with Clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with Clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB : Bedding (Pipes) Unless otherwise described bedding of rigid pipes shall be Class B bedding.</p> <p><u>General:</u></p> <p>Descriptions of cast iron roof outlets shall be deemed to include joints to pipes and casting into concrete (adaptors for joints to PVC pipes, etc. are given separately) Descriptions of overflow pipes where measured in number, shall be deemed to include joints to cisterns and splay cut ends.</p> <p>Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc. shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 93% Mod AASHTO density and disposal of surplus material on site.</p> <p>Descriptions of service pipes and flexible connecting pipes shall be deemed to include connections to taps, cisterns, etc. and to steel pipes (adaptors for connections to copper pipes, etc. are given separately).</p> <p>Descriptions of WC pans, slop hoppers, etc. shall be deemed to include for joints to soil pipes (pan connectors are separately measured).</p>				R
<p style="text-align: center;">Carried Forward</p> <p>Section No. 2 Bill No. 7 PLUMBING AND DRAINAGE</p>				R

NORTHERN CAPE DEPARTMENT OF HEALTH
ROBERT MANGALISO SOBUKWE - KIMBERLEY, NOTHERN CAPE
PROPOSED REPAIRS AND RENOVATIONS

	Brought Forward			R
<u>As-built drawings:</u>				
Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere).				
<u>RAINWATER DISPOSAL</u>				
<u>0.6 mm Seamless aluminium prepainted gutter system:</u>				
1	150mm x 125mm x 0.8mm Ogee industrial eaves gutter fixed to falls in continuous lengths at not exceeding 600mm centres with and including approved gutter brackets.	m	450	
2	Extra over eaves gutter for stopped end.	No	10	
3	Extra over eaves gutter for outlet for 50mm x 75mm diameter pipe.	No	15	
4	50mm x 75mm watertite aluminium rainwater pipes.	m	26	
5	Extra over rainwater pipe for bend.	No	10	
6	Extra over 50mm x 75mm rainwater pipe for eaves or plinth offset 300mm projection.	No	10	
7	Extra over rainwater pipe for shoe.	No	10	
<u>SANITARY FITTINGS AND GEYSERS</u>				
<u>Supply and fix the following sanitary fittings including loose ancillary fittings supplied therewith, including unloading, storing, unpacking, hoisting or lowering as required, fixing and building into position, cutting all mortices and chases as required for fixing and building in position, cutting, brackets, clamps, etc., and connecting up pipework and handing over in perfect working order at completion:</u>				
		Carried Forward		R
Section No. 2 Bill No. 7 PLUMBING AND DRAINAGE				

**NORTHERN CAPE DEPARTMENT OF HEALTH
ROBERT MANGALISO SOBUKWE - KIMBERLEY, NOTHERN CAPE
PROPOSED REPAIRS AND RENOVATIONS**

Brought Forward		R
<u>Wash Hand Basins:</u>		
8	Geberit Selvona 500.311.01.1 or equally approved semirecessed washbasin with single tap hole and over flow.	No 20
<u>Sinks:</u>		
9	Stainless steel wash hand basin	No 3
10	Stainless steel slop hopper	No 2
11	Stainless steel overlay sink - 1200mm x 595mm.	No 3
12	Stainless steel catering sink - 1200mm x 650mm	No 1
13	Stainless steel emergency eye wash wall mounted basin	No 4
<u>Water Closet:</u>		
14	Geberit Selnova 500.282.01.1 or equally approved floor-standing WC for close-coupled exposed cistern, washdown, horizontal outlet, close-coupled, dual flush, bottom water supply connection and seat cover.	No 12
<u>Urinals, etc</u>		
15	Geberit Selnova 500.343.01.1 or equally approved urinal, inlet from the top, outlet to the rear or downwards.	No 3
<u>WASTE UNIONS, TRAPS, ETC.</u>		
<u>Waste unions etc.</u>		
16	Cobra or Equally Approved sink waste: Un-slotted bath Aquawaste (click clack waste) with 1 1/2" BSP male outlet connection.	No 36
17	40mm Chromium plated bottle trap.	No 36
Carried Forward		R
Section No. 2 Bill No. 7 PLUMBING AND DRAINAGE		

**NORTHERN CAPE DEPARTMENT OF HEALTH
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Brought Forward		R
<u>TAPS, VALVES, ETC.</u>		
<u>Cobra or Equally Approved:</u>		
18	Cobra Bordo or equally approved basin mixer. SKU: 5819CH	No 26
19	Cobra SKU: 000129 or equally approved elbow-action pillar tap chrome. Includes: 1/4 "turn ceramic disc head part, red indice, 1/2" BSP male inlet, and flanged backnut. Ideal for medical, kitchen and industrial installations. SANS 226 TYPE 2.	No 4
20	Cobra TI- 970 Tiari or equally approved single lever sink mixer (CP). Tap incl. sink mixer with earated swivel outlet Angle valves. 1/ " female iron 40mm long flexible hose.	No 4
21	Cobra or equally approved P- 108-15mm brass bib taps with garden hose bib end required for cold water supply. SANS 226 Type 1.	No 2
<u>Valves, etc.</u>		
22	Flush valve (Code: Cobra FJ6000) or Equally Approved and flush pipe fixed on and including two hanger brackets and urinal division fixed with and including fixing screws and hanger bracket.	No 36
23	15mm stop cork.	No 5
<u>SANITARY PLUMBING</u>		
<u>uPVC pipes:</u>		
24	40mm Pipes.	m 15
25	110mm Pipes.	m 25
<u>Extra over uPVC pipes for fittings or equally approved:</u>		
26	40mm fitting	No 5
27	110mm fittings	No 5
<u>WATER SUPPLIES</u>		
Carried Forward		R
Section No. 2 Bill No. 7 PLUMBING AND DRAINAGE		

**NORTHERN CAPE DEPARTMENT OF HEALTH
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Brought Forward			R
<u>Copper pipes:</u>			
28	15mm Pipes.	m	50
29	22mm Pipes.	m	75
<u>Extra over polypropylene pipes for brass compression fittings:</u>			
30	15mm Fittings.	No	15
31	22mm Fittings.	No	20
<u>SANITARY ACCESORIES</u>			
<u>Toilet Roll Holder</u>			
32	Franke Stratos STRX 672 or equally approved Grade 304 1,2/1,5 thick 18/10 satin stainless steel toilet roll holder with spindle system (code ;359716), size 304 x 156 140,7 mm deep for 2 roll max 108mm diameter, cylinder lock w standard Franke key, plugged and screwed to the wall with stainless steel screws.	No	12
<u>TESTING, ETC.</u>			
<u>Testing of plumbing installations</u>			
33	Allowance for testing and issuing of CoC		Item
Carried Forward to Summary of Section No. 2			R
Section No. 2			
Bill No. 7			
PLUMBING AND DRAINAGE			

NORTHERN CAPE DEPARTMENT OF HEALTH
ROBERT MANGALISO SOBUKWE - KIMBERLEY, NOTHERN CAPE
PROPOSED REPAIRS AND RENOVATIONS

Item No		Quantity	Rate	Amount
	<u>BILL NO. 8</u>			
	<u>GLAZING</u>			
	<u>PREAMBLES</u>			
	The Tenderer is referred to the relevant Clauses in the separate document Model Preambles for Trades (2008 Edition), the Department of Public Works document No. PW 371 Specification of Materials and Methods to be used and to the Supplementary Preambles which are incorporated hereunder.			
	<u>SUPPLEMENTARY PREAMBLES</u>			
	<u>Float glass:</u>			
	The term 'float glass' is used for monolithic annealed glass.			
	<u>GLAZING TO ALUMINIUM WITH CLIP ON BEADS</u>			
	<u>6.38mm laminated safety clear glass including securely fixing to window panes:</u>			
1	Panes exceeding 0,1m ² and not exceeding 0,5m ² .	m2	96	
	<u>TOPS, SHELVES, DOORS, MIRRORS, ETC.</u>			
	<u>6mm silvered float glass copper backed mirror with 10mm levelled and polished edges and fixed with c.p dome capped mirror screws:</u>			
2	6mm Thick clear float glass silver-backed mirror, size 600mm x 600mm height with polished bevelled edges four times holed for and fixed with chromium plated dome headed mirror screws.	No	16	
3	6mm Thick clear float glass silver-backed mirror, size 1200mm x 600mm height with polished bevelled edges four times holed for and fixed with chromium plated dome headed mirror screws.	No	4	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 8			
	GLAZING			

NORTHERN CAPE DEPARTMENT OF HEALTH
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 PROPOSED REPAIRS AND RENOVATIONS

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 9</u></p> <p><u>PAINTWORK</u></p> <p><u>PREAMBLES</u></p> <p>The Tenderer is referred to the relevant Clauses in the separate documents General Specification (PW 371-A) July 2013 and Particular Specification (PW 371-B) July 2013.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Painting specification:</u></p> <p>All painting shall be done in accordance with SABS specifications unless otherwise described</p> <p><u>Colours:</u></p> <p>Unless otherwise described, all paintwork shall be deemed to have a colour value in excess of 7 on the Munsell system in accordance with SABS 1091</p> <p>When staining timber, the resultant colour or shade must be to the complete satisfaction of the Principal Agent before any overcoating or preservative is applied</p> <p><u>PAINTWORK TO EXISTING WORK</u></p> <p><u>ON INTERNAL TEXTURED PLASTER SURFACES</u></p> <p><u>Prepare surfaces and remove all loose material, surface contaminating using polycell sugar solution and apply one coat 'Plascon Professional Plaster Primer' and two coats 'Plascon Professional Hygiene paint or Equally approved low sheen or Equally approved to achieve complete obliteration.</u></p>			
1	On interior walls.	m2	2,523	
	Carried Forward			R
	Section No. 2 Bill No. 9 PAINTWORK			

Brought Forward			R
<u>ON CONCRETE SURFACES</u>			
<u>Prepare surfaces and remove all loose material, surface contaminating using polycell sugar solution and apply one coat 'Plascon Professional Plaster Primer' and two coats 'Plascon Professional Hygiene paint or Equally approved low sheen or Equally approved to achieve complete obliteration.</u>			
2	On soffits of slabs.	m2	2,931
<u>ON METAL</u>			
<u>Remove any loose and flaking residue by means of wire brushing, sand down, wash with 'Polycell Sugar Soap' or weak spirits of salts, rinse, spot priming with 'Plascon Namelcote Synthetic Metal Primer' and apply 2 coats of rubberised paint on existing Enamel based paint surfaces:</u>			
3	On existing corrugated roof sheeting	m2	1,457
<u>ON WOOD, WOOD BOARD</u>			
<u>One coat primer, one coat universal undercoat and two coats gloss enamel interior quality</u>			
4	Interior Doors	m2	35
<u>PAINTWORK TO NEW WORKS</u>			
<u>ON METAL</u>			
5	Door frames	m2	24
<u>ON WOOD</u>			
<u>Prepare, stop and apply one coat PLASCON or Equally approved universal undercoat, and two coats plascon velvagio paint or equally approved non-drip semi-gloss enamel paint, code VL0:</u>			
6	Interior Doors.	m2	70
Carried Forward			R
Section No. 2 Bill No. 9 PAINTWORK			

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	Brought Forward			R
	<u>Two coats polyurethane clear varnish or similar approved:</u>			
7	On skirtings, cornices, etc not exceeding 300mm girth.	m	225	
	<u>ON FIBRE-CEMENT BOARD SURFACES</u>			
	<u>Prepare and apply one coat zinc chromate to nail heads and H-spline strips, one universal undercoat and apply two finishing coats of eggshell enamel on:</u>			
8	Fascias, barge boards, e.t.c.	m2	81	
	Carried Forward to Summary of Section No. 2			R
	Section No. 2			
	Bill No. 9			
	PAINTWORK			

**NORTHERN CAPE DEPARTMENT OF HEALTH
ROBERT MANGALISO SOBUKWE - KIMBERLEY, NORTHERN CAPE
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SECTION SUMMARY - REFURBISHMENTS

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7	PLUMBING AND DRAINAGE	66	
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9	PAINTWORK	70	
	Carried to Final Summary		R
	Section No. 2		

**NORTHERN CAPE DEPARTMENT OF HEALTH
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PROPOSED REPAIRS AND RENOVATIONS**

Item No		Quantity	Rate	Amount
	<p><u>BILL NO. 1</u></p> <p><u>PROVISIONAL SUMS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>General:</u></p> <p>Unless otherwise described, all prime cost amounts and provisional sums shall be nett. No provision for 5 percent cash discount shall be included for the main Prime cost amounts and provisional sums exclude value added tax.</p> <p>In the event of a prime cost amount or provisional sum being omitted the items "Allow for profit"... and "allow for attendance" applicable, shall be omitted together with the prime cost amount or provisional sum and no claim whatsoever will be entertained in this regard.</p> <p>The principal agent shall be entitled to nominate or select any further specialist and other to execute work or supply and fix any goods whether or not a provisional sum is included in the bills of quantities and such specialists and other will then be deemed to be "selected subcontractors" as the case may be.</p> <p>Where profit stated, the contractor may allow for profit if required</p> <p><u>Attendance upon nominated/selected subcontractors:</u></p> <p>The item "Allow for attendance...." which follows each provisional sum for nominated/selected subcontractors work, shall be deemed to cover all the contractors costs incurred in providing free of charge to the subcontractor the service as set out in the relevant clause in the preliminaries</p>			
	Carried Forward		R	
	<p>Section No. 3 Bill No. 1 PROVISIONAL SUMS</p>			

<p style="text-align: center;">Brought Forward</p> <p><u>Taking delivery:</u></p> <p>Taking delivery of goods or articles by the contractor on site shall mean getting in, unpacking, checking that the quantity is correct and that the goods are complete and undamaged, submitting a report thereof to the interested parties and issuing vouchers for the receipt of such goods. The contractor is to store the goods and will be held responsible for the safety thereof and indemnify the employer against any damage or loss which may occur.</p> <p><u>Works executed under a seperate/direct contract:</u></p> <p>The contractor shall permit access to the site and to the places where the work is to be carried out and provide every facility to enable the specialist to carry out his work in a workmanlike manner and in proper order and sequence.</p> <p><u>Co-ordination:</u></p> <p>The contractor shall obtain all necessary particulars of the subcontractors work timeously and the contractor will be responsible for the programming and coordination of the works.</p> <p><u>Number of nominated/selected subcontractors:</u></p> <p>The contractors attention is drawn to the fact that the indicated individual provisional sums may consist of numerous specialist, all of which will become nominated/selected subcontractors. The contractor must therefore allow in his tender for any cost implication this may bring about, as no claims in this regard will be entertained.</p> <p>The contractor shall obtain all necessary particulars of the subcontractors work timeously and the contractor will be responsible for the programming and coordination of the works</p>		R	
<p style="text-align: center;">Carried Forward</p> <p>Section No. 3 Bill No. 1 PROVISIONAL SUMS</p>		R	

NORTHERN CAPE DEPARTMENT OF HEALTH
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Brought Forward		R
<u>PROVISIONAL SUMS FOR NOMINATED/SELECTED SUB-CONTRACTORS</u>		
<u>Access Staircase</u>		
1	Provide the sum of R150,000.00 (One Hundred and Fifty Thousand) for the inspection and repairs to the Access staircase as per Engineer's recommendation, the amount to be used at the discretion of the Principal Agent or deducted in whole or in part if not required	Item
2	Profit	%
3	Attendance	%
<u>Removal of Benches and Lockers</u>		
4	Provide the sum of R15,000.00 (Fifteen Thousand) for the removal of floor mounted benches, timber lockers and making good, the amount to be used at the discretion of the Principal Agent or deducted in whole or in part if not required.	Item
5	Profit	%
6	Attendance	%
<u>Steel Shelving</u>		
7	Provide the sum of R550,000.00 (Five Hundred and Fifty Thousand) for Steel Shelving, the amount to be used at the discretion of the Principal Agent or deducted in whole or in part if not required	Item
8	Profit	%
9	Attendance	%
<u>COMMUNITY ENGAGEMENT</u>		
Carried Forward		R
Section No. 3 Bill No. 1 PROVISIONAL SUMS		

**NORTHERN CAPE DEPARTMENT OF HEALTH
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	Brought Forward		R
	<u>Community Liason Officer</u>		
10	Provide the sum of R120,000.00 (One Hundred and Twenty Thousand) for Community Liaison Officer to be remunerated at R 10 000.00 per month, to be used at the discretion of the Principal Agent and deducted in whole or in part if not required.	Item	
11	Profit		%
12	Attendance		%
	Carried to Final Summary		R
	Section No. 3 Bill No. 1 PROVISIONAL SUMS		

**NORTHERN CAPE DEPARTMENT OF HEALTH
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2	REFURBISHMENTS	71	
3	PROVISIONAL SUMS	75	
	SUBTOTAL EXCLUDING VAT		R
	ADD: VAT 15%		R
	Carried to Form of Tender		R