

RENOVATION AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

BILL NO	DESCRIPTION	PAGE NO			AMOUNT
	SUMMARY SECTION				
	<u>SECTION 1 - PRELIMINARY & GENERAL</u>				
1	(A) Sub-Total Section 1: Preliminaries	Page	17		N\$ -
	<u>SECTION NO. 2 - ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING</u>				
1	ALTERATIONS (PROVISIONAL)	Page	19		N\$ -
2	EARTHWORKS	Page	22		N\$ -
3	CONCRETE, FORMWORK AND REINFORCEMENT	Page	24		N\$ -
4	MASONRY	Page	26		N\$ -
5	PRECAST CONCRETE	Page	27		N\$ -
6	WATERPROOFING	Page	28		N\$ -
7	ROOF COVERINGS ETC	Page	29		N\$ -
8	CEILINGS, PARTITIONS AND ACCESS FLOORING	Page	30		N\$ -
9	IRONMONGERY	Page	31		N\$ -
10	METALWORK	Page	33		N\$ -
11	PLASTERING	Page	34		N\$ -
12	TILING	Page	35		N\$ -
13	PAINTWORK	Page	38		N\$ -
	(B) Sub-Total Section 2 - Alterations and Additions to Community Centre				N\$ -

RENOVATION AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

BILL NO	DESCRIPTION	PAGE NO		AMOUNT
	<u>SECTION NO.3- NEW ABLUTION FACILITY</u>			
1	EARTHWORKS	Page 41		N\$ -
2	CONCRETE, FORMWORK AND REINFORCEMENT	Page 45		N\$ -
3	MASONRY	Page 47		N\$ -
4	PRECAST CONCRETE	Page 48		N\$ -
5	WATERPROOFING	Page 49		N\$ -
6	ROOF COVERINGS ETC	Page 50		N\$ -
7	CARPENTRY AND JOINERY	Page 51		N\$ -
8	CEILINGS, PARTITIONS AND ACCESS	Page 53		N\$ -
9	IRONMONGERY	Page 55		N\$ -
10	STRUCTURAL STEELWORK	Page 57		N\$ -
11	METALWORK	Page 59		N\$ -
12	PLASTERING	Page 60		N\$ -
13	TILES	Page 62		N\$ -
14	PLUMBING AND DRAINAGE (PROVISIONAL)	Page 65		N\$ -
15	PAINTWORK	Page 66		N\$ -
	(C) Sub-Total Section 3 - AblutionBlock and Septic Tank			-
	<u>(D) SECTION 4: EXTERNAL WORK AND FENCING</u>	Page 67		-
	<u>(E) SECTION 5: EARTHWORKS</u>	Page 68		-
1	<u>(F) SECTION NO.6- PROVISIONAL SUMS, ETC</u>	Page 70		-
	SUB-TOTAL 1(A +B+C+D+E+F)			-
	<u>Contingencies</u> Add 10% on Sub-Total for contingencies Namibia Dollars Only) for contingencies to be used as directed by the Engineer and deducted in whole or in part if required			N\$ -
	SUB-TOTAL 2			N\$ -
	Value Added Tax 15%			N\$ -
	Carried to Form of Tender			N\$ -

ALTERATIONS AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>Renovation & Upgrading of Uupindi Community Center in Oshakakti</u></p> <p><u>SECTION NO. 1 - PRELIMINARY & GENERAL</u></p> <p><u>BILL NO. 1</u></p> <p><u>PRELIMINARIES</u></p> <p><u>NOTES</u></p> <p>i) The Agreement and Schedule of Conditions of Building Contract shall be in the form approved and recommended by the Namibia Institute of Architects, the Institute of Namibian Quantity Surveyors and the Construction Industry Federation of Namibia, 2009 edition.</p> <p>ii) The Model Preliminaries as recommended and published by the Association of South African Quantity Surveyors, 1988 edition shall be deemed to be incorporated herein.</p> <p>iii) Tenderers are referred to the abovementioned documents for the full intent and meaning of each clause thereof (hereinafter referred to by heading and clause number only) for which such allowance must be made as may be considered necessary.</p> <p>iv) Where standard clauses or alternatives are not applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading.</p> <p>v) Where N/A appears opposite any clause, such clause as detailed in the standard documents referred to is NOT APPLICABLE to this contract.</p> <p>vi) Where rate only appears in the amount column the tenderer must insert a unit rate in the rate column.</p>				
	<p>Bill No.1</p> <p>Section 1 - Preliminary and General</p> <p>Carried Forward</p>				<p>N\$ -</p>

ALTERATIONS AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	<u>SECTION A : CONDITIONS OF BUILDING CONTRACT</u>				
1	Clause 1: Scope of Contract The works consist of the renovation and alterations to the existing community center, construction of entrance gate,demolishing of existing infrastructures , bulk earthwork , diamond mesh fencing and construction of new ablution facility with a seage conservancy tank	Item			
2	Clause 2: Drawings, Bills of Quantities, etc	Item			
3	Clause 3: Contractor to provide everything necessary	Item			
4	Clause 4: Local and Other Authorities' Notices and Fees	Item			
5	Clause 5: Setting out of Works	Item			
6	Clause 6: Materials and Workmanship to conform to description	Item			
7	Clause 7: Site Representative The site representative shall be a competent person fully conversant in English and in construction work.	Item			
8	Clause 8: Access to Works Contractor to take head of existing sewer and storm water infrastructure, it should be returned to the client in the same condition as received at site handover.	Item			
9	Clause 9: Clerk of Works	Item			
10	Clause 10: Prices for Variations, etc	Item			
11	Clause 11: Bills of Quantities	Item			
12	Clause 12: Unfixed Materials	Item			
13	Clause 13: Practical Completion and Defects Liability All items listed on the completion list issued at practical completion are to be attended to immediately and not at the end of latent defects period.	Item			
	Bill No.1 Section 1 - Preliminary and General	Carried Forward			N\$ -

ALTERATIONS AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
14	<p>Refer to the Schedule</p> <p>Clause 14: Assignment or subletting</p> <p>Add the following:</p> <p>The contractor shall upon request submit to the Principal Agent in writing the names of the sub-contractors that he proposes to employ on the Works and the Principal Agent shall within 21 days inform the contractor in writing of his approval or disapproval of such sub-contractors.'</p> <p>The contractor shall not cede or assign his rights or claims to any monies due or likely to become due to him under this contract. No such cession or assignment will be recognised by the Employer'.</p>	Item			
15	<p>Clause 15: Nominated and Selected Sub-Contractors</p> <p>The last sentence of sub-clause 15.1 is amended to read as follows:</p> <p>'If the relevant provisional sum does not specify that the sub-contractor is to be a nominated sub-contractor, then the sub-contractor concerned shall be deemed to be a selected sub-contractor, regardless of any indication to the contrary.'</p> <p>Notwithstanding the provisions of sub-clause 15.2, the Contractor shall furnish the Principal Agent with the names of at least six (where possible) sub-contractors who desire to tender for the sub-contract works.</p> <p>Delete the following wording from sub clause 15.5: 'less only the appropriate portion if any of the retention fund'.</p>	Item			
16	Clause 16: Indemnities, Liabilities, Works Risk and Reinstatement	Item			
17	Clause 17: Insurances Works Risk and Insurance Refer to the Schedule.	Item			
	Bill No.1 Section 1 - Preliminary and General	Carried Forward			N\$ -

ALTERATIONS AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
18	<p>Clause 18: Dates for Possession and Practical Completion</p> <p>The contract period(s) specified in the Schedule of Variables, excludes the annual builders' holidays. In the event that any contract period(s) overlap these holidays, then the contract period will be extended for a period of 21 days per annum for the annual builders' holidays. All other holidays, builders' long weekends, etc are counted as part of the contract period.</p> <p>Refer to the Schedule.</p>	Item			
19	<p>Clause 19: Penalties for Non-Completion</p> <p>Refer to the Schedule.</p> <p>Notwithstanding the provisions of this clause, the Employer reserves the right to reconsider and/or amend any certificate issued by the Principal Agent in connection with this clause.</p>	Item			
20	<p>Clause 20: Delay and Extension of Time</p> <p>Notwithstanding the provisions of this clause, the Employer reserves the right to review and/or amend any extension of time granted by the Principal Agent.</p>	Item			
21	<p>Clause 21: Failure by Contractor to comply with Principal Agent's Instructions</p>	Item			
22	Clause 22: Determination by Employer	Item			
23	Clause 23: Determination by Contractor	Item			
24	Clause 24: Prime Costs, Provisional Sums, Artists	Item			
25	<p>Clause 25: Certificates and Payments</p> <p>Notwithstanding the provisions of this Clause, all retention monies will be held by the Employer and NO interest will be paid by the Employer on retention monies.</p>	Item			
Bill No.1	Carried Forward				N\$ -
Section 1 - Preliminary and General					

ALTERATIONS AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	Notwithstanding the provisions of sub-clause 25.2.2, the value of any unfixed materials or goods before delivery is made thereof to or adjacent to the works, will only be included in a monthly certificate if the Contractor has obtained the prior written consent of the Employer.				
	Where such written consent is given by the Employer, the Employer reserves the right to request a bank guarantee in a format approved by the Employer covering the full cost of such materials or goods and in favour of the Employer. The guarantee shall be effective from the date of the certificate issued by the Engineer and until thirty days after the materials have been delivered to the works and properly stored and protected whereafter the provisions of clause 12 and sub-clause 25.2.1 shall apply.				
	Retention monies will be calculated on the relevant amounts certified excluding value added tax.				
26	Clause 26: Disputes and Arbitration Refer to the Schedule.	Item			
27	Clause 27: Definitions	Item			
	<u>SCHEDULE OF VARIABLES</u>				
	The Schedule at the end of the Conditions of Contract will be completed as follows:				
	The order of priority of the Contract Documents shall be as follows :				
	Agreement and Schedule of Conditions of Building				
	Contract (highest) 1				
	Bills of Quantities 2				
	Contract Drawings 3				
	Specifications 4				
	Clause 13.2:				
	The patent defects liability period shall be :				
	12 (Twelve) months				
	Bill No.1	Carried Forward			N\$ -
	Section 1 - Preliminary and General				

ALTERATIONS AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	Clause 17.1 The amount of insurance required shall be (public liability) : N\$ 800,000.00 (Two Million Namibia Dollars only) for each and every occurrence without limit to the number of occurrences			-	
	Clause 17.2 The amount of insurance required shall be (lateral support) :			-	
	Clause 17.3 The amount of liability and insurance required shall be (replacement) : Equal to the Contract Sum plus 20%			-	
	Clause 18 Date of possession of site : To be determined upon award of the contract			-	
	Date for practical completion : 3 (Three) months after the date of possessionof site excluding the annual December builders holidays, but including all statutory holidays and builders' long weekends				
	Clause 19: Penalties for non-completion : N\$ 1000.00 (Two Thousand Namibia Dollars only) per calendar day			-	
	Clause 25.1 Period for payment by the Employer to the Contractor : 31 (Thirty One) days			-	
	Clause 25.4.5 Financial institution where Retention Fund is to be invested : Not applicable			-	
	Clause 26 Name of Arbitrator : To be nominated by the President of the Engineering Council of Namibia			-	
	Bill No.1 Carried Forward				N\$ -
	Section 1 - Preliminary and General				

ALTERATIONS AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	SECTION B : PRELIMINARIES				
	<u>B1: Supplementary documentation</u>				
28	B1.1: Bills of Quantities These Bills of Quantities contain pages and annexures as indexed on the flyleaf. Items in these Bills of Quantities are to be read and priced in conjunction with and the descriptions regarded as amplified by the Model Preambles for Trades as recommended and published by the Association of South African Quantity Surveyors, 1999 edition, and no claim arising from brevity of description of items fully described in the said Model Preambles for Trades will be entertained.	Item			
29	B1.2: Provisional Bills of Quantities	N/A			
30	B1.3: Availability of construction documentation for contracts based on Bills of Quantities	Item			
31	B1.4: Name of Architect, Quantity Surveyor and other Consultants: Principal Agent : Quantity Surveyors : N/A Structural & Civil Engineers : Electrical & Mechanical Engineers :	Item			
32	B1.5: Lodging and scrutiny of priced Bills of Quantities These Bills of Quantities must be extended in black ink. The attention of the Tenderer is directed to the fact that his original priced Bills of Quantities used for tendering purposes must be completed in black ink and must be submitted together with the Form of Tender. The use of correcting fluid and failure to initial every page may result in the disqualification of the tender.	Item			
	Bill No.1 Section 1 - Preliminary and General	Carried Forward			N\$ -

ALTERATIONS AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
33	B1.6: Meaning of words	Item			
34	B1.7: Performance guarantee by the Contractor The full security for the due fulfilment of all obligations under this contract is to remain in force for sixty days after practical completion. No guarantee containing any clause that allows the financial institution providing such guarantee to either withdraw from their undertaking before sixty days after practical completion or that stipulates an expiry date is acceptable. Notwithstanding the above, the guarantee will only be returned to the contractor after receipt of satisfactory proof that the contractor has met all his obligations under any and all selected and nominated sub-contract agreements applicable to this contract.	Item			
35	B1.8: Payment guarantee by Employer	N/A			
36	B1.9: Waiver of contractor's lien	Item			
37	B1.10: Signing powers	Item			
38	B1.11: Tenders Notwithstanding anything contained in this clause tenders shall be valid for a period of ninety days (90) from the closing date of tenders. The Employer reserves the right to correct any arithmetical or other errors in the extension of the rates and totals in the tender and/or to adjust any rates that are considered by him to be imbalanced and unacceptable. Such adjustments will be done without adjusting the tender Sum.	Item			
39	B1.12: Inspection of documents Engineers drawings for the specific items with details that cannot be easily described these Bills of Quantities for tender purposes.	Item			
	Bill No.1 Section 1 - Preliminary and General	Carried Forward			N\$ -

ALTERATIONS AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	Notwithstanding the issue of the abovementioned drawings it will remain the responsibility of the tenderer to study all available drawings at the offices of the Engineer during office hours to acquaint himself with all the cost implications of the design.				
	<u>B2: The site</u>				
40	B2.1: Site and site boundaries	Item			
	The site of the Works is located at Uupindi Location in Oshakati, Omusati Region				
41	B2.2: Area of the works	Item			
	The area of the works to be occupied by the contractor, any restriction to the area and the limit of access or exit will be pointed out to the contractor by the Client on handing over of the site.				
42	B2.3: Boundary beacons, setting out pegs and master datum	Item			
	The Contractor shall notify the Client if any encroachments of adjoining foundations, buildings, structures, pavements, etc exist so that the necessary arrangements can be made for the rectification of such encroachments.				
43	B2.4: Site soil investigation	Item			
44	No site soil investigation report is available and the tenderer is advised to inspect the site to ascertain the exact nature of the ground.	Item			
45	B2.5: Viewing of the site	Item			
	No claim for extras arising from the contractor having failed to comply with this Clause will be entertained.				
46	B2.6: Existing premises occupied	Item			
47	B2.7: Dimensional accuracy of work executed under the previous contract	Item			
	Bill No.1	Carried Forward			N\$ -
	Section 1 - Preliminary and General				

ALTERATIONS AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
48	B2.8: Defects in work executed under the previous contract	Item			
49	B2.9: Existing known services	Item			
	Existing services and points of connection are shown on the site plan or will be pointed out on the site by the Client, Other services to be indentified by the contractor and brought to the attention of the Client/Project Manager.				
50	B2.10: Unknown services	Item			
51	B2.11: Protection of trees	Item			
52	B2.12: Articles of value	Item			
53	B2.13: Inspection of nearby properties, etc	Item			
	<u>B3: Management of contract</u>				
54	B3.1: Management of works	Item	1		
	The contractor will provide on site at least one qualified construction professional with relevant experience				
55	B3.2: Programming of the works	Item			
	The contract shall be programmed by the contractor in accordance with Alternative B.				
56	B3.3: Progress meetings	Item			
57	B3.4: Technical meetings	Item			
	<u>B4: Materials and workmanship</u>				
58	B4.1: Samples of materials	N/A			
59	B4.2: Samples of workmanship and mockups	Item			
60	B4.3: Ordering of materials	Item			
	<u>B5: Temporary works and plant</u>				
61	B5.1: Deposits and fees	Item			
62	B5.2: Enclosure of works	N/A			
	Bill No.1				
	Section 1 - Preliminary and General				
	Carried Forward				N\$ -

ALTERATIONS AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
63	B5.3: Pavement crossings and parking meters	N/A			
64	B5.4: Advertising	N/A			
65	B5.5: Plant and equipment	N/A			
66	B5.6: Special scaffolding No special scaffolding is measured as these Bills of Quantities are based on the latest edition of the Standard System for Measuring Building Work.	Item			
67	B5.7: Contractor's offices and sheds Under NO circumstances may any of the buildings at any stage be used for temporary accommodation for workers, contractor's offices or the storage of materials.	Item	1		
68	B5.8: Offices	Item			
69	B5.9: Office of the clerk of works	N/A	1		
70	B5.10: Main noticeboard	N/A			
71	B5.11: Sub-contractors' noticeboard	N/A			
	<u>B6: Temporary services</u>				
72	B6.1: Water The contractor shall provide water for the works in accordance with Alternative A.	Item	1		
73	B6.2: Electricity and lighting The contractor shall provide electricity for the works in accordance with Alternative A.	Item	1		
74	B6.3: Telephones	N/A			
75	B6.4: Toilets The contractor shall provide toilets in accordance with Alternative A.	Item	1		
	Bill No.1 Section 1 - Preliminary and General	Carried Forward			N\$ -

ALTERATIONS AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	<u>B7: Prime cost and provisional amounts</u>				
76	B7.1: Cash discount All prime cost items and provisional sums are nett and do not include a cash discount, nor will the Contractor be allowed or be entitled to a cash discount.	N/A			
77	B7.2: Taking delivery and fixing of prime cost items	N/A			
78	B7.3: Nominated or selected sub-contract documents	N/A			
79	B7.4: Attendance on nominated or selected sub-contractors	N/A			
80	B7.5: Fuel, power and water for commissioning of mechanical and other specialised installations	N/A			
	<u>B8: Financial aspects</u>				
81	B8.1: Sales taxes Delete the whole of this clause and replace with the following clause 8.1 Taxes, etc	N/A			
82	B8.1: Taxes, etc Provision is made in the summary of these Bills of Quantities for the inclusion of Value Added Tax (VAT).	N/A			
83	B8.2: Contract Price Adjustment Provisions This is a fixed price Contract	N/A			
84	B8.3: Payment of Preliminaries Payment of preliminaries will be calculated from the priced items within the preliminaries in accordance with Alternative B.	N/A			
85	B8.4: Adjustment of Preliminaries The adjustment of preliminaries will be on the basis of fixed price, value related and time related items in accordance with Method 2. In addition to the exclusions mentioned in the third paragraph of this clause it shall be deemed that "day works" be added as a fourth exclusion.	N/A			
	Bill No.1 Section 1 - Preliminary and General	Carried Forward			N\$ -

ALTERATIONS AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
86	B8.5: Certificate payment projection	N/A			
87	B8.7: Information supplied by contractor	N/A			
	<u>B9: General</u>				
88	B9.1: Protection	N/A			
89	B9.2: Protection of existing and/or partially occupied works	Item	1		
90	B9.3: Safety	Item			
91	B9.4: Site security	Item	1		
92	B9.5: Notice before covering work	N/A			
93	B9.6: Disturbance	N/A			
94	B9.7: Clearing and cleaning	Item			
95	B9.8: Vermin	Item			
96	B9.9: Overhand work	Item			
97	B9.10: Jobbing	Item			
	<u>SECTION C : SPECIFIC PRELIMINARIES</u>				
98	Revenue stamps	N/A			
	The Contractor must allow for and provide all necessary revenue stamps required in connection with the Agreement and Schedule of Conditions of Building Contract and the Performance Guarantee in accordance with the Stamp Duty Act.				
99	Proprietary branded products	N/A			
	The contractor shall take delivery of, handle, store, use, apply and/or fix all proprietary branded products in strict accordance with the manufacturers' instructions after consultation with the manufacturer's authorized representative.				
	Bill No.1	Carried Forward			N\$ -
	Section 1 - Preliminary and General				

ALTERATIONS AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
100	As built drawings The position of construction breaks and the extent of individual concrete pours are to be recorded by the contractor on the structural engineer's drawings and are to be submitted to the the structural engineer for their records. The contractor shall furnish the Engineer with a set of marked drawings indicating the positions of all plumbing and drainage pipe work as actually built.	Item			
101	Site instructions Site instructions issued on site are to be recorded in triplicate in a site instruction book which is to be maintained on site by the contractor.	Item			
102	Labour record At the end of each week the contractor shall provide the Principal Agent with a written record, in schedule form, reflecting the number and description of tradesmen and labourers employed by him and all sub-contractors on the works each day.	Item			
103	Plant record At the end of each week the contractor shall provide the Principal Agent with a written record, in schedule form, reflecting the number, type and capacity of all plant, excluding hand tools, currently used on the works.	Item			
104	Protection of trees Only those trees as are indicated by the Engineer shall be removed. All other trees are to be protected during the building operations and no workmen may damage these trees in any way. The Contractor is to note that some trees may occur within the area of building operations. Before removing such trees, the Contractor is to obtain specific instructions from the Engineer as whether such trees may be removed or not.	N/A			
	Bill No.1 Section 1 - Preliminary and General	Carried Forward			N\$ -

ALTERATIONS AND ADDITIONS TO EVULULUKO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
105	Letter of Intent for the issue of a Performance Guarantee The Tenderer shall within seven (7) days of having being requested to do so submit to the Engineer a letter of intent from the Tenderer's Namibian Bank or Insurance Company indicating their intent to provide a performance guarantee in favour of the Employer in the event that the Tenderer is awarded the contract.	N/A			
	Bill No.1 Section 1 - Preliminary and General	Carried Forward to Summary			N\$ -

ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>SECTION NO. 2 - ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING</u> <u>BILL NO. 1</u> <u>ALTERATIONS (PROVISIONAL)</u> Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith. The Contractor is to allow in his prices for temporary storing all re-usable material securely on site. The Contractor shall be responsible for compiling a complete list of all re-usable material which will be presented to the Client for verification. All material removed and not re-used on this project, except brickwork and concrete, is to be handed to the Employer. Said material is to be transported to the storage and a signed receipt therefore must be obtained from the Employer's representative. All redundant material is to be removed to an approved dump site. <u>REMOVAL OF EXISTING WORK</u> <u>Demolish, Removal and disposing of Material from existing water Fountain next to the Centre</u>				
1	One brick wall	Sum	1		-
	<u>Taking out and removing doors, windows, etc. from brickwork to be demolished and set aside for re-use</u>				
2	Single door a not exceeding 2,5m2	No	5		-
3	Blocken Glazed window not exceeding 2,5m2	No	4		-
4	Removing of Existing Fence, Gates and transport material to destinated site as pointed out by the Client	Sum	1		Rate Only
5	Dismatle, Remove, Transport Material from Existing Buildings /Corrugated Iron Storage shed onsite next to the Centre and dispose rubbles elsewhere	Sum	3		-
6	Remove and demolish Existing Concrete apron around the Building	Sum	1		-
	Bill No.1 Carried Forward				N\$ -
	Alterations and Removals (Provisional)				

ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	<u>BUILDING UP OPENINGS</u>				
	<u>Brickwork in NFP bricks in class II mortar in building up openings of the open shade veranda on the eastern side of the Community Center</u>				
7	One brick walls	m2	2		-
	<u>MAKING GOOD OF FINISHES ETC</u>				
	<u>Making good internal cement plaster Inside the Community center with plaster and approved wall fill to prepare the surface for smooth painting.</u>				
8	Walls in patches	m2	200		-
	<u>Making good external cement plaster Inside the Community center with plaster and approved wall fill to prepare the surface for smooth painting including crackfillings</u>				
9	Walls in patches	m2	144		-
	<u>openings (include window and door reverangeS)</u>	m2	15		-
	<u>Supply and complete installation of new doors</u>				
10	Single/Double door 1600 x 2100mm high overall in two equal leaves complete with ironmongery, etc. (D2)	No	4		-
	Bill No.1 Carried Forward to Summary Alterations and Removals (Provisional)				N\$ -

ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 2</u>				
	<u>EARTHWORKS</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Nature of ground</u>				
	The nature of the ground is assumed to be gravel, therefore "earth", but possibly interspersed with "soft rock" and "hard rock".				
	<u>Carting away of excavated material</u>				
	Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.				
	<u>Filling</u>				
	Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material.				
	<u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u>				
	<u>Excavation in earth not exceeding 2m deep</u>				
1	Trenches	m3	45		-
2	Excavate and backfill the area around the Apron with G6 material obtained from commercial or local approved borrow pits	m3	80		-
	<u>EXCAVATIONS IN STRATA OF A MORE DIFFICULT CHARACTER</u>				
	<u>Extra over trench and hole excavations in earth for excavation in</u>				
3	Soft rock	N/A			
4	Hard rock	N/A			
	Bill No.2				N\$
	Earthworks (Provisional)				-
	Carried Forward				

ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	<u>SUNDRIES</u>				
	<u>Risk of collapse of excavations</u>				
5	Sides of trench and hole excavations not exceeding 1,5m deep	m2	15		-
	<u>Keeping excavations free of water</u>				
6	Keeping excavations free of all water other than subterranean water	Item	1		-
	<u>FILLING, ETC</u>				
	<u>Filling with selected materials (G7 gravel) obtained by the Contractor and carted onto the site, well watered and compacted in layers, each not exceeding 150mm thick to a minimum density of 98% Mod AASHTO at O.M.C</u>				
7	Under floors and apron etc in accordance with SABS 1200 DM	m3	70		-
	<u>Coarse river sand filling supplied by the Contractor</u>				
8	50mm Thick layer of approved clean earth filling laid over poisoned areas under floors and Apron	m2	126		-
	<u>Compaction of surfaces</u>				
9	Compaction of ground surface under floors, aprons etc including scarifying for a depth of 300mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASHTO density	m2	140		-
	Bill No.2				N\$ -
	Carried Forward				
	Earthworks (Provisional)				

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ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO. 3</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p>Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.</p> <p>Formwork to soffits of (solid) slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described</p> <p>Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"</p>				
	<p>Bill No.3</p> <p>Carried Forward</p> <p>CONCRETE, FORMWORK AND REINFORCEMENT</p>				<p>N\$</p> <p>-</p>

ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
	<u>Concrete (15MPa/19mm) in:</u>				
1	Surface blinding under footings and bases	m3	7		-
	<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
	<u>25MPa/19mm concrete</u>				
2	Aprons and Floors cast in panels on waterproofing with a thickness of not more than 200mm	m3	34		-
3	Extra for thickening out 100mm thick apron bed to form footing size 250mm x 250mm deep overall with one splayed edge including all necessary excavation and dressing of soil treatment and waterproofing membrane around same as required	N/A			
	<u>TEST CUBES</u>				
4	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	9		-
	<u>CONCRETE SUNDRIES</u>				
	<u>Finishing top surfaces of concrete smooth with a wood float</u>				
5	Surface beds, slabs, etc to falls and currents	m2	210		-
	<u>REINFORCEMENT</u>				
	<u>Mesh reinforcement</u>				
6	Mesh ref.241 reinforcement in concrete apron etc	m2	106		-
Bill No.3					
Carried Forward to Summary					N\$ -

ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 4</u>				
	<u>MASONRY</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Brickwork</u>				
	Prices for brickwork shall include for setting up and building windows and door frames into position in brick walls, wedging, pinning, building solid against frames, etc., bedding of roof coverings, wall plates, base plates, etc., forming ventilation flues through walls for air bricks, etc., building ends of rafters, purlins, joists, bars, pipes, bolts, etc. into or through brickwork including wrapping in polyethylene sheeting as necessary.				
	<u>Sizes in descriptions</u>				
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick.				
	<u>BRICKWORK IN FOUNDATIONS</u>				
	<u>Brickwork in 7 MPa concrete bricks in Class I mortar</u>				
1	Half brick walls	m2	12		-
2	One brick walls	m2	40		-
	<u>BRICKWORK IN SUPERSTRUCTURE</u>				
	<u>Brickwork in 7 MPa concrete bricks in Class II mortar</u>				
3	Half brick walls	m2	2		-
4	One brick walls	m2	182		-
	<u>BRICKWORK SUNDRIES</u>				
	<u>Brickwork reinforcement</u>				
5	150mm Wide reinforcement built in horizontally	m	540		-
	Bill No.4				
	Carried Forward MASONRY				N\$ -

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ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 5</u> <u>PRECAST CONCRETE</u> Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith. <u>PRECAST CONCRETE</u> Prices must include for all necessary moulds and for any reinforcement necessary for handling purposes. <u>PRECAST CONCRETE LINTOLS</u> <u>Prestressed precast concrete lintels including any temporary support</u>				
1	110 x 76mm Lintels not exceeding 3m	m	18		-
	Bill No.5	Carried Forward to Summary			N\$ -
	Precast Concrete				

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ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 7</u>				
	<u>ROOF COVERINGS ETC</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>PROFILED METAL SHEETING AND ACCESSORIES</u>				
	<u>User note:</u>				
	Supplementary preambles in connection with fixing of sheeting and accessories and laps are to be inserted when the Model Preambles for Trades (or other preambles not covering the fixing of sheeting and accessories and laps) are used				
	When the pitch of troughed roof covering is less than 5 degrees or if dustproofing is required then the description of roof coverings "with side laps sealed" is to be used				
	Where roof coverings are fixed on top of rigid board insulation to purlins etc descriptions of roof coverings are to include therefore				
	Note that sheeting is also available in corten steel, stainless steel, copper and aluminium				
	<u>0,58mm Corrugated galvanised steel sheeting in single lengths fixed to steel purlins (elsewhere at 1 000mm centres) with accessories fixed in accordance with the manufacturer's instructions :</u>				
1	Roof covering with pitch not exceeding 25 degrees	m2	86		-
2	Standard ridge capping 550mm girth	m	24		-
	Bill No.7				N\$ -
	Carried Forward to Summary				
	Roof Coverings				

ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 8</u>				
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Descriptions</u>				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete				
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted", the bolts are measured elsewhere				
	<u>SUSPENDED CEILINGS</u>				
	The suspended lay-in ceiling system is to be "Donn Exposed Tee System" or other patent system as approved by the Engineer, suspended from the timber or steel roof construction with all necessary suspension rods, clips, angle cleats, etc. at such centres to ensure a maximum deflection allowance of 1/360th of the span of the cross tee or main runner.				
	Prices for suspended ceilings are to include for all necessary suspension rods at centres as recommended by the manufacturer, splice plates, rivets, concrete fasteners, bolts, welding, fixing plates, etc. to ensure that a rigid suspension system is obtained and for executing the installation in strict accordance with the manufacturer's instructions and specifications.				
	<u>Corrugated Iron Roof Sheeting suspended ceilings fixed to underside of the existing portal with lipped Channel of 75X50X20X2.3 at spacing no more than 1.5m apart</u>				
1	Ceiling suspended not exceeding 2m below purlins.	m2	261		-
	<u>Cornices, etc:</u>				
2	30X30X2.5mm Equal Angle iron Cornices finish plugged to brickwork or concrete, including mitred	m	102		-
	Bill No.8				
	Carried Forward to Summary Ceilings, Partioning, etc				
					N\$ -

ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 9</u>				
	<u>IRONMONGERY</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Finishes to ironmongery</u>				
	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				
	AS Anodized silver				
	AB Anodized bronze				
	AG Anodized gold				
	ABL Anodized black				
	PB Polished brass				
	PL Polished and lacquered				
	PT Epoxy coated				
	SD Sanded				
	<u>DOOR AND WINDOW SUNDRIES</u>				
	<u>Door stops</u>				
1	Union AL8730AS anodised silver floor mounted door stop plugged to concrete floor	No	5		-
	<u>CURTAIN TRACKS</u>				
2	Yokota Kanda or other approved open double track curtain rail complete with rollers, end stops, etc. fixed to brickwork	m	24		-
	Bill No.9				
	Ironmongery				
	Carried Forward to Summary				
					N\$ -

ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 10</u>				
	<u>METALWORK</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Descriptions</u>				
	Descriptions of bolts shall be deemed to include nuts and washers				
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described				
	<u>WELDED SCREENS, GATES, ETC</u>				
	<u>Security gates</u>				
1	Single gate to suit door opening 813 x 2032mm high overall, formed of 40 x 40 x 2,5mm hollow section frame divided in two panels with two 40 x 40 x 2,5mm horizontal intermediate middle rails 200mm apart and filled in with 3mm thick mild steel plate, each panel filled in with five 15 x 15 x 2mm hollow section vertical bars at equal centres, the entire gate hung on and including three 100mm steel weld-on lift-off hinges fitted onto 3mm thick mild steel plate welded into both sides of rebate of metal frame (elsewhere) including "Union L-21315-40PL" or similar approved narrow style cylinder deadlock suitable for masterkeying with striking plate and "Union 5375-05AS" or similar approved escutcheons and with 3mm mild steel plate 75 wide x 200mm high welded to gate frame to cover lock bolt (paintwork elsewhere) (D10)	No	4		-
	<u>STEEL WINDOWS</u>				
	All windows are to be supplied complete with the following fittings where required:				
	<u>Hinges:</u>				
	Wispeco standard chromium plated hot rolled hinges with brass pins.				
	Bill No.13	Carried Forward			
	Painting				
				N\$	-

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ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 11</u>				
	<u>PLASTERING</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>INTERNAL PLASTER</u>				
	<u>One coat compo plaster on brickwork steel floated smooth as described</u>				
1	On walls	m2	182		-
2	On narrow widths	m2	12		-
	<u>EXTERNAL PLASTER</u>				
	<u>One coat 4 to 1 sand/cement cement plaster wood floated smooth as described</u>				
3	On walls	m2	288		-
4	On narrow widths	m2	15		-
Bill No.11	Carried Forward to Summary				N\$ -
Plastering					

ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 12</u>				
	<u>TILING</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Descriptions				
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing				
	<u>First grade glazed ceramic wall tiles (PC=N\$ 130-00/m2 VAT excluding) fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted waterproof jointing compound</u>				
1	On walls	N/A			
2	On narrow widths	N/A			
	<u>FLOOR TILING</u>				
	<u>Ceramic floor tiles (N\$ 300-00/m2 - VAT excluding) fixed with adhesive to screed according to manufacturers specifications</u>				
3	On floors and landings (inside Rooms and the Hall)	m2	204		-
4	Skirtings 100mm high	42	174		-
	<u>SUNDRIES</u>				
	<u>PVC</u>				
5	Tile edge trim cut to lengths and bedded in tile adhesive.	m	42		-
	Bill No.12				N\$ -
	Tiling				
	Carried Forward to Summary				

ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 13</u>				
	<u>PAINTWORK</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	All paints are to bear the SABS mark and are to be applied in strict accordance with the manufacturer's instructions.				
	Descriptions of paintwork shall be deemed to include for all cutting				
	Cellulose fillers such as "Polyfilla" and "Aurora" are not acceptable and all stopping of surfaces to be painted shall be filled with "Polycell Mendall 90" in strict accordance with the manufacturer's instructions.				
	Prices for paintwork are to include for masking and protecting of all finished paintwork and all finished joinery, tiling, floor coverings, etc. during painting. Any damage to such finished work shall be removed, repaired or replaced at the Contractor's own expense.				
	The Contractor shall provide all necessary dust sheets, covers, etc. required during painting. All door handles, locks and other ironmongery, pelmets, electrical switch and socket covers, etc. are to be removed before commencing the painting and are to be refitted after completion of the painting. All paint spots, stains, etc. are to be cleaned off all floors, walls, glass, doors, frames, fittings, etc. after completion of the painting.				
	Prices for painting are to include for painting a one square metre sample panel of all finishing coats and for repeating if required. Only after written approval from the Architect may the finishing coats be applied.				
	Prices for all paintwork are to include for all colours which have a value of 8 or higher on the Munsell system in accordance with the relevant SABS specification.				
Bill No.13	Carried Forward				N\$ -
Painting					

ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	<u>PAINT SPECIFICATIONS</u>				
	All painting shall be done in accordance with "Plascon Paints" specifications				
	<u>PAINTWORK, ETC TO NEW WORK ON</u>				
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>				
	<u>Prepare and apply one coat primer, one coat "Neo" X176 acrylic first coater and two coats "Neo" Double Velvet superior acrylic sheen PVA paint</u>				
1	On internal walls	m2	182		-
	<u>ON SMOOTH CONCRETE</u>				
	<u>One coat bonding liquid and two coats "Peraroll (R-1)" or other similar approved textured paint applied in strict accordance with the manufacturer's specifications</u>				
2	On ceilings and beams	m2	204		-
	<u>Two coats "Neo Stone Sealer" on</u>				
3	On floors	m2	14		-
	<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>				
	<u>Prepare and apply one coat "Plascon" X176 acrylic first coater and two coats "Plascon" Wall & All exterior quality paint</u>				
4	On external walls	m2	216		-
	<u>ON PLASTER BOARD</u>				
	<u>Prepare and apply one coat "Plascon" Merit plaster primer and three coats "Plascon" polvin super acrylic PVA paint</u>				
	<u>ON FIBRE-CEMENT</u>				
	<u>Prepare and apply one coat Plascon Plaster Primer (PP 700) thinned with 20% Spick & Span Mineral Turpentine (AZH 1) and two coats Plascon Plascotex (PTX 900) paint on :</u>				
5	Window cills	m2	5		-
6	Fascias and barge boards	m2	12		-
	Bill No.13				N\$ -
	Painting				
	Carried Forward				

ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	<u>ON METAL SURFACES</u>				
	<u>Prepare, touch up factory primer as necessary and apply one coat Merit universal undercoat and two coats "Plascon" Velvagio gloss enamel paint</u>				
7	On door frames	m2	8		-
8	On windows with burglar bars	m2	6		-
9	On security screens, burglar bars, balustrading and gates (measured flat on both sides)	m2	4		-
10	On rails, bars, pipes, etc not exceeding 300mm girth	N/A			
	<u>Prepare, remove all rust, mill scale and welding spots, prime with Namelcote zinc chromate metal primer (UC.53) and apply one coat "Plascon" or similar approved Merit Universal undercoat and two coats "Plascon" or similar approved Universal gloss enamel paint</u>				
11	On structural steel	m2	48		-
	<u>ON WOOD SURFACES</u>				
	<u>Prepare, knot with Spick and Span oil based wood primer, stop with approved filler and apply one coat Plascon Universal undercoat and two coats "Plascon" Velvagio enamel paint</u>				
12	On flush doors	m2	14		-
	Bill No.13 Carried Forward to Summary				N\$ -
	Painting				

RENOVATION AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>SECTION NO.3- NEW ABLUTION FACILITY</u></p> <p><u>BILL NO. 1</u></p> <p><u>EARTHWORKS</u></p> <p>Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Nature of ground</u></p> <p>The nature of the ground is assumed to be gravel, therefore "earth", but possibly interspersed with "soft rock" and "hard rock".</p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site.</p> <p><u>Filling</u></p> <p>Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material.</p> <p><u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></p> <p><u>Excavation in earth not exceeding 2m deep</u></p>				
1	Trenches	m3	28		-
2	Trenches for sewage Pipes	m3	62		-
	<p><u>EXCAVATIONS IN STRATA OF A MORE DIFFICULT CHARACTER</u></p> <p><u>Extra over trench and hole excavations in earth for excavation in</u></p>				
3	Soft rock	N/A			
4	Hard rock	N/A			
	Bill No.1	Carried Forward EARTHWORKS			N\$ -

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	<u>SUNDRIES</u>				
	<u>Risk of collapse of excavations</u>				
5	Sides of trench and hole excavations not exceeding 1,5m deep	m2	22		-
	<u>Keeping excavations free of water</u>				
6	Keeping excavations free of all water other than subterranean water	Item	1		-
	<u>FILLING, ETC</u>				
	<u>Filling with selected materials (G7 gravel) obtained by the Contractor and carted onto the site, well watered and compacted in layers, each not exceeding 150mm thick to a minimum density of 98% Mod AASHTO at O.M.C</u>				
7	Under floors, pavings, etc in accordance with SABS 1200 DM	m3	12		-
	<u>Coarse river sand filling supplied by the Contractor</u>				
8	50mm Thick layer of approved clean earth filling laid over poisoned areas under floors	m2	20		-
	<u>Compaction of surfaces</u>				
9	Compaction of ground surface under floors, bases, etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 98% Mod AASHTO density	m2	42		-
	Bill No.1				
	Carried Forward				N\$ -
	Earthworks (Provisional)				

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ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 2</u>				
	<u>CONCRETE, FORMWORK AND REINFORCEMENT</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Cost of tests</u>				
	The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect. (Test cubes are measured separately)				
	<u>Formwork</u>				
	Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use. The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself.				
	Formwork to soffits of (solid) slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described				
	Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"				
	Bill No.2 Carried Forward				
	Concrete, Formwork and Reinforcement				N\$ -

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
	<u>Concrete (15MPa/19mm) in:</u>				
1	Surface blinding under footings and bases and septic tank base	m3	2.6		-
	<u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
	<u>25MPa/19mm concrete</u>				
2	Strip footings	m3	7.5		-
	<u>REINFORCED CONCRETE</u>				
	<u>25MPa/19mm concrete</u>				
3	Ramps cast in panels on waterproofing	m3	1		-
4	Extra for thickening out 125mm thick concrete surface bed to form footing size 250mm x 350mm deep overall with one splayed edge including all necessary excavation and dressing of soil treatment and waterproofing membrane around same as required	m	1		-
5	Surface beds cast in panels on waterproofing	m3	3.5		-
6	Septic tank Bases and Top Slab	m3			Rate Only
8	Septic Tank Walls	m3			Rate Only
	<u>TEST CUBES</u>				
9	Making and testing 150 x 150 x 150mm concrete strength test cube (Provisional)	No	6		-
	<u>CONCRETE SUNDRIES</u>				
	<u>Finishing top surfaces of concrete smooth with a power float with a hardener added (0,5kg/m2)</u>				
10	Surface beds, slabs, etc	m2	20		-
	<u>Finishing top surfaces of concrete smooth with a wood float</u>				
11	Surface beds, slabs, etc to falls and currents	m2	40		-
	<u>Finishing top surfaces of concrete smooth with a steel trowel</u>				
	Bill No.2 Carried Forward				N\$ -
	Concrete, Formwork and Reinforcement				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	<u>Expansion joints with 6mm bitumen impregnated softboard between vertical concrete surfaces :</u>				
12	Joint not exceeding 300mm wide between concrete and brick surfaces	m	2		-
	<u>PERMANENT FORMWORK</u>				
	<u>Bondlok 300/50x1mm or similar formwork</u>				
13	Slabs not exceeding 250mm thick propped up exceeding 1,5m and not exceeding 3,5m high	m2			Rate Only
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY II)</u>				
	<u>Rough formwork to sides</u>				
14	Walls on septic tank	m2			Rate Only
15	Edges, risers, ends and reveals not exceeding 300mm high or wide	m2			Rate Only
	<u>MOVEMENT JOINTS, ETC</u>				
	<u>Two layers of 250 micron "Consol Plastic Brickgrip DPC" in slip joints between horizontal concrete and brick surfaces, including cement mortar bed</u>				
16	Not exceeding 300mm wide	m	6		-
17	Vertical between surface beds not exceeding 300mm thick	m	9		-
	<u>REINFORCEMENT</u>				
	<u>High tensile steel reinforcement to structural concrete work</u>				
34	16-32mm Diameter bars	N/A			
35	12mm Diameter bars	kg	20		-
36	10mm Diameter bars	kg	250		-
	<u>High tensile steel dowel bars</u>				
	Bill No.2 Carried Forward				N\$ -
	Concrete, Formwork and Reinforcement				

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ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 3</u>				
	<u>MASONRY</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Brickwork</u>				
	Prices for brickwork shall include for setting up and building windows and door frames into position in brick walls, wedging, pinning, building solid against frames, etc., bedding of roof coverings, wall plates, base plates, etc., forming ventilation flues through walls for air bricks, etc., building ends of rafters, purlins, joists, bars, pipes, bolts, etc. into or through brickwork including wrapping in polyethylene sheeting as necessary.				
	<u>Sizes in descriptions</u>				
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick.				
	<u>BRICKWORK IN FOUNDATIONS</u>				
	<u>Brickwork in 7 MPa concrete bricks in Class I mortar</u>				
1	Half brick walls (For the toilets)	m2	37.2		-
2	Carvity One brick walls (With Concrete in Fill and Mesh Measured elsewhere)	m2	27.09		-
	<u>BRICKWORK IN SUPERSTRUCTURE</u>				
	<u>Brickwork in 7 MPa concrete bricks in Class II mortar</u>				
3	Half brick walls (Tioletts)	m2	101.4		-
4	One brick walls	m2	5		-
	<u>BRICKWORK SUNDRIES</u>				
	<u>Brickwork reinforcement</u>				
5	75mm Wide reinforcement built in horizontally (every Course)	m	370		-
6	75mm Wide reinforcement built in horizontally in foundations (Provisional)	m	1		-
7	150mm Wide reinforcement built in horizontally in foundations (Provisional)	m	1		-
	Bill No.2 Carried Forward				
	Concrete, Formwork and Reinforcement				N\$ -

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ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 5</u>				
	<u>WATERPROOFING</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>DAMPPROOFING OF WALLS AND FLOORS</u>				
	<u>One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course</u>				
1	In walls	m2	37		-
	<u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u>				
2	Under surface beds	m2	72		-
	<u>JOINT SEALANTS, ETC.</u>				
	<u>Two component elastometric polysulphide sealing compound including backing cord, bond breaker, primer, etc. :</u>				
3	6 x 10mm In expansion joints between concrete and brickwork including raking out expansion joint filler as necessary	m	37		-
Bill No.5 Carried Forward to Summary					N\$ -
Waterproofing					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 6</u>				
	<u>ROOF COVERINGS ETC</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>PROFILED METAL SHEETING AND ACCESSORIES</u>				
	<u>User note:</u>				
	Supplementary preambles in connection with fixing of sheeting and accessories and laps are to be inserted when the Model Preambles for Trades (or other preambles not covering the fixing of sheeting and accessories and laps) are used				
	When the pitch of troughed roof covering is less than 5 degrees or if dustproofing is required then the description of roof coverings "with side laps sealed" is to be used				
	Where roof coverings are fixed on top of rigid board insulation to purlins etc descriptions of roof coverings are to include therefore				
	Note that sheeting is also available in corten steel, stainless steel, copper and aluminium				
	<u>0,58mm Corrugated galvanised steel sheeting in single lengths fixed to steel purlins (elsewhere at 1 000mm centres) with accessories fixed in accordance with the manufacturer's instructions :</u>				
1	Roof covering with pitch not exceeding 25 degrees	m2	85		-
2	Standard ridge capping 550mm girth	m			Rate Only
	Bill No.6				N\$ -
	Carried Forward to Summary				
	Roof Coverings				

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ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO. 8</u></p> <p><u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u></p> <p>Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Descriptions</u></p> <p>Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins or shot pinned to brickwork or concrete</p> <p>Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as "bolted", the bolts are measured elsewhere</p> <p><u>SUSPENDED CEILINGS</u></p> <p>The suspended lay-in ceiling system is to be "Donn Exposed Tee System" or other patent system as approved by the Engineer, suspended from the timber or steel roof construction with all necessary suspension rods, clips, angle cleats, etc. at such centres to ensure a maximum deflection allowance of 1/360th of the span of the cross tee or main runner.</p> <p>Prices for suspended ceilings are to include for all necessary suspension rods at centres as recommended by the manufacturer, splice plates, rivets, concrete fasteners, bolts, welding, fixing plates, etc. to ensure that a rigid suspension system is obtained and for executing the installation in strict accordance with the manufacturer's instructions and specifications.</p> <p>Price are to include for all cutting, fitting and trimming around light fittings, air conditioning units, etc.</p>				
Bill No.8	Carried Forward CEILINGS, PARTITIONS AND ACCESS				N\$ -

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brough Forward				N\$ -
	<u>Rhinodeck Fissured suspended ceilings</u> The supporting system is to be by means of 38 x 25mm "Donn T38" galvanised steel main and cross tees with white cappings, to form a 600 x 1200mm grid. The cross tees are to be profile tongued at their ends and slotted into pre-prepared in the adjoining main tees to form an interlocking assembly of stable construction. The grid system is to be suspended by means of main tee suspension brackets, suspension rods with suspension rod joiners hooked into angle cleats or steel ceiling purlins or by means of galvanised steel straps or hanger brackets fixed to timber or steel ceiling purlins. Ceilings are to be set out to suit sizes of rooms with narrower panels around perimeters as required or as shown on the drawings. Prices for ceilings are to include for all necessary articles, items, etc. required, whether separately mentioned or not, to provide a complete installation. Ceiling boards are to be 600 x 1200 x 12mm thick "Rhinodeck Fissured" with S3a revealed edge and are to be laid loose in the grid system and secured with hold-down clips. Where light fittings, ducts, air conditioning or ventilation outlets, etc. occur in the ceiling prices shall include for all necessary additional hangers required to support such fittings. Prices for ceilings are to include for all straight and raking cutting and waste.				
1	Ceiling suspended not exceeding 2m below purlins.	m2	72		-
	<u>Cornices, etc:</u>				
2	Donn LSM 25 shadowline cornice with chrome factory-applied finish plugged to brickwork or concrete, including mitred intersections, etc.	m	42		-
	Bill No.8				N\$ -
	Carried Forward to Summary				
	Ceilings, Partitioning, etc				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 9</u>				
	<u>IRONMONGERY</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Finishes to ironmongery</u>				
	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 AS Anodized silver AB Anodized bronze AG Anodized gold ABL Anodized black PB Polished brass PL Polished and lacquered PT Epoxy coated SD Sanded				
	<u>CATCHES, CABIN HOOKS, ETC</u>				
	<u>DOOR IRONMONGERY</u>				
	<u>Locks</u>				
1	Union L-22315-76SS-2x812NP with "CISA NP 080-10-10-12" Euro profile cylinder mortice lockset fixed to timber door and pressed mild steel frame	No	5		-
	<u>PICTOGRAMS AND SIGNS</u>				
	150mm x 150mm x 3mm Thick "Union" or similar approved natural anodized aluminium pictogram signs engraved in black, fixed with clear silicon, four times holed and screwed to door with and including chromium plated countersunk screws :				
2	IG4/IG5 engraved pictogram	No	5		-
	Bill No.9 Carried Forward IRONMONGERY				N\$ -

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ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>BILL NO. 10</u></p> <p>Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.</p> <p><u>STRUCTURAL STEELWORK</u></p> <p>Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p>Steelwork shall comply with SABS 1200 H : Structural Steelwork, Clauses 1 to 7.</p> <p>All steel sections unless otherwise described shall be "Steel EN 10025-2-S355JR" complying with the latest edition of one or more of the following:</p> <p>EN10025-2 : Hot rolled product of non-alloy structural steels- Part 2 : Technical delivery conditions</p> <p>SABS 657 : Part 1 : Steel tubes for non-pressure</p> <p>SABS 62 : Steel pipes and fittings</p> <p>If required certificates from the manufacturers to be submitted to the Engineers specifying type, designation and grade.</p> <p>All bolts shall be grade 8.8 and are to comply with the latest edition of the following:</p> <p>SABS 135 : ISO Metric black bolts and nuts</p> <p>SABS 13 : ISO Metric precision hexagon head bolts, screws and nuts</p> <p>Description of bolts shall be deemed to include nuts and washers.</p> <p>Description of L-shaped and U-shaped anchor bolts shall be deemed to include for bending, threading, nuts, washers and embedding in concrete.</p> <p>Descriptions of expansion anchors, bolts and chemical anchors and bolts shall be deemed to include nuts and washers and mortices in brickwork or concrete.</p> <p>Welding and electrodes shall comply with the latest edition of the following:</p> <p>SANS 10455 : Covered electrodes for manual arc welding of mild steel and medium high tensile steel</p> <p>SANS 10044 : Welding Part 1, 11 and 111</p>				
Bill No.10	Carried Forward STRUCTURAL STEELWORK				N\$ -

[illegible]

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 11</u>				
	<u>METALWORK</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Descriptions</u>				
	Descriptions of bolts shall be deemed to include nuts and washers				
	Descriptions of expansion anchors and bolts and chemical anchors and bolts shall be deemed to include nuts, washers and mortices in brickwork or concrete				
	Metalwork described as "holed for bolt(s)" shall be deemed to exclude the bolts unless otherwise described				
	<u>STEEL WINDOWS</u>				
	All windows are to be supplied complete with the following fittings where required:				
	<u>Hinges:</u>				
	Wispeco standard chromium plated hot rolled hinges with brass pins.				
	<u>Stays:</u>				
	Decor solid brass peg stay 250mm long complete with fixing screws (Code 1425C).				
	<u>Handles:</u>				
	Decor solid brass casement window handle complete with nylon bush and screws (Code HAHAN 1010).				
	<u>Sliding stays:</u>				
	Decor solid brass sliding stay complete with screws (Code HASLI 2150).				
	All composite steel windows are to be of one piece construction.				
	<u>Standard residential section steel windows with NBP 1 burglar proofing to all opening sections</u>				
30	Window type NE2	No	5		-
	Bill No.11	Carried Forward			N\$ -

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ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 12</u>				
	<u>PLASTERING</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>INTERNAL PLASTER</u>				
	<u>Two coat compo plaster on brickwork steel floated smooth as described</u>				
1	On walls	m2	112		-
2	On narrow widths	m2	2		-
	<u>EXTERNAL PLASTER</u>				
	<u>One coat 4 to 1 sand/cement cement plaster wood floated smooth as described</u>				
3	On walls	m2	102		-
4	On narrow widths	N/A			
Bill No.12	Carried Forward to Summary				N\$ -
Tiling					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 13</u>				
	<u>TILING</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Descriptions				
	Unless described as "fixed with adhesive to plaster (plaster elsewhere)" descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing				
	<u>First grade glazed ceramic wall tiles (PC=N\$ 130-00/m2 VAT excluding) fixed with adhesive to plaster (plaster elsewhere) and flush pointed with tinted waterproof jointing compound</u>				
1	On walls	N/A			
2	On narrow widths	N/A			
	<u>FLOOR TILING</u>				
	<u>Ceramic floor tiles (N\$ 160-00/m2 - VAT excluding) fixed with adhesive to screed according to manufacturers specifications</u>				
3	On floors and landings	m2	72		-
4	Skirtings 100mm high	m	37		-
	<u>SUNDRIES</u>				
	<u>PVC</u>				
5	Tile edge trim cut to lengths and bedded in tile adhesive.	m	15		-
	<u>"Schlüter or similar approved"</u>				
6	Type "Rondec RO 60 AE" or other approved natural anodised aluminium tile edge trim cut to lengths and bedded in tile adhesive	m	3		-
	Bill No.13				N\$
	Carried Forward to Summary				-
	Tiling				

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ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 15</u>				
	<u>PAINTWORK</u>				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	All paints are to bear the SABS mark and are to be applied in strict accordance with the manufacturer's instructions.				
	Descriptions of paintwork shall be deemed to include for all cutting				
	Cellulose fillers such as "Polyfilla" and "Aurora" are not acceptable and all stopping of surfaces to be painted shall be filled with "Polycell Mendall 90" in strict accordance with the manufacturer's instructions.				
	Prices for paintwork are to include for masking and protecting of all finished paintwork and all finished joinery, tiling, floor coverings, etc. during painting. Any damage to such finished work shall be removed, repaired or replaced at the Contractor's own expense.				
	The Contractor shall provide all necessary dust sheets, covers, etc. required during painting. All door handles, locks and other ironmongery, pelmets, electrical switch and socket covers, etc. are to be removed before commencing the painting and are to be refitted after completion of the painting. All paint spots, stains, etc. are to be cleaned off all floors, walls, glass, doors, frames, fittings, etc. after completion of the painting.				
	Prices for painting are to include for painting a one square metre sample panel of all finishing coats and for repeating if required. Only after written approval from the Architect may the finishing coats be applied.				
	Prices for all paintwork are to include for all colours which have a value of 8 or higher on the Munsell system in accordance with the relevant SABS specification.				
	<u>PAINT SPECIFICATIONS</u>				
	All painting shall be done in accordance with "Plascon Paints" specifications				
Bill No.15 Painting	Carried Forward				N\$ -

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	<u>ON INTERNAL FLOATED PLASTER SURFACES</u>				
	<u>Prepare and apply one coat primer, one coat "Plascon" X176 acrylic first coater and two coats "Plascon" Double Velvet superior acrylic sheen PVA paint</u>				
1	On internal walls	m2	112		-
	<u>ON SMOOTH CONCRETE</u>				
	<u>One coat bonding liquid and two coats "Peraroll (R-1)" or other similar approved textured paint applied in strict accordance with the manufacturer's specifications</u>				
2	On ceilings and beams	m2	72		-
	<u>Two coats "Neo Stone Sealer" on</u>				
3	On floors	N/A			
	<u>ON EXTERNAL FLOATED PLASTER SURFACES</u>				
	<u>Prepare and apply one coat "Plascon" X176 acrylic first coater and two coats "Plascon" Wall & All exterior quality paint</u>				
4	On external walls	m2	102		-
	<u>ON PLASTER BOARD</u>				
	<u>Prepare and apply one coat "Plascon" Merit plaster primer and three coats "Plascon" polvin super acrylic PVA paint</u>				
	<u>ON FIBRE-CEMENT</u>				
	<u>Prepare and apply one coat Plascon Plaster Primer (PP 700) thinned with 20% Spick & Span Mineral Turpentine (AZH 1) and two coats Plascon Plascotex (PTX 900) paint on :</u>				
5	Window cills	m2	2		-
6	Fascias and barge boards	m2	1		-
	<u>ON METAL SURFACES</u>				
	<u>Prepare, touch up factory primer as necessary and apply one coat Merit universal undercoat and two coats "Plascon" Velvaglo gloss enamel paint</u>				
7	On door frames	m2	10		-
8	On windows with burglar bars	m2	5		-
	Bill No.15				
	Painting				
	Carried Forward				N\$ -

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	<u>Prepare, remove all rust, mill scale and welding spots, prime with Namelcote zinc chromate metal primer (UC.53) and apply one coat "Plascon" or similar approved Merit Universal undercoat and two coats "Plascon" or similar approved Universal gloss enamel paint</u>				
11	On structural steel	m2	15		-
	<u>ON WOOD SURFACES</u>				
	<u>Prepare, knot with Spick and Span oil based wood primer, stop with approved filler and apply one coat Plascon Universal undercoat and two coats "Plascon" Velvaglo enamel paint</u>				
12	On flush doors	m2	12		-
Bill No.15	Carried Forward to Summary				N\$ -

RENOVATION AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	TENDER AMOUNT N\$
	BILL NO. 13				
	EXTERNAL WORKS & FENCING				
	Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.				
	SITE CLEARANCE, ETC				
	<u>Site clearance</u>				
1	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees (Provisional)	m2	4770		-
	SITE WORKS (PROVISIONAL)				
2	Allow for a Lump Sum amount of N\$ 60 000.00 for any additional site works as instructed by Engineer's e.g connections to maholes, etc.	Prov -Sum	1	60000	60,000.00
3	FENCING				
4	Supply and erection of galvanized security 6m double leaf gates, etc including two coats aluminium paint on metal stays, framing, etc	No	2		-
6	Supply and erection of galvanized security 1.2m single leaf gates, etc including two coats aluminium paint on metal stays, framing, etc	No	2		-
7	Security fencing 1 800mm high vertically formed of 50mm diameter x 2,5mm intermediate posts 3,024mm long with 200mm x 200mm x 5mm thick foot plate welded to pipes and cast into 20MPa unreinforced concrete base size 400mm x 400mm x 500mm deep at 4,000mm centres with four 2,5 galvanised reverse twisted cut wires to each overhang and the 2 000mm vertical height covered with Razor mesh wire fixed at 500mm centres with five 2,5mm straining wire, including all excavation, formwork, etc	m	362		-
8	76mm Outside diameter x 2,0mm wall thickness straining post 2.85m high overall projecting 1 800mm above ground with blank-off cap and other end with 200 x 200 x 5mm sole plate in and including concrete base	No	16		-
	Bill No.13				
	Carried Forward				
	EXTERNAL WORKS & FENCING				

RENOVATION AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	TENDER AMOUNT N\$
		UNIT	QTY	RATE	TENDER AMOUNT N\$
	Brought Forward				-
9	50mm Outside diameter x 2,5mm wall thickness inclined stay 2,4m long with one end bolted to post and other end with 200 x 200 x 5mm sole plate in and including concrete base	No	86		-
10	102mm Outside diameter x 3,0mm wall thickness corner or gate post 2.85m high overall projecting 1 800mm above ground with blank-off cap and other end with 200 x 200 x 5mm sole plate in and including concrete base	No	12		-
11	Concrete ground beam for existing fencing 150mm x 350mm deep including excavation and formwork	m3	21		-
	<u>PAINTING</u>				
12	Two coats aluminium paint on metal stays, framing, etc for perimeter of erven	Sum	1		-
	Bill No.13 Carried Forward to Summary				N\$ -
	External Work				

ADDITIONS TO COMMUNITY CENTRE BUILDING

PAY ITEM REFERS TO	ITEM NO	DESCRIPTION	UNIT	QTY	RATE	TENDER AMOUNT N\$
CALTO 1700		SECTION 4: EARTHWORKS <u>Clearing of Road Shoulders before maintenance works commence.</u>				
B17.01	C1.1	Removing boulders and Clear vegetation: shrubs and grass from the routs as designated on the Map provided by the project Manager. (The rate must cover the cost of loading, transporting, dumping, and any charges for the use of the dumping site). Contractor is urged to be careful when clearing and grubbing, as there is possibility of encountering underground services.				
	C1.1.1	(a) Clearing and grubbing using manual labour	m ²	5500		-
CALTO 3400		PART D: EARTHWORKS (RE-GRAVELLING)				
33.10	D1.1	Roadbed preparation and the compaction of material:				
	D1.1.1	(a) Compaction to 90% of modified AASHTO in 150 mm layer thickness:	m ³	825		-
34.01	D2.1	Pavement layers constructed from gravel imported from commercial borrow pits (Including overhaul):				
	D2.1.1	(h) Bulk Fillings (G6 quality) compacted to: (ii) 95% Mod AASHTO density in 300mm layer thickness (Incl. Over haul)	m ³	1925		-
TOTAL PART E CARRIED TO SUMMARY						-

ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p><u>SECTION NO.5- PROVISIONAL SUMS, ETC</u></p> <p>Attention is directed to the relevant sections of the latest edition of the "Model Preambles for Trades" which forms a part of this Bill and must be read in conjunction herewith.</p> <p><u>NOTES</u></p> <p>Should it be required of the Main Contractor to execute some work it will, where applicable, be measured and valued at bill or agreed rates on completion.</p> <p>Profit and attendance on non-nominated/selected sub-contractors will be adjusted in direct proportion to the final value of the selected non-nominated sub-contract according to the percentage mark-ups submitted by the Main Contractor for each selected non-nominated sub-contract.</p> <p>All Provisional Sums and Prime Cost Items included in these Bills of Quantities are nett and items for profit and attendance upon such sums have been included after each provisional sum in this Bill for pricing by the Main Contractor (if desired).</p> <p>All chasing and forming of holes, etc. will be executed by the selected sub-contractor. All making good is to be executed by the Main Contractor.</p> <p>The tender documents for these installations will be issued by the Architect or Consulting Engineer on behalf of the Main Contractor. After approval by the Employer, the Main Contractor shall enter into a non nominated sub-contract with the successful sub-contractor.</p> <p>The Architect or Consulting Engineer shall, in conjunction with the Contractor, prepare a list of specialist sub-contractors from whom tenders are to be called. Approval of selected sub-contractors to be included on the invited tender list shall not be unreasonably withheld by either party.</p> <p>The following specialist work will be executed on a selected non-nominated sub-contract basis between the Main Contractor and the accepted sub-contractor, referred to as the selected non-nominated sub-contractor.</p>				
Bill No.19	Carried Forward				N\$ -
Provisional Sums					

ALTERATIONS AND ADDITIONS TO COMMUNITY CENTRE BUILDING

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Brought Forward				N\$ -
	PROVISIONAL SUMS FOR NON-NOMINATED/SELECTED SUB-CONTRACT WORKS				
	<u>Electrical Installation</u>				
1	Provide the sum of N\$ 60 000 (Sixty Thousand Namibia Dollars Only) for the electrical installation (detailed quotation to be provided or selected subcontractors to be appointed.	Prov-Sum	1		60,000.00
2	Add for profit.	Item	1		5,500.00
3	Allow for general attendance	Item	1		5,500.00
	<u>Air-Conditioning and Ventilation Installation</u>				
	<u>Provide the sum of N\$ 70 000.00 for Structural Steelwork (I-Beams and Lip Channels), reinforcement , for the new Hall extension. Quotation to be approved by Engineer</u>	Prov-Sum	1		70,000.00
	Add for profit.	Item	1		5,500.00
	Bill No.19				
	Provisional Sums				
	Carried Forward to Summary				