

Bethulie BOQ

ITEM NO	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
	<u>SECTION NO.1</u> <u>BILL NO. 1</u> <u>PRELIMINARIES</u> <u>BUILDING AGREEMENT AND PRELIMINARIES</u> 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 The JBCC Principal Building Agreement contract data form an integral part of this agreement The JBCC General Preliminaries (May 2018) publishedby the Joint Building Contracts Committee for use withthe JBCC Principal Building Agreement (Edition 6.2 -May 2018) shall be deemed to be incorporated in thesebills of quantities, amended as hereinafter described The contractor is deemed to have referred to the abovementioned documents for the full intent and meaning of each clause The clauses in the abovementioned documents are hereinafter referred to by clause number and heading only Where any item is not relevant to this agreement such item is marked N/A signifying "not applicable" Where standard clauses or alternatives are not entirely applicable to this agreement such amendments, modifications, corrections or supplements as will apply are given under each relevant clause heading and such amendments, modifications, corrections or supplements shall take precedence not with standing anything to the contrary contained in the above mentioned documents PREAMBLES FOR TRADES				
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	User note 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 interalia 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				
	Carried to Collection				

ITEM NO	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
	<u>STRUCTURE OF THIS PRELIMINARIES BILL</u> 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 <u>PRICING OF PRELIMINARIES</u> Should the contractor select Option A in the contract data for the adjustment of preliminaries, the amounts entered against the relevant items in these preliminaries are to be divided into one or more of the three categories provided namely fixed (F), value related (V) and time related (T) SECTION A: PRINCIPAL BUILDING AGREEMENT <u>Interpretation</u> 1 Clause 1.0 - Definitions and interpretation The following definitions replace corresponding definitions or are added to the definitions in the JBCC PRINCIPAL BUILDING AGREEMENT (Edition 6.2 of May 2018), whatever the case may be ADVERSE WEATHER CONDITIONS: Adverse weather and inclement weather has the same meaning and used interchangeably and means any weather conditions i.e.: Rain, wind, snow, frost, temperature (cold or heat) that are not in the norm for the area where the construction takes place and during which no work is possible on site AGREEMENT: The completed Form of Offer and Acceptance, the completed JBCC® Principal Building Agreement and contract data for organs of state and other public sector bodies, the contract drawings, the priced document and any other documents reduced to writing and signed by the authorised representative or representatives of the parties				
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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	CONSTRUCTION PERIOD: The period commencing on the date of possession of the site by the contractor and ending on the date of practical completion CONTRACT PERIOD: The period commencing on the date of the letter of acceptance and ending on the date of final completion COST FLUCTUATION shall mean contract price adjustment provision (CPAP) for the adjustment of fluctuation in the cost of labour, plant, material and goods as stated in the schedule DEFAULT INTEREST: No Clause GUARANTEE FOR CONSTRUCTION: A security in terms of the DPWI's Guarantee for Construction form/s, obtained by the contractor from an institution approved by the employer [CD] INTEREST: The interest rates applicable on this contract, whether specifically indicated in the relevant clauses or not, will be the rate as determined by the Minister of Finance from time to time, in terms of section 80(1)(b) of the Public Finance Management Act, 1999 (Act No 1 of 1999) as amended, calculated as simple interest, in respect of debts owing to the State, and will be the rate as published by the Minister of Justice and Correctional Services from time to time, in terms of section 1(2) of the Prescribed Rate of Interest Act, 1975 (Act No 55 of 1975) as amended, calculated as simple interest, in respect of debts owing by the State				
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	LETTER OF ACCEPTANCE: The letter of formal acceptance of the Contractor's or Service Provider's Tender / Bid, issued and signed by the Employer PAYMENT CERTIFICATE: A certificate issued at regular agreed intervals [CD] by the principal agent to the parties certifying the amount due and payable in terms of Clause 25.3 PRINCIPAL AGENT: The person or entity appointed by the employer and named in the contract data for organs of state and other public sector bodies. In the event of a principal agent not being appointed, then all the duties and obligations of a principal agent as detailed in the agreement shall be fulfilled by the employer's representative as named in the contract data for organs of state and other public sector bodies TARGETED SUBCONTRACTORS: Subcontractors that must be appointed to a total of 30% or more of the contract sum, by the contractor, projects with a contract sum of the amount determined by the Minister in terms of the latest Preferential Procurement regulations, as may be amended from time to time. F:..... V:..... T:.....	Item			
2	Clause 2.0 - Law, regulations and notices F:..... V:..... T:.....	Item			
3	Clause 3.0 - Offer and acceptance F:..... V:..... T:.....	Item			
4	Clause 4.0 - Cession and assignment F:..... V:..... T:.....	Item			
5	Clause 5.0 - Documents F:..... V:..... T:.....	Item			
6	Clause 6.0 - Employer's agents				
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ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	Clause 6.0 Replace Clause 6.5 with the following: Where the principal agent and/or an agent fails to act or terms of this agreement, the employer shall appoint another Add the following as Clause 6.7: In terms of the clauses listed hereunder, the employer principal agent, notwithstanding other provisions in the clauses 4.2, 14.1.4, 14.4.1, 14.6, 15.1.4, , 15.4.1, 23.1, 23.2, F:..... V:..... T:.....	Item			
7	Clause 7.0 - Design responsibility F:..... V:..... T:..... Insurances and securities (A8-A11)				
8	Clause 8.0 - Works risk F:..... V:..... T:.....	Item			
9	Clause 9.0 - Indemnities F:..... V:..... T:.....	Item			
10	Clause 10.0 Replace Clause 10.1 with the following: The party responsible shall effect and keep the respective insurances [CD] in force, in favour of the employer as beneficiary , from the date of possession of the site until the issue of the certificate of practical completion and with an extension to cover the contractors obligations after the date of practical completion [8.2.2] Add the following as Clause 10.1.5.1: Hi Risk Insurance In the event of the project being executed in a geological area classified as a "High Risk Area", that is an area which is subject to highly unstable sub-surface conditions that might result in catastrophic ground movement evident by sinkhole or doline formation the following will apply				
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ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
11	Add the following as Clause 10.1.5.1.1 Damage to the works The contractor shall, from the date of possession of the site until the date of the certificate of practical completion, bear the full risk of and hereby indemnifies and holds harmless the employer against any damage to and/or destruction of the works consequent upon a catastrophic ground movement as mentioned above. The contractor shall take such precautions and security measures and other steps for the protection of the works as he may deem necessary When so instructed to do so by the principal agent, the contractor shall proceed immediately to remove and/or dispose of any debris arising from damage to or destruction of the works and to rebuild, restore, replace and/or repair the works, at the contractor's own costs 10.1.5.1.2 Injury to persons or loss of or damage to property The contractor shall be liable for and hereby indemnifies and holds harmless the employer against any liability, loss, claim or proceeding arising at any time during the period of the contract whether arising in common law or by statute, consequent upon personal injuries to or the death of any person whomsoever resulting from, arising out of or caused by a catastrophic ground movement as mentioned above The contractor shall be liable for and hereby indemnifies the employer against any and all liability, loss, claim or proceeding consequent upon loss of or damage to any moveable, or immovable property, or personal property, or property contiguous to the site, whether belonging to or under the control of the employer or any other body or person whomsoever arising out of or caused by a catastrophic ground movement, as mentioned above, which occurred during the period of the contract				
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12	10.1.5.1.3 Replace Clause with the following: It is the responsibility of the contractor to ensure that he has adequate insurance to cover his risk and liability as mentioned in 10.1.5.1.1 and 10.1.5.1.2. Without limiting the contractor's obligations in terms of the contract, the contractor shall, within twenty-one (21) calendar days of the date of letter of acceptance, but before commencement of the works, submit to the employer proof of such insurance policy. 10.1.5.1.4 Replace Clause with the following: The employer shall be entitled to recover any and all losses and/or damages of whatever nature suffered or incurred consequent upon the contractor's default of his obligations as set out in 10.1.5.1.1; 10.1.5.1.2 and 10.1.5.1.3. Such losses or damages may be recovered from the contractor or by deducting the same from any amounts still due under this contract or under any other contract presently or hereafter existing between the employer and the contractor and for this purpose all these contracts shall be considered one indivisible whole 10.2 Replace Clause with the following: Where practical completion in sections is required [20.0), or where the works is for alterations and additions, the contractor shall effect and keep in force contract works insurance [10.1.1], supplementary insurance [10.1.2], public liability insurance [10.1.3] and where applicable, removal of lateral support insurance [10.1.4] and other insurances [10.1.5) in favour of the employer as beneficiary 10.6 No Clause Add the following as Clause 10.11 In the event that an insurer dispute the amount of the claim to be paid to the employer, the contractor shall be liable to the employer for the difference between the claim (as determined by the employers QS appointed on the project) made by the employer and the amount that the insurer is willing to pay				
13	F:..... V:..... T:.....	Item			
14	Clause 11.0 - Securities	Item			
	Carried to Collection				

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ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	Add the following as to the relevant related Clauses Add the following to Clause 11.1: In respect of contracts with a contract sum up to R1 million, will be a payment reduction of five per cent (5%) of the In respect of contracts with a contract sum above R1 million, provided in terms of C 1.0 Securities, as stated in the schedule. fifteen (15) working days from commencement date. Should should the contractor fail to provide the employer with the commencement date, the security in terms of C 1.0 Option The payment reduction of the value certified in a payment 25.12.5 11.1.1 No Clause 11.1.2 No Clause 11.2.2 No Clause 11.3 No ClauseReplace Clause 11.4.1 with the following: Hand over the site to the contractor and withhold an amount equal to ten per cent (10%) of each interim payment certificate until practical completion is achieved. The value certified shall be subject to the adjustments in terms of 25.12.6 to 25.12.10. 11.5 No Clause 11.6 No Clause 11.7 No Clause 11.8 No Clause 11.9 No Clause 11.10 No Clause Add the following as Clause 11.11: Where the security as a cash deposit of ten per cent (10%) of the contract sum (excluding VAT) has been selected:				
	Carried to Collection				

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ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	Add the following as Clause 11.11.1: The contractor shall furnish the employer with a cash deposit equal in value to ten percent (10%) of the contract sum (excluding VAT) within fifteen (15) working days from commencement date. Failure to furnish the employer with a cash deposit within fifteen (15) working days Clause 11.4 will apply mutatis mutandis. Add the following as Clause 11.11.2: The employer shall be entitled to recover expense and loss from the cash deposit in terms of Clause 27.0 provided that the employer notifies the Contractor in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor. Add the following as Clause 11.11.3: Within fifteen (15) working days of the date of practical completion of the works the employer shall reduce the cash deposit to an amount equal to three per cent (3%) of the contract value (excluding VAT) and refund the balance to the contractor Add the following as Clause 11.11.4: Within fifteen (15) working days of the date of final completion of the works the employer shall reduce the cash deposit to an amount equal to one per cent (1%) of the contract value (excluding VAT) and refund the balance to the contractor. Add the following as Clause 11.11.5: On the date of payment of the amount in the final payment certificate, the employer shall refund the remainder of the cash deposit to the contractor. Add the following as Clause 11.11.6: The parties expressly agree that neither the employer nor the contractor shall be entitled to cede the rights to the deposit to any third party. Add the following as Clause 11.12: Where security as a variable construction guarantee of ten percent (10%) of the contract sum (excluding VAT) has been selected:				
	Carried to Collection				

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ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	Add the following as Clause 11.12.1: The contractor shall furnish the employer with an acceptable variable construction guarantee equal in value to ten per cent (10%) of the contract sum (excluding VAT) within fifteen (15) working days after issuance of the letter of acceptance. Failure to submit an acceptable variable construction guarantee within fifteen (15) working days Clause 11.4 will apply mutatis mutandis. Add the following as Clause 11.12.2: The variable construction guarantee shall reduce and expire in terms of the Variable Construction Guarantee form included in the invitation to tender. Add the following as Clause 11.12.3: The employer shall return the variable construction guarantee to the contractor within fourteen (14) calendar days of it expiring. Add the following as Clause 11.12.4: Where the employer has a right of recovery against the contractor in terms of 27.0, the employer shall issue a written demand in terms of the variable construction guarantee. Add the following as Clause 11.13: Where security as a fixed construction guarantee of five per cent (5%) of the contract sum (excluding VAT) and a five per cent (5%) payment reduction of the value certified in the payment certificate (excluding VAT) has been selected: Add the following as Clause 11.13.1: The contractor shall furnish a fixed construction guarantee to the employer equal in value to five per cent (5%) of the contract sum (excluding VAT). Add the following as Clause 11.13.2: The fixed construction guarantee shall come into force on the date of issue and shall expire on the date of the last certificate of practical completion. Add the following as Clause 11.13.3: The employer shall return the fixed construction guarantee to the contractor within fourteen (14) calendar days of it expiring. Add the following as Clause 11.13.4: The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5.				
	Carried to Collection				

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	Add the following as Clause 11.13.5: Where the employer has a right of recovery against the contractor in terms of 27.0, the employer shall be entitled to issue a written demand in terms of the fixed construction guarantee or may recover from the payment reduction or from both. Add the following as Clause 11.14.1: Where security as a cash deposit of five per cent (5%) of the contract sum (excluding VAT) and a payment reduction of five per cent (5%) of the value certified in the payment certificate (excluding VAT) has been selected: Add the following as Clause 11.14.2: The contractor shall furnish the employer with a cash deposit equal in value to five per cent (5%) of the contract sum (excluding VAT) within fifteen (15) working days from commencement date. Failure o submit a cash deposit within fifteen (15) working days Clause 11.4 will apply mutatis mutandis. Add the following as Clause 11.14.3: Within fifteen (15) working days of the date of practical completion of the works the employer shall refund the cash deposit in total to the contractor. Add the following as Clause 11.14.4: The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.1 - 25.12.5. Add the following as Clause 11.14.5: Where the employer has a right of recovery against the contractor in terms of 27, the employer may recover from the payment reduction or cash deposit or from both Add the following as Clause 11.15: Where security as a payment reduction of ten per cent (10%) of the value certified in the payment certificate (excluding VAT) has been selected. Add the following as Clause 11.15.1: The payment reduction of the value certified in a payment certificate shall be mutatis mutandis in terms of 25.12.6 to 25.12.10.				
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ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	Add the following as Clause 11.15.2: The employer shall be entitled to recover expense and loss from the cash deposit in terms of 27.0 provided that the employer notifies the Contractor in which event the employer's entitlement shall take precedence over his obligations to refund the cash deposit security or portions thereof to the contractor. Add the following as Clause 11.16: Payments made by the guarantor to the employer in terms of the fixed or variable construction guarantee shall not prejudice the rights of the employer or contractor in terms of this agreement. Add the following as Clause 11.17: Should the contractor fail to furnish the security in terms of 11.2 the employer, in his sole discretion, and without notification to the contractor, is entitled to change the contractor's selected form of security to that of a ten percent (10%) payment reduction of the value certified in the payment certificate (excluding VAT). F:..... V:..... T:..... Execution (A12 - A17) 15 Clause 12.0 - Obligations of the parties Replace Clause 12.1.5 with the following: Give possession of the site to the contractor within ten (10) working days after approval of the Health and Safety Plan or the issue of a construction permit by the Department of Labour, if applicable, after the contractor complied with the terms of 12.2.22 12.1.6 No Clause 12.1.8 No Clause Replace Clause 12.2.2 with the following: The priced Bills must be submitted to the Employer within fourteen (14) calendar days from date of request. Where the priced document contains errors or discrepancies and/or prices considered by the employer or principal agent to be imbalanced or unreasonable the employer or principal agent and the contractor shall adjust such prices without any change to the contract sum				
	Carried to Collection				

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ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	Replace Clause 12.2.5 with the following : Effect and keep in force insurances in favour of the employer as beneficiary where the contractor is responsible for providing insurances [10.0) [CD] Replace Clause 12.2.13 with the following: Designate a competent person full time on site to continuously administer and control the works on site and to receive and implement notices and contract instructions on behalf of the contractor Add the following as Clause 12.2.22: Replace Clause 12.1.5 with the following: Give possession of the site to the contractor within ten the issue of a construction permit by the Department of 12.2.22 12.1.6 No Clause 12.1.8 No Clause Replace Clause 12.2.2 with the following: The priced Bills must be submitted to the Employer within priced document contains errors or discrepancies and/or imbalanced or unreasonable the employer or principal agent to the contract sum Replace Clause 12.2.5 with the following : Effect and keep in force insurances in favour of the providing insurances [10.0) [CD] Replace Clause 12.2.13 with the following: Designate a competent person full time on site to continuously implement notices and contract instructions on behalf of Add the following as Clause 12.2.22: Within fourteen (14) working days of the date of the letter and safety plan, required in terms of the Occupational Health Add the following as Clause 12.2.23: The contractor shall within reasonable time inform the agents 12.0] Offices The contractor shall provide, maintain and remove on principal agent, minimum size 4 x 3 x 3m high internally, and fitted with boarded floor, desk, chair, drawing stool, be kept clean and fit for use at all times [12.2.18]				
	Carried to Collection				

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ITEM NO	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
16	F:..... V:..... T:..... Main notice board The contractor shall provide, erect where directed, maintain x 3m as type Drawing GEN 063, constructed of suitable thick round outer edges and projecting 12mm from face securely fixed to hoarding, where hoarding is provided, tubular posts and braces. The board is to be painted ivory wording shall be inscribed in dark green as per the coat sans serif lettering [12.2.18]	Item			
17	F:..... V:..... Clause 13.0 - Setting out	Item			
18	F:..... V:..... T:..... Clause 14.0 - Nominated subcontractors	Item			
19	F:..... V:..... T:..... Clause 15.0 - Selected subcontractors	Item			
20	Clause 16.0 - Direct contractors Attendance on direct contractors In respect of direct contractors the contractor shall:				
21	F:..... V:..... T:..... Clause 17.0 - Contract instructions	Item			
	Carried to Collection				

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ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	Replace Clause 17.4 with the following: The contractor shall comply with and duly execute all contract instructions except any contract instruction for additional work issued after the date of practical completion other than making good physical loss and repairing damage to the works in terms of 8.0 and 21 Add the following clause as Clause 17.6: Minutes of meetings shall not constitute a site instruction unless reduced to a written contract instruction issued by the principal agent in terms of this contract / agreement. F:..... V:..... T:..... Completion (A18 - A24)	Item			
22	Clause 18.0 - Interim completion	N/A			
23	Clause 19.0 - Practical completion F:..... V:..... T:.....	Item			
24	Clause 20.0 - Completion in sections F:..... V:..... T:.....	Item			
25	Clause 21.0 - Defects liability period and final completion F:..... V:..... T:.....	Item			
26	Clause 22.0 - Latent defects liability period F:..... V:..... T:.....	Item			
27	Clause 23.0 - Revision of the date for practical completion Substitution of materials and goods				
	Carried to Collection				

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ITEM NO	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
	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]				
	F:..... V:..... T:.....	Item			
28	Clause 24.0 - Penalty for late or non-completion				
	F:..... V:..... T:.....	Item			
	Payment (A25 - A27)				
29	Clause 25.0 - Payment				
	F:..... V:..... T:.....	Item			
30	Clause 26.0 - Adjustment of the contract value and final account				
	Clause 26.0				
	Ref Clause 6.7 [CD] – Clause 26.1				
	Omit Clause 26.4.3				
	Ref Clause 6.7 [CD] – Clause 26.7				
	Replace Clause 26.10 with the following: The principal agent shall prepare the final account in contractor within sixty (60) working days of the date of practical				
	Ref Clause 6.7 [CD] – Clause 26.12				
	F:..... V:..... T:.....	Item			
31	Clause 27.0 - Recovery of expense and/or loss				
	F:..... V:..... T:.....	Item			
	<u>Suspension and termination (A28 - A29)</u>				
32	Clause 28.0 - Suspension by the contractor				
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ITEM NO	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
33	F:..... V:..... T:..... Clause 29.0 - Termination	Item			
34	F:..... V:..... T:..... Dispute resolution (A30) Clause 30.0 - Dispute resolution	Item			
	F:..... V:..... T:.....	Item			
SECTION B: GENERAL PRELIMINARIES					
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ITEM NO	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
	<u>Definitions and interpretation (B1)</u>				
35	Clause 1.1 - Definitions F:..... V:..... T:.....	Item			
36	Clause 1.2 - Interpretation F:..... V:..... T:.....	Item			
	<u>Documents (B2)</u>				
37	Clause 2.1 - Checking of documents F:..... V:..... T:.....	Item			
38	Clause 2.2 - Provisional bills of quantities				
39	Clause 2.3 - Availability of construction information F:..... V:..... T:.....	Item			
40	Clause 2.4 - Ordering of materials and goods F:..... V:..... T:.....	Item			
	<u>Previous work and adjoining properties (B3)</u>				
41	Clause 3.1 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item			
42	Clause 3.2 - Previous work - defects F:..... V:..... T:.....	Item			
43	Clause 3.3 - Inspection of adjoining properties F:..... V:..... T:.....	Item			
	<u>The site (B4)</u>				
44	Clause 4.1 - Handover of site in stages				
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	F:..... V:..... T:.....	Item			
45	Clause 4.2 - Enclosure of the works Describe any specific hoarding requirements, other than already described in clause 4.2 or in the contract data F:..... V:..... T:.....	Item			
46	Clause 4.3 - Geotechnical and other investigations F:..... V:..... T:.....	Item			
47	Clause 4.4 - Encroachments F:..... V:..... T:.....	Item			
48	Clause 4.5 - Existing premises occupied F:..... V:..... T:.....	Item			
49	Clause 4.6 - Services - known F:..... V:..... T:.....	Item			
	<u>Management of contract (B5)</u>				
50	Clause 5.1 - Management of the works F:..... V:..... T:.....	Item			
51	Clause 5.2 - Progress meetings F:..... V:..... T:.....	Item			
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52	Clause 5.3 - Technical meetings F:..... V:..... T:.....	Item			
53	<u>Samples, shop drawings and manufacturer's</u> Clause 6.1 - Samples of materials F:..... V:..... T:.....	Item			
54	Clause 6.2 - Workmanship samples F:..... V:..... T:.....	Item			
55	Clause 6.3 - Shop drawings F:..... V:..... T:.....	Item			
56	Clause 6.4 - Compliance with manufacturer's F:..... V:..... T:..... <u>Deposits and fees (B7)</u>	Item			
57	Clause 7.1 - Deposits and fees F:..... V:..... T:..... <u>Temporary services (B8)</u>	Item			
58	Clause 8.1 - Water F:..... V:..... T:.....	Item			
59	Clause 8.2 - Electricity F:..... V:..... T:.....	Item			
60	Clause 8.3 - Ablution and welfare facilities F:..... V:..... T:.....	Item			
	Carried to Collection				

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ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
61	Clause 8.4 - Communication facilities F:..... V:..... T:.....	Item			
62	<u>Prime cost amounts (B9)</u> Clause 9.1 - Responsibility for prime cost amounts <u>User note</u> Where details of materials included in prime cost amounts are not readily available and it is therefore not possible for the contractor to price for waste, the relevant prime cost amount shall be inserted in the bills of quantities as a lump sum with the contractor being given the opportunity to separately price his overheads and profit and for taking delivery, etc as called for in this clause 9.1 of the preliminaries. In such case the fixing only or installation only of the relevant materials shall be provisionally measured for the contractor to price and shall be re-measured upon completion Where details of materials for which prime cost amounts are to be allowed are readily available, the quantity surveyor may elect to insert the relevant prime cost amounts in measured items, which measured items shall contain sufficient detail for the contractor to price for fixing and installation, waste, etc F:..... V:..... T:.....	Item			
63	<u>Attendance on subcontractors (B10)</u> Clause 10.1 - General attendance The contractor shall at his own expense provide the following Access to the site and places where the subcontract temporary personnel hoists erected by the contractor The provision of water and lighting and single phase electric subcontract work is to be carried out but excluding water,				
	Carried to Collection				

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ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	The provision of an area for the subcontractor to establish storage of plant and materials The use of erected scaffolding belonging to the contractor erected on the site The use, at reasonable times by arrangement of the contractor's F:..... V:..... T:.....	Item			
64	Clause 10.2 - Special attendance <u>General (B11)</u>				
65	Clause 11.1 - Protection of the works F:..... V:..... T:.....	Item			
66	Clause 11.2 - Protection/isolation of existing works and works occupied in sections F:..... V:..... T:.....	Item			
67	Clause 11.3 - Security of the works F:..... V:..... T:.....	Item			
68	Clause 11.4 - Notice before covering work F:..... V:..... T:.....	Item			
69	Clause 11.5 - Disturbance <u>Disturbance</u> The contractor shall keep the site, structures, etc well watered during operations to prevent dust and shall provide and erect and remove on completion of the works all necessary temporary dust screens all to the satisfaction of the principal agent F:..... V:.....T:.....	Item			
	Carried to Collection				

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ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
70	Clause 11.6 - Environmental disturbance F:..... V:.....T:.....	Item			
71	Clause 11.7 - Works cleaning and clearing F:..... V:..... T:.....	Item			
72	Clause 11.8 - Vermin F:..... V:..... T:.....	Item			
73	Clause 11.9 - Overhand work F:..... V:..... T:.....	Item			
74	Clause 11.10 - Tenant installations F:..... V:..... T:.....	Item			
75	Clause 11.11 - Advertising F:..... V:..... T:.....	Item			
<u>SECTION C: SPECIFIC PRELIMINARIES</u>					
<u>C1- Community Liason Officer</u>					
76	Allow for a Community Liason Officer (CLO) to be appointed F:..... V:..... T:.....	Item			
77	Allow for net extra cost involved in the employment of a Community Liason Officer (CLO) in respect of the site office F:..... V:..... T:.....	Item			
78	Allow for net extra cost involved in the employment of a Community Liason Officer (CLO) in respect of the toilets				
	Carried to Collection				

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ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	F:..... V:..... T:.....	Item			
	Carried to Collection				

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ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
79	Allow for net extra cost involved in the employment of a Community Liason Officer (CLO) in respect of the sheds F:..... V:..... <u>C2- Local Labour</u>				
80	Allow for regular submission of proof of employment of F:..... V:..... T:..... <u>C3- Local Record</u>				
81	Allow for the provision of weekly reports to in a schedule form for all tradesmen and labour employed on the site (contractor's own staff and subcontractor's staff) F:..... V:..... T:..... Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL <u>COLLECTION</u>				
	Total Brought Forward from Page No.	Page No			
		1			
		2			
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	Carried to Collection			R	

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ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	Section No. 1 PRELIMINARIES AND GENERAL Bill No. 1 PRELIMINARIES AND GENERAL <u>COLLECTION</u> Total Brought Forward from Page No.	Page No 24 25 26			
	Carried to Collection				

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ITEM NO	DESCRIPTION	UNIT	QUAN- TITY	RATE	AMOUNT
	<u>SECTION NO.2</u> <u>BILL NO.1</u> <u>ALTERATIONS</u> SUPPLEMENTARY PREAMBLES For preambles see preambles for all trades GENERAL In taking down and removing existing work, the utmost <u>care shall be taken to avoid any structural or other damage to the remaining portions of the building.</u> contractor shall cover up and protect from injury all not removed and shall make good at his own expense <u>any damage that may occur</u> Provide and erect all casings and protection for and cover up all existing fittings, door, windows, joinery work, <u>walls, floors, etc. not disturbed during the alterations and clear away and make good on completion</u> Prices for demolition of any portion of the structure shall include for its demolition complete with all surface finishes such as plaster, screeds, etc., all attached items of <u>such as skirtings, cupboards, etc., and all reinforcement.</u> conduit pipes, lintels, etc., built into that portion of the structure including the carting away of all rubble, debris, etc. <u>Removal of the alterations to the Electrical and Mechanical installations shall be executed by the</u> Nominated Sub-Contractors and the contractor shall be responsible for the co-ordination of such work with his own				
	TOTAL CARRIED FORWARD				

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ITEM NO	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
	<u>Bill No.2</u> <u>CONCRETE,FORMWORK AND REINFORCEMENT ETC</u> <u>SUPPLEMENTARY PREAMBLES</u> For preambles see preambles for all trades <u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>				
1	25Mpa concrete cast on site 150mm thick floated to smooth finish concrete	m3	6		R -
2	G6 filling compacted at 150mm layers to 98 MOD AASHTO density	m3	33		R -
3	Reinforce Mesh Ref193	m²	38		R -
4	375 Micron Dampproof membrane laid in accordance to engineer specification	m²	38		R -
	TOTAL CARRIED FORWARD TO SUMMARY				R -

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>Bill No.3</u> <u>CARPENTRY AND JOINERY</u> <u>SUPPLEMENTARY PREAMBLES</u> For preambles see preambles for all trades <u>DOORS ETC (Excluding ironmongery and hinges)</u> <u>Meranti</u>				
1	Internal single solid veneer doors	No	32	R	-
2	Internal double doors	No	4	R	-
	TOTAL CARRIED FORWARD TO SUMMARY			R	-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>Bill No.4</u> <u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u> <u>SUPPLEMENTARY PREAMBLES</u> For preambles see preambles for all trades <u>NAILED UP CEILINGS</u> <u>9.5mm Gypsum plasterboard ceilings including 3mm rhinolight finish</u>				
1	Plasterboard Ceilings	m ²	310		R -
	<u>CORNICES</u> 2 Gypsum cornices	m	299		R -
	<u>FIXED PARTITIONS</u> <u>"GypRoc Drywall" partition systems</u> <u>"GypRoc Standard System" steel stud partitions with both sides clad with one layer of 12,5mm "Taper-edge Rhinoboard"</u>				
3	Partitions 3,6m high with bottom and top tracks plugged including extra overs	m	15		R -
	TOTAL CARRIED FORWARD TO SUMMARY				R -

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>Bill No.5</u> <u>IRONMONGERY</u> <u>SUPPLEMENTARY PREAMBLES</u> For preambles see preambles for all trades <u>HINGES, BOLTS, ETC.</u>				
1	Hinges /butt 3 per door	no.	96	R	-
2	Door stops	no.	32	R	-
	<u>LOCKS, ETC.</u>				
3	4-lever upright lock with door handles included	No	32	R	-
	<u>BATHROOM FITTINGS</u>				
4	Mild steel Toilet Roll Holder 2 Rolls, Lockable, Epoxy Coated White / Code: Tr2	no.	4	R	-
5	500ml Wall soap dispenser, manual operatable, lockable and refillable, colour: white	no.	4	R	-
6	32mm Ø "305 stainless steel" back grab rail 206 x 750mm long, plugged.	no.	1	R	-
7	32mm Ø "305 stainless steel" DL2 Dog-Leg side grab rail 80 x 900mm long, plugged.	no.	1	R	-
8	Grabrail: "Chairman Industries" 32 mm stainless steel side grab rail (code DI2) or equal approved	no	1	R	-
	TOTAL CARRIED FORWARD TO SUMMARY			R	-

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>Bill No.7</u> <u>PLUMBING & DRAINAGE</u> <u>SUPPLEMENTARY PREAMBLES</u> For preambles see preambles for all trades <u>SANITARY FITTINGS</u>				
1	Supply and install(complete with fittings),small white wall hung basin.	No.	4		R -
2	Protea Paraplegic pan complete with 9litre cistern with extended paraplegic flush mechanism and heavy duty toilet seat and cover.	No.	1		R -
3	Supply and install complete toilet system	No.	7		R -
4	Supply and install disabled wash hand basin	No.	1		R -
	TOTAL CARRIED FORWARD				R -

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>Bill No.8</u> <u>PAINTWORK</u> <u>SUPPLEMENTARY PREAMBLES</u> For preambles see preambles for all trades <u>ON EXTERNAL WALLS</u> <u>One coat alkali resistant primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u> 1 Previously painted external walls m ² 390 R - <u>ON INTERNAL WALLS</u> <u>One coat alkali resistant primer and two coats low odour premium quality highly washable and stain resistant acrylic emulsion paint for interior use</u> 2 Previously painted internal walls m ² 960 R - <u>ON METAL SURFACES</u> <u>One coat water based primer and two coats premium quality polyurethane enamel paint, on galvanised steel</u> 3 On Roof m ² 324 R - <u>ON INTERNAL GYPSUM PLASTER SURFACES</u> <u>One coat primer and two coats superior quality acrylic emulsion paint for interior and exterior use</u> 4 On Ceilings m ² 310 R - 5 On Cornice m 400 R -				
	TOTAL CARRIED FORWARD TO SUMMARY				R -

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ITEM NO	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
	Bill No.9 <u>PROVISIONAL SUMS</u> <u>SUPPLEMENTARY PREAMBLES</u> For preambles see preambles for all trades All provisional sums cover supply of material and equipment and installation where applicable by firms of specialists.Provisional sums are nett and do not include builder's discount but the tenderer may allow under "Profit" items any profit he considers necessary. The tenderer is referred to Clause B7.3 in the "PRELIMINARIES" Bill for the definitions and adjustment of "Attendance". <u>SELECTED SUBCONTRACTS</u> THE FOLLOWING PROVISIONAL SUMS ARE FORWORK TO BE EXECUTED BY SELECTED SUBCONTRACTORS The following Provisional Sums are for specialists work to be executed by a Selected Sub-contractor who upon appointment in terms of the Conditions of Contrac shall be deemed to be a DomesticSub-Contractor to the Contractor. A Selected Sub-contractor shall be a Sub-contractor executing work for which a sum of money is provided for in the Bills of Quantities or a Sub-contractor executing additional specialist work which arises as a result of an instruction by the Architect. Tender documents for such work or documentation for quotations shall be prepared in consultation with and to the approval of the Contractor and such tender document shall be issued by the Architect to a list of tenderers agreed upon between the Architect and Contractor. Tenders shall be submitted to the Architect. Page The Selected Sub-contractor shall be chosen by the Architect and the Contractor, and the Contractor shall satisfy him self that such selected sub-contractor can meet the requirements of the Sub-contract agreement and the Contractor shall inform the Architect accordingly.				
	TOTAL CARRIED FORWARD				

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ITEM NO	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
	The procedure relating to the method of selection, obtaining of tenders or quotations ,adjudication there of and the appointment of the Selected Sub-contractor shall not create any contractual relationship between the Client and the SelectedSub-contractor. <u>BILL NO 1</u> <u>METALWORK</u> <u>ALUMINIUM WINDOWS, SHOPFRONTS, DOORS, ETC</u> Note: All glazing and windows are to comply with SANS 10400 - N:2010, NBR's and AAAMSA Standards and regulations <u>Powder coated aluminium windows formed of 75 x 35 x 2mm aluminium frame as per Wispeco 'clipfront 44' or equal or other approved with and including 7.38mm smart glass clear intruderprufe with low e coating including necessary ironmongery properly fixed to brickwork or concrete including silicon sealing all around both sides Colour: To match existing</u> <u>ALLUMINIUM WINDOWS</u> Provisional Sum of R150 570 for the installation of Alluminium Windows to existing Window openings. Allow profit and attendance <u>BLINDS</u> Provisional Sum of R100 000 for the installation of Alluminium Blinds to existing Window openings Allow profit and attendance <u>BUIT-IN-CUPBOARDS</u> Allow the provisional sum of Thirty Thousand Rand (R30 000.00) for Buit-in-cupboards Allow for profit and attendance				
		ITEM	1		R -
		%	10%		R -
		ITEM	1		R -
		%	10%		R -
		ITEM	1		R -
		%	10%	R -	R -
	TOTAL CARRIED FORWARD				R -

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Bill No.10 SITE WORK FENCING <u>SUPPLEMENTARY PREAMBLES</u> For preambles see preambles for all trades Steel Security fence coating galvanized panel high density mesh panel aperture size (centres) 76.2x 12.7mm high x 3mm diameter wire with deep each primer and epoxy enamel finish/ PVC coat all as per manufacturers specification. Security fence high density mesh panel complete security fencing system in panels 3305 x 2400mm high from NGL, including taper locking post 2400mm space high from NGL at 3.305m c/c, with concrete footings (measure elsewhere) etc. complete. GATES Security mesh fence Sliding gate size 5.5 x 2.4m high, including sliding rail cast in concrete(measure elsewhere), complete with wheels, spikes, extra large lock, etc. for sliding gate. Colour: Black Security mesh fence Pedestrian swing gate size 1.2 X 2.4m high, hung with 3 barrel hinges, spikes, large ultra lock and key set, complete. Colour: Black Bill No.3 CONCRETE Concrete Footings: 400 X 400 X 600mm deep @25MPa Concrete Strip at Sliding Gate: 14000 X 250 X 250mm deep @ 25MPa	m	268		R -
		No	2		R -
		No	1		R -
		m³	21		R -
		m³	7,35		R -
	TOTAL CARRIED FORWARD TO SUMMARY				R -

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	PART B <u>ELECTRICAL WORKS</u> <u>BILL NO. 1</u> <u>BILL NO. 1</u> <u>ELECTRICAL</u>				
1.	Luminaires Supply, install and connect luminaires complete with lamps, fixings, brass screws, washers, etc.: (all light fittings samples shall be approved by the electrical engineer prior to placing orders). NOTE: All LED fittings to be equipped with Class 2 electronic ballasts and downlighters				
1.1	Suspended Ceiling Frosted White 600x600	No	40		R -
1,2	2 x PL9 Bulkhead Clear	No	14		R -
1,3	Complete Floodlight LED 200W,220V,6000K.	No	9		R -
1,4	Complete downlight fitting 6W	No	15		R -
1,5	Complete 4FT Vapour Proof Double Tube LED Fitting 2x24	No	8		R -
2	Light Switches Supply and Install switches complete with steel cover plate fixed in flush box.				
	TOTAL CARRIED FORWARD				R -

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ITEM NO	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
2.2	4X2 Switch 1 Lever, 2-Way	No	2		R -
2.3	4X2 Switch 2 Lever, 1-Way	No	1		R -
2,4	25A Day/Night Control Switch with box	No	4		R -
3	Isolators				
	Supply and Install Isolator outlets complete with cover plate fixed in flush box or surface mount				
3.1	30A Air-Conditioning Isolator Switch with Weatherproof box mounted outside,300mm below roof finishing level.(As per layout)	No	9		R -
3,2	30A Geyser Isolator Switch with Weatherproof box mounted outside ,300mm below roof finishing.(As per layout)	No	2		R -
4.	Switched Socket Outlets				
	Supply and Install switch socket outlets complete with cover plate fixed in flush box.				
4.1	Complete 16A Switch Socket Outlet, chased in the wall on 4X4 galvanised box 300mm AFFL.	No	6		R -
	Supply and Install switch socket outlets complete with cover plate fixed in power skirting.				
4.2	16A Double Euro plugs with a Switch ,mounted on Power Skirting.	No	15		R -
	TOTAL CARRIED TO FORWARD				R -

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ITEM NO	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
7.	Conductors Supply and Install Conductors 600/1000 grade PVC insulated single core copper conductors draw into wire ways conduits etc.				
7.1	House wire 1.5mm Red	m	1500		R -
7.2	House wire 1.5mm Black	m	1500		R -
7.3	House wire 1.5mm Green	m	1500		R -
7.4	Sufix 2,5 mm ² 3core Twin + Earth	m	1000		R -
8	Supply and Install conduits chased into the wall including couplings , female adaptor, male adaptor, bends, etc .				
8,1	20mm PVC Conduit	m	50		R -
8,2	Supply and install underground cable 16mm 3 core	m	75		R -
9	Cable Trunking Supply and install of cable trunking, complete with all fastening materials.				
9.1	Galvanised trunking 3m, 50x50mm	m	140		R -
10.	Conduits boxes Supply and install conduit boxes chased into wall.				
10.1	Bosal conduit box round 50mm galvanised steel R65 side entry one way.	No	8		R -
10.2	Bosal bend 90 round, 50mm galvanised steel R75	No	4		R -
10.3	50mm Hospital Saddle galvanised R10	No	6		R -
	TOTAL CARRIED FORWARD				

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ITEM NO	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
10,5	4X2 galvanised box	No	25		R -
10,6	4X4 galvanised box	No	6		R -
11.	PROVISIONAL SUMS				
	DISTRIBUTION BOARDS				
	Supply and install circuit breakers complete with sheet metal tray, frames, sub frames, bus bars, etc.				
11.1	Allow the provisional amount of (R30 000) Thirty thousand rand to wire Distribution board	item	1		R -
	Attendance	%		10%	R -
	Profit	%		10%	R -
12	Lightning Protection.				
	Allow the provisional amount of (R30 000) Thirty thousand rand for Lightning Protection.	item	1		R -
	Attendance	%		10%	R -
	Profit	%		10%	R -
13	Electrical connection.				
	Allow the provisional amount of (R50 000) Fifty thousand rand for Electrical connection.	item	1		
	Attendance	%		10%	R -
	Profit	%		10%	R -
14	Commission and Test of Complete Installation				
14.1	Inspections and Testing of the complete installations in the presence of the Engineer and certify the results on the latest version of the certificate of compliance for each DB by an accredited person.				
14.2	Labelling of the plugs and switches and DB legend	item	1		R -
	TOTAL CARRIED TO FINAL SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
	PART C				
	<u>MECHANICAL WORKS</u>				
	<u>BILL NO. 1</u>				
	BILL NO.1				
	FIRE SERVICES				
1	FIRE EXTINGUISHERS				
1.1	FOR THE COMPLETE DELIVERY,SUPPLY AND INSTALLATION OF THE FOLLOWING:				
1.1.1	9kg Dry Chemical Powder Fire Extinguishers with cabinet	No	1		
1.1.2	5kg Dry Chemical Powder Fire Extinguishers	No	8		
	5kg Carbon Dioxide Fire Extinguishers	No	2		
1.2	FOR THE COMPLETE DELIVERY,SUPPLY AND INSTALLATION OF THE FOLLOWING:				
	Photo luminescent Direction Arrow	No	11		
	Photo luminescent Fire Extinguisher Sign	No	11		
	GENERAL:				
	(a)All fire extinguisher should be secured to the wall with backing boards.				
	(c)Position for installation will be indicated on site				
	Sub Total 1				
	Bill No. 2				
2.1	FOR THE COMPLETE SUPPLY, DELIVERY AND INSTALATION OF THE FOLLOWING:				
2.1.1	9 000 BTU(R410a inverter) High Wall Split Unit air conditioner	No.	6		
2.1.1	12 000 BTU(R410a inverter) High Wall Split Unit air conditioner	No.	2		
	18 000 BTU(R410a inverter) High Wall Split Unit air conditioner	No.	1		
	GENERAL:				
	TOTAL CARRIED TO FINAL SUMMARY				#REF!

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ITEM NO	DESCRIPTION	UNIT	QUAN-TITY	RATE	AMOUNT
	(a)All out door units must secured to the wall with Galvanized & Power coated Cantilever brackets, including rawl Bolts & Spring Nuts (b)Secure condensate pipes to the wall (c)Position for installation will be indicated on site				
	TOTAL CARRIED TO FINAL SUMMARY				

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ITEM NO	DESCRIPTION				AMOUNT
	FINAL SUMMARY <u>SECTION 1</u> Preliminaries and General <u>SECTION 2</u> <u>Total brought forward from page no.</u> PART A- Building Works PART B- Electrical Works PART C- Mechanical Works 10% Contingency Sub-total Sub-Total 15% VAT	Page 42 48 50			R - R - R - R - R - R - R -
	TOTAL CARRIED TO TENDER (Incl. VAT)				R -