

PRASA MANAGEMENT OFFICES - EXTENSION
 AT PARK STATION
 FOR PRASA CRES
 TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>BILL NO. 1</u> <u>PRELIMINARIES AND GENERAL</u> <u>BUILDING AGREEMENT AND PRELIMINARIES</u> The JBCC Series 2000 Principal Building Agreement (July 2007 edition) prepared by the Joint Building Contract Committee shall be the applicable building agreement, amended as hereinafter described. The JBCC Series 2000 Preliminaries (May 2005 edition) prepared by the Joint Building Contract Committee shall be deemed to be incorporated in these bills of quantities. Contractors are referred to the abovementioned documents for the full intent and meaning of each clause thereof. These clauses are hereinafter referred to by clause number and heading only. Where standard clauses or alternatives are not entirely applicable to this contract such modifications, corrections or supplements as will apply are given under each relevant clause heading and such modifications, corrections or supplements shall take precedence notwithstanding anything contrary contained in the abovementioned documents. Where any item is not relevant to this specific contract such item is marked N/A, signifying "not applicable". <u>PREAMBLES FOR TRADES</u> The Model Preambles for Trades (2008 edition) as 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 Model Preambles will be entertained. Supplementary preambles are incorporated in these bills of quantities to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles. The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles. <u>PRICING OF PRELIMINARIES</u> For the purpose of adjustment of these preliminaries, the amount entered into the amount column in these preliminaries is to be divided into one or more of the three categories provided namely Fixed (F), Value Related (V) and Time Related (T). <u>SECTION A - PRINCIPAL BUILDING AGREEMENT</u> Definitions				
1	Clause 1.0 - Definitions and interpretation. F:..... V:..... T:.....	Item	1	R	-

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Objective and preparations				
2	Clause 2.0 - Offer acceptance and performance obligations.F:..... V:..... T:.....	Item	1		R -
3	Clause 3.0 - Documents.Clause 3.0 is amended by:3.1. Is deleted in its entirety3.3. Is deleted and replaced by the following:Where the employer requires the contractor to waive his lien or right of continuing possession of the works as stated in the schedule, the contractor shall do so prior to taking possession of the works. The waiver shall be according to the JBCC Waiver of Contractors lien Form or such other form as stated in the schedule.The contractor shall simultaneously with the signing of every selected or domestic subcontract, deliver to the Principal Agent an undertaking and cession in respect of contractor"liens which shall mutatis mutandis conform to the JBCC Waiver of Contractors Lien form. F:..... V:..... T:.....	Item	1		R -
4	Clause 4.0 - Design responsibility.4.1. Is amended by the addition of the following:Notwithstanding the provisions of clause 4.1 hereof, where the contractor undertakes the design responsibility of any aspect of the works, he shall, in accordance with the "Form of Indemnity" attached to this document, indemnify and hold free the employer and his agents from responsibility for any claim or proceeding whatsoever due to fault in the design, detailing, calculations, etc., to the extent undertaken by the contractor. In such instances and with regard to those aspects of the work as may be required.In respect of design responsibility undertaken by any nominated or selected subcontractor, such subcontractor shall similarly, indemnify and hold free the employer, his agents and the contractor from responsibility for any claim or proceeding whatsoever due to fault in the design, detailing, calculations, etc., to the extent undertaken by the subcontractor.F:..... V:..... T:.....	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5	the following to the end thereof:- "The authority of the Principal Agent to issue Contract Instructions or to perform duties as may be required for the relevant aspects of the works is delegated to the other Agents as follows. The Principal Agent retain the right to vary these assignments as dictated by the project specific circumstances and agreed to by the Agent and the Employer :- 1. PRINCIPAL AGENTThe Project Manager is to manage, administer and monitor the contracts and processes, including the preparation and co-ordination of the procedures and documentation to facilitate practical completion of the works1.1.Arrange site handover to the contractor1.2.Establish construction documentation issue process 1.3.Agree and monitor issue and distribution of construction 1.4.documentation1.5.Instruct the contractor on behalf of the client to appoint subcontractors1.6.Conduct and record regular site meetings1.7.Monitor, review and approve the preparation of the construction programme by the contractor1.8.Regularly monitor performance of the contractor against the construction programme1.9.Adjudicate entitlements that arise from changes required to the construction programme1.10.Receive, co-ordinate and monitor approval of all contract documentation provided by contractor(s)1.11.Agree quality assurance procedures and monitor implementation thereof by the other consultants and the contractors1.12.Monitor preparation and auditing of the contractor's health and safety plan and approval thereof by the health and safety consultant1.13.Monitor preparation of the 1.14.management plan by the environmental consultant1.15.Establish procedures for monitoring scope and cost variations1.16.Monitor, review, approve and issue	Item	1		R -
6	Clause 6.0 - Contractor's site representative.6.1.Is amended by the addition of the following: Refer to Section B Clause 4.1 for specific requirements. F:..... V:..... T:.....	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
7	reserves the right to pay direct (i.e. not through the contractor) for all or any permanent connections to local or other authority services, for which provisional amounts have been included within the selected sub-contract bill / section hereof. In the event of the employer paying direct for these charges, the contractor will not be entitled to a ten percent (10%) mark-up in terms of Clause 32.4. All such provisional amounts included in the contract sum will be omitted.7.3. Health and Safety Specification - the contractor shall comply with the requirements of the Occupational Health & Safety Act (85/1993) and the February 2014 Construction Regulations. The employer will appoint an independent safety officer who will, in consultation with the contractor, draw up and agree the construction phase health and safety plan / specification. This health and safety specification will form an integral part of the principal contract document and will be copied to all subcontractors for inclusion, as modified, within their respective scope of works. 7.4."The Contractor acknowledges that the undertaking given in this clause constitutes an agreement in terms of Section 37 (20 of the OHS Act and its regulations, whereby all responsibility for health and safety matters relating to the services performed under this agreement shall be the obligation of the Service Provider. The Contractor shall comply with all the laws and regulations which may be relevant to the services performed under this agreement, it being recorded that the presence of the Contractor's employees, representatives, authorised sub-contractors, machinery, plant equipment and vehicles at the employer's premises shall always be subject to the provisions of the OHS Act and of all other relevant legislation, codes of practice,	Item	1		R -
8	Clause 8.0 - Works riskClause 8.2.3 The Contractor shall be liable for and pay the deductiblesF:..... V:..... T:.....	Item	1		R -
9	Clause 9.0 - Warranties and Indemnities. F:..... V:..... T:.....	Item	1		R -
10	Clause 10.0 - General insurances.10.1.4.The contractor shall effect, as a minimum, the following insurances:a) Insurance to comply with the provisions of the compensation for Occupational injuries and diseases Act 1993b) Contractors liability insurance as listed in the schedulec) All risk cover on all construction plant and allied equipment including site huts and temporary accommodation including plant and machinery hired, leased or loaned. The Employer's interest is to be noted. Furthermore the contractor shall effect and maintain for the duration of the contract Motor Vehicle Liability Insuranced) Insurance in accordance with the Multilateral Motor Vehicle Accident fund no 93 of 1989 amendede) Balance of Third Party Motor Risk including passenger Liability.10.5.The Contractor shall be liable for and pay the policy deductibles in respect of the insurances arranged by the employer where an action or inaction by the contractor is the cause of the claim. F:..... V:..... T:.....	Item	1		R -
11	Clause 11.0 - Special insurances.F:..... V:..... T:.....	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
12	Clause 12.0 - Effecting insurances.12.3.Is amended by the addition of: The parties responsible for effecting the various insurances, shall complete the relevant sections of Annexure E - "Declaration of Insurance" attached.F:..... V:..... T:.....	Item	1		R -
13	Clause 13.0 - Assignment.F:..... V:..... T:.....	Item	1		R -
14	Clause 14.0 - Security 14.3 Is amended to read as follows: The Contractor shall provide security in the form of a variable construction guarantee in terms of Clause 14.4 as stated in the contract data. Such security shall be provided to the employer within twenty-one (21) calendar days of written acceptance of the Contractor's tender. In the event that the value of the works (including adjustments done in terms of CPAP, if applicable) were to increase during the course of the contract by an amount of 15%, or more, of the contract sum, upon written request from the principal agent the contractor shall immediately arrange to have the construction guarantee "Guaranteed sum"increased accordingly, the verified cost of which shall be added to the contract sum. This security is to have an expiry date at no earlier than six months after the final section Practical Completion date.F:..... V:..... T:.....	Item	1		R -
	Execution				
15	Clause 15.0 - Preparation for and execution of the works. F:..... V:..... T:.....	Item	1		R -
16	informed of any limitations or restrictions on working space, any restrictions imposed by existing buildings, any restrictions imposed by any authorities and any limitations on the availability of water, power and sewerage facilities.Access to the works shall be strictly confined to that permitted by the principal agent. The contractor shall be responsible for maintaining such access and reinstating same upon completion.The contractor shall supply One (1) notice boards to the design and specifications approved by the principal agent to be constructed at suitable positions allocated by the principal agentThe contractor shall provide in his/her site office suitable facilities in which the site meetings with the employer's agents could be conductedNo claims for extras arising from the contractor having failed to comply with this clause will be entertained. Protection of Trees "All existing trees and landscaping to be protected and maintained and returned to condition prior to commencement on site, at the end of phases.Existing Services "The survey of the existing services will be included in this contract and the contractor to take note when working in areas.Maintaining access and traffic flow to the entire site throughout the project. The Contractor is to provide Adequate facilities and sufficient personnel to ensure tenant's direct fit-out contractors can attend safety inductions before they start work as and when required by the programme. Adequate toilet facilities are to be provided for tenant's direct contractors that are a reasonable distance from the work area. The contractor is to provide skips for the use of the tenants and these skips are to be replaced on a daily basis or as required. The above provision are to be reviewed and agreed with the Principal Agent before implementation.F:.....	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
17	measures17.1.22.Contractors resources, organisation and management of the contract17.6.Incorrect work due to the default of the Contractor shall be removed and made good at the contractor's cost. Should any such work be accepted by the Principal Agent and should this work involve revision to other work or any other remedial work, then such work, including related professional fees shall be to the cost of the Contractor. Professional fees or other authorised charges in this case shall be payable by the Employer who may deduct same from amounts due or to become due to the Contractor.Inspection of the works by the Principal Agent and other agents are intended as a means of checking the interpretation of the work done and providing clarification and further information where required during the progress of the works. Such inspection shall not in any way relieve the Contractor of his responsibility for ensuring that the work is carried out satisfactorily in all respects, in accordance with the latest agreed programme and in accordance with the Agreement.17.7.Contract instructions issued on site are to be recorded by the principal agent or delegated agent via the following means :1.Contract instruction book to be issued by the contractor and which shall be maintained on site by the contractor. Copies of such contract instructions are to be issued (via email) to the principal agent, Principal Agent, quantity surveyor and the delegated agent responsible for issuing the contract instruction. Only contract instructions issued in such book shall be recognized.2.Electronic format as stipulated by the Principal Agent.17.8.Contract instructions to the Contractor and his sub-contractors will be issued only by the Principal Agent or his authorised agent and must be issued via the Contractor. Copies of	Item	1		R -
18	Clause 18.0 - Setting out of the works The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc. exist in order that the necessary arrangements may be made for the rectification of any such encroachments.18.5.The contractor shall perform tolerance control checks regularly throughout the contract period and report on these at regular intervals to the principal agent in a format approved by the principal agent. Should the contractor fail to comply with this requirement to the satisfaction of the principal agent, progressively as the structure is constructed, the employer shall be entitled to commission a registered land surveyor to do so on the contractor's behalf and at the contractor's expense.18.6.The contractor shall provide general attendance and all reasonable assistance to the above mentioned or any other land surveyor who may be appointed by the employer" F: V: T:	Item	1		R -
19	Clause 19.0 - Temporary works and plant F: V: T:	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
20	Clause 20.0 - Nominated subcontractors. 20.1.4.The Employer reserves the right to split subcontract work (nominated or selected) contained within tender documentation into more than a single subcontract for the execution of the specific work. Such appointment of one or more subcontract shall be at the Employer's discretion and no claims whatsoever will be entertained due to any such reduction in scope of works due to multiple appointments.20.1.5.The nominated subcontract amounts allowed in these bills of quantities include work to be executed in accordance with employers, requirements. The contractor accepts that, such work may, at the principal agent's discretion, be omitted from this contract and executed under separate direct contract/s. The contractor hereby accepts that he shall not be entitled to any profit mark-up on the omitted work and that no claim for loss of profit shall be entertained.20.6.Is deleted in its entirety and replaced with:Where the Contractor fails to provide proof of payment to the subcontractor within seven (7) working days following payment being received from the employer, the employer may instruct the principal agent to certify direct payment to the subcontractor and recover such amount from the contractor. Furthermore, the subcontractor proof of payment is to list the amounts recovered by the contractor from the subcontractor and advise on the reason for the recovery.F:..... V:..... T:.....	Item	1		R -
21	Clause 21.0 - Selected subcontractors.21.1.5.Clause 21 is amended The Employer reserves the right to split subcontract work (nominated or selected) contained within tender documentation into more than a single subcontract for the execution of the specific work. Such appointment of one or more subcontract shall be at the Employer's discretion and no claims whatsoever will be entertained due to any such reduction in scope of works due to multiple appointments.21.1.6.The selected subcontract amounts allowed in these bills of quantities include work to be executed in accordance with employers, requirements. The contractor accepts that, such work may, at the principal agent's discretion, be omitted from this contract and executed under separate direct contract/s. The contractor hereby accepts that he shall not be entitled to any profit mark-up on the omitted work and that no claim for loss of profit shall be entertained.21.6.Is deleted in its entirety and replaced with:Where the Contractor fails to provide proof of payment to the subcontractor within seven (7) working days following payment being received from the employer, the employer may instruct the principal agent to certify direct payment to the subcontractor and recover such amount from the contractor. Furthermore, the subcontractor proof of payment is to list the amounts recovered by the contractor from the subcontractor and advise on the reason for the recovery.F:..... V:..... T:.....	Item	1		R -
22	Clause 22.0 - Employer's direct contractors.22.6.There shall be no privity of contract between the contractor and a direct contractor appointed by the employer. 22.7.Refer to relevant clause in Section C" F:..... V:..... T:.....	Item	1		R -
23	Clause 23.0 - Contractor's domestic subcontractors. F:..... V:..... T:.....	Item	1		R -
	Completion				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
24	of:Where the Contractor, in the opinion of the Principal Agent fails to bring the works or section thereof to practical completion the Employer may, notwithstanding the Contractor's ongoing responsibilities, take possession of any such section and such possession by the Employer shall not be construed as the achievement of practical completion."Should such an instance arise, the principal agent will give notice to the contractor, in writing, that the employer is taking possession without practical completion having been achieved in order to minimize his exposure to any possible expense or loss.The Contractor's responsibilities and liabilities shall remain in full force and effect until, in the principal agent's opinion, the works are practically completed. Access by the Contractor to any such area in possession of Employer, prior to the Contractor's achievement of practical completion.Notwithstanding the provisions of clause 24.8 above the contractor will remain liable to the Employer for penalties for non-completion until such a date as the works or sections of the works is brought to practical completion.24.11.After the issue of the certificate of practical completion entry to the Works to make good any minor defects shall be at such reasonable times as shall be agreed by the principal agent.24.12.The standard state of works to achieve practical completion will include, but not be restricted to:a) All electrical distribution boards supplying the works will be complete, labelled and commissioned with circuit diagrams in place. b) All HVAC plant serving the works shall be complete and commissioned and all operating and maintenance manuals will be available for handover. Where training of Employer's staff is required this will have taken place.c) All wet services supply to the	Item	1		R -
25	Clause 25.0 - Works completion. 25.1.At the time of issuing the works completion list, the contractor shall within fourteen (14) calendar days of issuing thereof, submit and agree a works completion programme with the principal agent. The contractor shall complete the works completion list in terms of the agreed programme. Should the contractor fail to submit a works completion programme within fourteen (14) calendar days, the works completion period shall not exceed sixty (60) calendar days. Where the contractor fails to bring the works to works completion on the date stipulated in the works completion programme, the contractor shall be liable to the employer for the penalty per calendar day for non-completion of the works at a rate of twenty five percent (25%) of the rate stated in the schedule.F:..... V:..... T:.....	Item	1		R -
26	Clause 26.0 - Final completion 26.7.Is amended by the addition of the following clause:The certificate of final completion will not be issued until such time as formal record of the cession of all guarantees, warranties and indemnities have been formally ceded by the contractor to the employer26.8.The contractor shall attend to defects during the defects liability period on a progressive basis, to the satisfaction of the principal agent, and will not be permitted to wait until the end of the defects liability period or until the amount of defects accumulates in order to attend to a comprehensive list of defectsF:..... V:..... T:.....	Item	1		R -
27	Clause 27.0 - Latent defects liability period.F:..... V:..... T:.....	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
28	Clause 28.0 - Sectional completion. F:..... V:..... T:.....	Item	1		R -
29	be amended by the addition of the following:29.1.7.Where the contractor submits a claim for the extension to the construction period in terms of clause 29.1.4 and such actions are applicable only to the contractor, his subcontractors and their employees and are as a result of failure by the contractor to follow proper labour procedures, then an extension to the construction period shall not be granted. 29.4.1.Is deleted and replaced with the following: "Give notice to the principal agent within ten (10) working days of such circumstance."The contractor shall furthermore stipulate as part of this notice, where applicable, when the issue of a contract instruction and/or construction information is required to prevent the potential delay from eventuating. A reasonable period in this regard is deemed to be not less (10) five working days. An information required schedule shall not be deemed valid notification in this regard.Failing any of the above, the contractor shall forfeit submitting any claims for a revision to the date of practical completion related to such circumstance.29.6.2.Is deleted and replaced with the following: The extent of the claim shall be quantified entirely on the basis of the cause and effect to the date of practical completion on the critical path of the programme. This will furthermore take into account effect of progress when the delay ceased as well all reasonable mitigation measures [29.4.2] in the form of, but not limited to rationalization of the critical path.Any cost implications relating to such mitigation, shall be dealt with in accordance with the provisions of the agreement. Failing any of the above, the contractor shall forfeit submitting any claims for a revision to the date of practical completion related to such circumstance.29.10.ACCELERATION29.10.1.Irrespective of whether	Item	1		R -
30	Clause 30.0 - Penalty for late or non-completionF:..... V:..... T:..... Payment	Item	1		R -
31	Clause 31.0 - Interim payment Clause 31.0 is amended by :-(i) Clause 31.9 is amended by the replacement of "Seven (7) calendar days" with "Thirty (30) calendar days" F:..... V:..... T:.....	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
32	Adjustment to the Contract Value Clause 32.0 is amended by the following: Clause 32.2.4. is amended by the deletion of the words "but where the omission of such works varies the circumstances in which the remaining work is carried out, the value of the remaining work shall be determined by the method in terms of 32.2.2." Clause 32.0 is amended by the addition of the following clauses: "32.16 The Employer shall also have the right by notice via the Principal Agent to the Contractor to omit any work covered by provisional amount or prime cost items contained herein. The Contractor shall not be entitled to claim for any loss of mark-up or discount resultant from the omission of any provisional amount or prime cost items. 32.17 The omission of work from the Agreement and the performance thereof either in terms of 32.16 and/or the performance of such work after the construction period in respect of the relevant portion of the work by direct contract by any person in terms of 32.16 shall not entitle the Contractor to any attendance, mark-up, compensation, consideration, loss or damage under this Agreement other than that contained in Clause 22. F:..... V:..... T:.....	Item	1	R	-
33	Clause 33.0 - Recovery of expense and loss. Sub-clause 33.2 shall be amended by the insertion of the words "without prejudice to any other rights that he may have", between the words "Employer" and "may". 33.7. The employer may retain all monies owing to sub-contractor as pre-liquidated contractual damages in the event of the employer terminating the contract as a result of the contractor being placed under business rescue or in liquidation, whether provisionally or finally. F:..... V:..... T:.....	Item	1	R	-
34	Clause 34.0 - Final account and final payment. 34.10. The first sentence of Clause 34.10 shall be deleted and replaced with the following: "The employer shall pay to the contractor the amount certified for payment in the final payment certificate within thirty (30) calendar days of the date of issue of the final payment certificate, subject to the contractor giving the employer a tax invoice for the amount due." 34.15. Interest referred to in sub-clauses above shall be equal to prime rate at the time of the agreement F:..... V:..... T:.....	Item	1	R	-
35	Clause 35.0 - Payment to other parties. F:..... V:..... T:..... Termination	Item	1	R	-
36	Clause 36.0 - Termination by employer - contractor's default. 36.1.3. If the contractor is placed under business rescue or in liquidation, whether provisionally or finally. F:..... V:..... T:.....	Item	1	R	-
37	Clause 37.0 - Termination by employer - loss and damage. F:..... V:..... T:.....	Item	1	R	-
38	Clause 38.0 - Termination by contractor - employer's default. F:..... V:..... T:.....	Item	1	R	-
39	Clause 39.0 - Termination - cessation of the works. F:..... V:..... T:..... Dispute	Item	1	R	-

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
40	Clause 40.0 - Settlement of disputes. F:..... V:..... T:..... Contract agreement <u>SECTION B - PRELIMINARIES</u> Definitions and interpretation	Item	1		R -
41	Clause 1.0 - Definitions and interpretation.F:..... V:..... T:..... Documents	Item	1		R -
42	Clause 2.1 - Checking of documents. F:..... V:..... T:.....	Item	1		R -
43	the addition of the following:The provisional bills of quantities are not to be used for ordering purposes or as a specification for the worksThese provisional bills of quantities have been measured from architect" and engineer" drawings which are appended hereto. No claim whatsoever will be allowed in respect of errors in pricing due to brevity of descriptions of items in the provisional bills of quantities which are fully described when read in conjunction with the relevant specification.The quantities, classes and kinds of work set out in this document do not represent the final quantities, classes and kinds of work eventually required to be done. They are to be regarded as provisional only and not intended to indicate the final extent of the work. The entire contract works, when completed, will be re-measured by the quantity surveyor and/or relevant consultants, who shall determine the final quantities of and classes of work eventually executedThe rates contained in the priced bills of quantities shall apply irrespective of the final quantities, classes and kinds of work actually executed. No claims for extras, loss of profit, variation of rates or other similar claims will be entertained as a result of any variations whatsoever between the quantities of work set out in these bills of quantities and the quantities of work actually executed, nor as a result of any variation whatsoever between the contract sum and the final value of the worksAll prices include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement) patterns, models and templates, plant, temporary works, returning of packing, duties,	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
44	Clause 2.3 - Availability of construction documentation.Is deleted and replaced by:Within 15 (fifteen) calendar days after being appointed to carry out the works, the Contractor shall submit a schedule of information required as well as a long lead procurement schedule for approval by the Principal Agent. The information schedule will indicate the dates upon which construction information is required based on the programme early start dates. The long lead procurement schedule shall indicate the dates upon which selected subcontractor packages per the provisional sum provisions contained in the BOQ are required to be let. These requirements are to be compiled using industry norm procurement lead in periods. Both of the above schedules shall not contain any requirements which are deemed to be unreasonable or premature by the Principal Agent.F:..... V:..... T:.....	Item	1		R -
45	Clause 2.4 - Interests of agentsF:..... V:..... T:.....	Item	1		R -
46	are to allow opposite each item for all costs in connection therewith. All prices to include, unless otherwise stated, for all materials, fabrication, conveyance and delivery, unloading, storing, unpacking, hoisting, labour, setting, fitting and fixing in position, cutting and waste (except where to be measured in accordance with the standard system of measurement) patterns, models and templates, plant, temporary works, returning of packing, duties, taxes, imposts, establishment charges, overheads, profit and all other obligations arising out of the contract. Items left unpriced will be deemed to be covered in prices against other items throughout these bills of quantities and no claim for any extras arising out of the tenderer's omission to price any item will be entertained. Prices for all plant, temporary works, services and other items provided shall include for the supply, maintenance, operating cost and subsequent removal and making good as necessary. The Contractor shall execute work during "Overtime hours and shift work" hours as dictated by the specific requirements of this project and necessary in order to complete the project within the agreed construction period and shall provide such resources and work such overtime hours as necessary. Note that no work such as demolitions, chopping up of tiles, breaking down of walls or any other work which will generate a noise level that would inconvenience existing tenants during trading hours will be allowed whatsoever. The contractor should allow for this work to take place outside normal working hours as agreed with the Principal Agent. Costs for the execution of this work under these conditions shall be included within the Contract sum.F:..... V:..... T:.....	Item	1		R -
47	Clause 2.6 - Tender submissionF:..... V:..... T:.....	Item	1		R -
	The site				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
48	Clause 3.1 - Define works area. Site establishment area will be limited to an area agreed with the Principal Agent with the loading and height restrictions. The contractor should price for all hoardings, gates, security, etc. The site shall not be used for any purpose other than that of carrying out the works. The works shall comprise the area of the building site and the Contractor shall acquaint himself by personal examination of all matters and restrictions which may influence the execution of this contract such as concurrent earthworks, piling, lateral support and services installation operations F: V:..... T:	Item	1	R	-
49	Clause 3.2 - Geotechnical investigation. F:..... V:..... T:.....	Item	1	R	-
50	Clause 3.3 - Inspection of the site. Shall be amended by the addition of the following: In addition, the contractor shall acquaint himself with any limitations or restrictions on working space, any restrictions imposed by existing buildings adjoining the site, any restrictions imposed by any authorities and any limitations on the availability of water, power and sewerage facilities. Access to the works shall be strictly confined to that permitted by the principal agent. The contractor shall be solely responsible for maintaining such access and reinstating same upon completion. The Contractor shall allow hereunder for any additional measures he may require for the execution of the works. F:..... V:..... T:.....	Item	1	R	-
51	Clause 3.4 - Existing premises occupied F:..... V:..... T:.....	Item	1	R	-
52	Clause 3.5 - Previous work - dimensional accuracy F:..... V:..... T:.....	Item	1	R	-
53	Clause 3.6 - Previous work - defects F:..... V:..... T:.....	Item	1	R	-
54	Clause 3.7 - Services - known Reasonable care must be taken in carrying out the works, but all damage to existing services resulting in loss to the employer and tenants will be dealt with on a case by case basis. F:..... V:..... T:.....	Item	1	R	-
55	Clause 3.8 - Services - unknown F:..... V:..... T:.....	Item	1	R	-
56	Clause 3.9 - Protection of trees. F:..... V:..... T:.....	Item	1	R	-
57	Clause 3.10 - Articles of value. F:..... V:..... T:.....	Item	1	R	-
58	Clause 3.11 - Inspection of adjoining properties. F:..... V:..... T:.....	Item	1	R	-
	Management of contract				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
59	to be amended by the addition of the following: 1.1.1."The Contractor shall to the satisfaction of the Principal Agent provide, in addition to the Foreman, the services of an experienced and competent Construction Manager and Site Agent supported by a management team who shall, inter-alia be responsible for all activities of the Contractor and all Subcontractors and in particular:a) Programmingb) Schedulingc) Reportingd) Production of shop drawings and samplee) Procurement and expeditingf) Liaison and co-ordinating of constructiong) Service co-ordination of the mechanical, electrical, specialist electronic and plumbing installationsh) Implementation, management and reporting on the Quality Management System.i) Commissioning, instruction, handover and follow-upj) Monitoring and reporting on building activities taking place off-site.The names and CV" of the Contractor" site management team shall be submitted to the Principal Agent prior to commencement on site and, after agreement of the contractor" project organogram, no changes shall be made nor shall any member of the said team be removed from the site while remaining in the employ of the Contractor without express written approval from the Principal Agent.The personnel provided in terms of item B4.1.1 (g) above shall:a) Have adequate experience in mechanical, electrical and plumbing in this size and nature of constructionb) Be responsible to organize and minute selected sub-contractor (MEP) meetingsc) Be responsible for on site co-ordination of the various MEP servicesd) Be responsible for the interface of the various services e.g. BMS and electrical/mechanical, fire systems and lifts, fire systems and access control systemse) Be responsible for coordinating the pre-	Item	1		R -
60	entirety and replaced with the following:Immediately on award of the contract and prior to commencement on site, the contractor, in conjunction with the principal agent, shall agree the working programme covering the first month of the construction period. Within 15 working days following the commencement of the construction period, the contractor shall prepare and draw up for the principal agent's approval, a working programme for the balance of the works in accordance with the dates given herein, for possession, sectional completion and practical completion and shall be in sufficient details to enable the principal agent to monitor the progress of the works.Notwithstanding that the programme has been drawn up in conjunction with the Principal Agent, the Contractor shall be responsible at all times for maintaining the accuracy, validity and reasonableness of the programme, and the implementation thereof in a format acceptable to the Principal Agent. The contractor shall have at its disposal staff with the experience, technical ability and expertise to ensure that the programming is realistic on a real time basis.The programme shall be compiled based on the critical path method of programming and the critical activities are to be clearly highlighted. It shall be compiled in such a way that logic is not constrained by resource limitations unless specifically agreed otherwise by the Principal Agent.The programme calendar will be based on a 5 day work week. Government Gazette Public Holidays as well Contractors annual holiday periods (as per SAFSEC guidelines noted in the Contract Data) will be the only permitted non workdays to be included in the programme calendar.Documentation will not be available in complete detail at the commencement stage. However	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
61	Clause 4.3 - Progress meetings. Is amended by the addition of:Fortnightly Progress Meetings will be held at the discretion of the Principal Agent. The contractor will be required to table a progress report 48 hours prior to this meeting taking place for review and comment by the Principal Agent. The contents of the progress report will include but not be limited to:Progress reported according to the approved programme. Request for information close out status. Information issue status report reported according to the approved information schedule. Procurement status report reported according to the approved long lead schedule. Long lead procurement status tracking. Current Health and Safety statistics.Shop drawing approval status tracking.Tracking close out of quality inspection reports from all consultants. A fortnightly photographic record is to be provided by the contractor, recording the state of progress of the works. Copies of each photograph annotated with the location and date, are to be made available to the employer via the principal agent.F:..... V:..... T:.....	Item	1		R -
62	Clause 4.4 - Technical meetings. F:..... V:..... T:.....	Item	1		R -
63	Clause 4.5 - Labour and plant records. F:..... V:..... T:.....	Item	1		R -
	Samples, shop drawings and manufactures instructions				
64	Clause 5.1 - Samples of materials. F:..... V:..... T:.....	Item	1		R -
65	Clause 5.2 - Workmanship samples. It is envisaged that mock-ups shall be extensively used to define the accepted standards of workmanship and materials to be used. The contractor shall also prepare and maintain a register of all mock-ups indicating numbers, date, bill of quantities and specification reference, approval and relevant documents.F:..... V:..... T:.....	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
66	drawings, layout drawings, diagrams, illustrations, schedules, performance charts, brochures, operating manuals and other data which are prepared by the contractor or any subcontractor, manufacturer, supplier or distributor and which illustrate manufacturing details and methods of execution of the work. The contractor shall ensure that all shop drawings required for the works in terms of this Contract, all sub-contracts and / or any principal agents instruction, are prepared and submitted timeously in accordance with the following procedure: Three prints of shop drawings of all fabricated work, working or setting out drawings, shop details and schedules shall be submitted to the principal agent for approval. Such work shall not be carried out until such approval has been given. Shop drawings shall be submitted to the principal agent for approval and the contractor is to allow the principal agent a reasonable check period (minimum one week) from the date of receipt of shop drawings, before returning the drawings to the contractor in accordance with the works programme. All submissions shall be prepared in accordance with the contract drawings and specifications and/or principal agents instructions and any deviation shall be specifically highlighted in writing, with a detailed explanation of the reason for such deviation, together with any cost and time implications. Delays in approval of shop drawings due to non-compliance with drawings, specifications and / or principal agents instructions, shall not constitute ground for any claims for delay, extension of time and the like. When the principal agent advises that shop drawings have been approved, the original drawings will be stamped by the principal agent, or any other appropriate way of approving drawings will be used. Thereafter,	Item	1	R	-
67	Clause 5.4 - Compliance with manufacturer's instruction. F:..... V:..... T:..... Temporary works and plant	Item	1	R	-
68	Clause 6.1 - Deposits and fees. F:..... V:..... T:.....	Item	1	R	-
69	Clause 6.2 - Enclosure of the works. The size of the builder's yard will be determined by the requirements of the Contractor and need to be agreed to by the contractor. Should any amendments to the scope of work require a variation to the fence as described above it will be re-measured in accordance with the items measured in the Provisional Bills of Quantities. Hoarding is allowed only to operating areas other hoarding to all areas to be provided by contractor, on all levels where works occur and priced in accordance to the requirements. The Contractor shall ensure that all fences and hoardings are maintained in accordance with the requirements of the local authorities and notify the Principal Agent immediately should it not comply. All fences and hoardings to be maintained to an acceptable standard to the principal agent's approval. No accommodation will be permitted on the site whatsoever. F:..... V:..... T:.....	Item	1	R	-

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
70	Clause 6.3 - Advertising. Clause B6.3 shall be deemed to be amended by the addition of the following: All rights of publication of articles in the media, together with any advertising relating to, or in any way connected with this project shall vest in the Employer. The Contractor together with his Subcontractors shall not, without the written consent of the Employer, cause any statement or advertisement to be printed, screened or aired by the media. All rights of publication of articles in the media, together with any advertising relating to, or in any way connected with this project shall vest in the Employer. The Contractor together with his Subcontractors shall not, without the written consent of the Employer, cause any statement or advertisement to be printed, screened or aired by the mediaF:..... V:..... T:.....	Item	1	R	-
71	Clause 6.4 - Plant, equipment, sheds and offices. F:..... V: T:	Item	1	R	-
72	Clause 6.5 - Main notice boardF: V:..... T:.....	Item	1	R	-
73	Clause 6.6 - Subcontractors notice boards. F:..... V:..... T:.....	Item	1	R	-
	Temporary services				
74	Clause 7.1 - Location. F:..... V:..... T:.....	Item	1	R	-
75	Clause 7.2 - Water. F:..... V:..... T:.....	Item	1	R	-
76	Clause 7.3 - Electricity. F: V:..... T:	Item	1	R	-
77	Clause 7.4 - Telecommunication equipment. F:..... V:..... T:	Item	1	R	-
78	Clause 7.5 - Ablution facilities. Is amended with the addition of: "Construction workers will not be allowed to use the ablution facilities in the existing buildings" F:..... V:..... T:.....	Item	1	R	-
	Prime cost amounts				
79	Clause 8.1 - Responsibility for prime cost amounts F:..... V:..... T:.....	Item	1	R	-
	Attendance on n/s subcontractors				
80	Clause 9.1 - General attendance. F:..... V:..... T:.....	Item	1	R	-
81	Clause 9.2 - Special attendance. F:..... V:..... T:.....	Item	1	R	-

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
82	Clause 9.3 - Commissioning - fuel, water and power. Clause 9.3 shall be deemed to be omitted and replaced by the following: 9.3.1. The contractor and/or subcontractor shall commission and test the entire installation at his own expense, including provision of all test equipment. 9.3.2. Such testing is to be done in the presence of the principal agent, who shall have been notified of the dates and approximate duration of the tests, sufficiently in advance so as to allow attendance at such tests.9.3.3. Where applicable, commissioning, testing and building tuning shall be in accordance with CIBSE commissioning requirements9.3.4. The Contractor shall not be responsible for electricity consumption within tenant areas after such areas have been handed over in terms of Early Occupation or Beneficial Occupation.F:..... V:..... T:..... Financial aspect	Item	1		R -
83	Clause 10.1 - Statutory taxes duties and levies. F:..... V:..... T:.....	Item	1		R -
84	Clause 10.2 - Payment of preliminaries. F:..... V:..... T:.....	Item	1		R -
85	Clause 10.3 - Adjustment of preliminaries. F:..... V:..... T:.....	Item	1		R -
86	Clause 10.4 - Payment certificate cash flow. F:..... V:..... T:..... General	Item	1		R -
87	Clause 11.1 - Protection of the works. The contractor shall provide for the protection of all work for which a certificate of practical completion has not yet been issued and which is liable to be damaged from any cause, which protection shall, inter alia, include:The protection of the works from inclement weather, exposure to the sun and the removal of water from whatever source from the works (keeping excavations free of water separately measured)The provision and maintenance of all necessary temporary protection of finished and/or existing work liable to be damaged during the progress of the works by properly covering up, isolating, etc., as required.The contractor shall be responsible for any damage which may occur and shall make good at his own expense.The contractor shall not be entitled under any circumstances whatsoever to make use of lifts, hoists or escalators after their installation and commissioning.F:..... V:..... T:.....	Item	1		R -
88	Clause 11.2 - Protection / isolation of existing / sectionally occupied works. F:..... V:..... T:.....	Item	1		R -
89	Clause 11.3 - Security of the works. F:..... V:..... T:.....	Item	1		R -
90	Clause 11.4 - Notice before covering of the works. F:..... V:..... T:.....	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
91	of the works with a minimum of disturbance to adjoining premises, and the occupants of those premises to the satisfaction of the Principal Agent and to comply with all regulations:a) There is no guarantee given or implied that the Contractor will be permitted to utilize any of the plant he proposes to use in the construction of the worksb) The Contractor shall take all necessary measures to minimize noise. Such measures shall include inter alia, the use of "silent" compressorsc) The Contractor shall take all necessary measures to ensure that minimum dust emanates from the works as set out in the Environmental Management Plan. In this regard, the Contractor shall allow opposite this item for watering the works and any stockpiles of material on site, whenever necessary, in order to keep dust down Should the Contractor be of the opinion that watering only is not adequate, then the Contractor shall, at his own expense, use any other methods which he may deem necessaryd) All work is to be carried out in such a manner as to cause no unacceptable and unreasonable noise, vibrations, nuisance, inconvenience, annoyance and the like to the public, others, other properties and traffic, as set out in the Environmental Management Plan. Any delays, stoppages and the like arising from or in order to comply with the above will not constitute grounds for an adjustment to the contract period or contract sume) The Contractor is deemed to have accepted full responsibility for his own blasting operations that may be carried out, should blasting be permitted. The Contractor shall take all necessary precautions for the safety of all persons, buildings, etc., and is to observe all conditions set forth in government and Local Authorities regulations in connection with the use of explosives and pay all	Item	1		R -
92	Clause 11.6 - Environmental disturbance.F:..... V:..... T:.....	Item	1		R -
93	Clause 11.7 - Works cleaning and clearing. F:..... V:..... T:.....	Item	1		R -
94	Clause 11.8 - Vermin. F:..... V:..... T:.....	Item	1		R -
95	Clause 11.9 - Overhand work. F:..... V:..... T:.....	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
96	Clause 11.10 - Instruction manuals and guarantees.Clause B11.10 shall be deleted in its entirety and replaced with: The Contractor shall obtain and hand over to the Principal Agent on practical completion any operating and maintenance instruction manuals data or instructions required by the Principal Agent or provided by manufacturers, suppliers or Subcontractor.The guarantees shall state that workmanship, materials and installations are guaranteed for a specified period of twelve months reckoned from the date of handover of the installation to the building operator and that any defects in the workmanship, materials and installation that may arise during that period, shall be made good at the expense of the contractor / subcontractors doing the work, upon written notice from the principal agent or the employer to do so.The expiry of the twelve month guarantee period shall in no way relieve the subcontractor of any of his obligations and/or responsibilities in respect of latent defects in terms of Clause A27 hereof.The contractor shall cede to the employer the remainder of any equipment guarantee which he has received from his suppliers and which extends beyond the period of twelve months mentioned herein.F:..... V:..... T:.....	Item	1		R -
97	Clause 11.11 - As built information.Clause B11.11 shall be deemed to be amended by the addition of the following: The Contractor shall ensure that at the end of the Project the following drawings and information are submitted to the Principal Agent:- Water Reticulation Layout "Showing the position of the pipe runs, geyser locations, stopcock locations and all other relevant information. Fire Services Reticulation Layouts "Showing the position of the pipe runs, stopcock locations, valve locations and all other relevant information. Plumbing and Drainage Layout "Showing the positions of main pipe runs, vent pipes, inspection/access eyes, manhole positions and all other relevant information. Electrical Layouts "Showing the position of cable trays and all other relevant information. Air-conditioning Layouts "Showing the position of the main duct runs and all other relevant information.In addition, copies of the Structural Engineer's drawings showing the positions of construction breaks and the extent of individual concrete pours are to be maintained for record purposes and are to be submitted to the Principal Agent and the Structural Engineers for their records, at the end of the Project.All such as built drawings are required to be lodged prior to the issue of the Works Completion Certificate. F:..... V:..... T:.....	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
98	Clause 11.12 - Tenant installation.Clause 11.12 shall be deleted in its entirety and is replaced with: 11.12.1. Tenant Scope Requirements - By Others:These Bills of Quantities includes measured work or budgetary allowance to be executed in accordance with "Tenants" requirements" The contractor accepts that, depending upon leasing progress, such work, other than where tenants requirements are known in time to reasonably enable the contractor to complete such work within the construction period or such extended period as may be allowed under clause A29 may, at the principal agent" discretion, be omitted from his contract and executed under separate contract/s. In such case, the contractor shall allow access to the handed over areas of the works to allow such separate contractor to proceed with such work prior to handed-over and/or expiry of the defects liability period.The contractor hereby accepts that he shall not receive any profit mark-up on the omitted work and that no claim for loss of profit shall be entertained.F:..... V:..... T:..... SECTION C - ADDITIONAL PRELIMINARIES	Item	1		R -
99	1. CONTRACTOR TO BE RESPONSIBLEThe contractor acknowledges that the principal objective of his appointment is his expert knowledge in the execution of the scope of work of this contract. The contractor shall therefore be solely responsible for all aspects of the construction of the works including but not limited to quality, safety, management, resourcing, programming and co-ordination of sequencing of work all as required for the type of project described within the time limits and quality standards specifiedF:..... V:..... T:.....	Item	1		R -
100	2. COST OF CLAIMSAll costs incurred by the Contractor in the preparation of claims to the satisfaction of the Principal Agent and/or Quantity Surveyor shall be borne by the ContractorF:..... V:..... T:.....	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
101	3. DIRECT CONTRACTORThe Employer and the tenants shall have the right to employ other Contractors (hereinafter referred to as "Direct Contractors")to execute any special or other works whether contained in this Contract or not, concurrently with the work being executed under this Contract. In addition, the Employer and the tenants shall have the right to send on to the Works any furniture, furnishings, curtaining, carpeting and fittings and have same installed by his own employees or by Direct Contractors. The Contractor shall not be entitled to any percentage, profit or discount on the value of any work executed by "Direct Contractors" but shall nevertheless allow these Direct Contractors and the Employer's employees to have access to the Works, allocate reasonable space in the building for the storage of their materials, tools and equipment.Without in any way detracting from the generality of the above, Contractors are advised that the following works will be carried out by the Employer or tenants and/or their direct Contractors and the value of such work is not included in this Contract:FurnitureEquipmentPABX systems, telephones and cell phonesComputers, CCTV and IT installationsSignageParking control equipmentThe contractor should allow for early occupation for the installation of these facilities, specifically computer room(s), to enable the direct contractors to finish their respective installations on or before practical / sectional completion. A detailed schedule indicating the anticipated early occupation dates for the various items shall be agreed between the contractor and the principal agentF:..... V:..... T:..... ..	Item	1		R -
102	4. CONFIDENTIALITYThe contractor undertakes to maintain in confidence any and all information regarding this project and shall obtain appropriate similar undertakings wherever necessary. Such information shall not be used in any way except in connection with the execution of the worksNo information regarding this project shall be published or disclosed without the prior written consent of the employer F:..... V:..... T:.....	Item	1		R -
103	5. QUALITY MANAGEMENTTESTS AND INSPECTIONS PRIOR TO DELIVERY All specialist plant and equipment, subject to the principal agent's sole discretion, is subject to acceptance tests, which shall be arranged in the premises of the subcontractor / supplier within 10 days of notification that such plant or equipment is available for testing. The subcontractor shall inform the Contractor in writing, indicating the exact dates for these acceptance tests during the course of the last month of manufacture of such plant or equipment.Should no inspection have been made by the date indicated by the subcontractor as set out above, the equipment will be deemed as accepted and packed accordingly for delivery. F:..... V:..... T:.....	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
104	6. STANDARD CONTRACT HANDOVER PROCEDUREWithout derogating from the provisions of Clauses A24, 25 and 26, the contractor shall comply with the Contract Handover Procedure as instructed by the principal agent as set out below:Before Consultants will react to a request to attend to inspections, the following procedures needs to be followed:(Applicable to defects lists, practical completion, as well as any re-inspections)All incorrect work instructions (A17) issued in regard to a specific area must be signed off. Proof must be provided that the Contractor compiled a defects list themselves and that the senior person in charge checked these lists and signed them off.Areas must be cleaned out properly and no workmen will be allowed on floors during inspections. F:..... V:..... T:.....	Item	1		R -
105	indemnify the employer against any action, claim, demand, costs or expenses arising from or incurred by reason of any infringement of letters, patent design, trademark, name, copyright or other protected rights in respect of any machine, plant, work, materials, thing, system or method of using, fixing, working or arrangement used or fixed or supplied by the contractor, but such indemnity shall not cover any use of the equipment or part thereof otherwise than in accordance with the provisions of the specificationAll payments and royalties payable in one sum or by instalments or otherwise, shall be included by the contractor in the price and shall be paid by him to those to whom they may be due or payable.In the event of any claim being made or action brought against the employer arising out of the matter referred to in this clause, the contractor shall be promptly notified thereof and may, at his own expense, conduct negotiations for the settlement of the same and/or litigation, that may arise there from. The employer shall not, unless and until the contractor shall have failed to take over and conduct the negotiations of litigation, make any admission which might be prejudicial thereto.The conduct by the contractor of such negotiations or litigation shall be conditional upon the contractor having first given the employer such reasonable security as shall from time to time be required by the employer, to cover the amount ascertained or agreed or estimated, as the case may be, or any compensation, damage, expenses and costs for which the employer may become liable in respect of such infringement as aforesaid. The employer shall, at the request of the contractor, afford all available assistance for the purpose of contesting any such claim or action and shall be repaid the expenses incurred in	Item	1		R -
106	8. GREEN STAR BUILDING RATINGNot Applicable.F:..... V:..... T:.....	Item	1		R -
107	9. OVERLOADINGThe contractor shall take all necessary steps to ensure that no damage occurs due to overloading of any portion of the works or temporary works, e.g. scaffolding, etc. The contractor shall submit details of his proposed loading, storage, plant erection, etc., to the principal agent for their approval prior to proceeding with such loading, storing or erecting and shall comply with and pay for the principal agent's requirements in connection with the provision of temporary support work, etc. Any damage caused to the works by overloading shall be made good by the contractor at his sole expense.F:..... V:..... T:.....	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
108	10. SECURITY AT COMPLETIONAt completion, the contractor shall leave the works secure with all accesses locked. The contractor shall account for and hand over to the principal agent all keys, properly labelled with an itemized schedule to be signed by the principal agent as receipt. F:..... V:..... T:.....	Item	1		R -
109	plant and equipment, is subject to acceptance tests, which shall be arranged in the works of the contractor and/or subcontractors and/or supplier within 10 days of notification that such plant or equipment is available for testing. The contractor and/or subcontractor and/or supplier shall inform the principal agent in writing, indicating the exact dates for these acceptance tests during the course of the last month of manufacture of such plant or equipment. In the event that the principal agent or his representatives cannot witness such tests, the employer may: appoint a specialist inspection organisation to witness such tests at his expense on behalf of the principal agent or his representatives. OR accept the contractor and/or subcontractor" and/or supplier" certificate testifying as to the quality and performance of the specialist plant/equipment so supplied. Should no inspection have been made by the date indicated by the contractor and/or subcontractor and/or supplier as set out above, the equipment will be deemed as accepted and packed accordingly for delivery. The final acceptance will take place on site in the presence of the contractor and/or subcontractor responsible for the commissioning of the equipment. The principal agent" representative shall also be present. The contractor and/or subcontractor and/or supplier shall demonstrate to the principal agent the full scope of operation of the installation and shall ensure that he is satisfied that the principal agent is fully aware of all the operational aspects of the installation prior to handover at practical completion stage. The principal agent shall be afforded access at all reasonable times to such part of the works on site or at the Contractor and/or subcontractor" and/or supplier" premises or	Item	1		R -
110	12. ACCESS TO SITE AND MAINTENANCE OF ROADSThe contractor is to be ensure that all municipal roads which border the site used by the contractor are kept clean and clear of all obstructions during the duration of the Contract and any damages which may occur as a result of the building operations, deliveries, etc will be rectified by the contractor on completion.F:..... V:..... T:.....	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
111	shall be required to provide suitably qualified and experienced staff capable of executing the work to the required standard and quality. Definitions: The following definitions are applicable: 1 Quality Policy: The overall intentions and direction of an organisation as regards quality. 2 Quality System: The organisational structures, responsibilities, procedures, processes and resources for implementing quality policy. 3 Quality Control: The operational techniques and activities that are used to fulfil requirements of quality. 4 Quality Assurance: All those planned and systematic actions necessary to provide adequate confidence that a product or service will satisfy given requirements for quality. Generally The contractor shall submit his quality policy and comprehensive quality system proposals prior to appointment and within one week of being requested by the principal agent to do so. The quality system shall be drawn up to meet the requirements set out herein and incorporating all additional requirements and controls the contractor considers necessary for effective quality control and assurance of products and service. The contractor shall provide dedicated and experience staff capable for implementing the proposed quality system. The principal agent shall comment on the quality system within two weeks of receipt of same for the contractor outlining additions or amendment considered necessary for acceptance of the quality systems. The contractor shall meet with the principal agent and amend the contents of the quality systems according to the principal agent's comments. Amendments to the system shall be made within one week of the principal agent's comments. Upon final acceptance of the quality system, it shall form a quality manual which shall, inter	Item	1		R -
112	14. COMMISSIONING AND TESTINGThe contractor and/or subcontractor shall commission and test the entire installation at his own expense, including provision of all test equipment. Such testing is to be done in the presence of the principal agent, who shall have been notified of the dates and approximate duration of the tests, sufficiently in advance so as to allow attendance at such tests. E:..... V:..... T:.....	Item	1		R -
113	15. MEDIA RELEASES, ADVERTISING, ETCAll rights of publication of articles in the media, together with any advertising relating to, or in any way connected with this project, shall vest with the employer. The contractor together with his subcontractors shall not, without the written consent of the employer, cause any statement or advertisement to be printed, screened or aired by the media. E:..... V:..... T:.....	Item	1		R -
114	16. SITE INSTRUCTIONSContract Instructions issued on site are to be recorded by the principal agent in a Site Instruction Book which will be issued by the principal agent and which shall be maintained on site. Only site Instructions issued in such book shall be recognized. E:..... V:..... T:.....	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
115	17. CONDEMNED WORKThe contractor shall remove from the site all materials not conforming with the relevant specification and condemned by the principal agent, whether incorporated in the works or not. He shall replace such material and re-execute the affected work in accordance with the contract and without expense to the employer.The contractor shall also bear the expense of making good any other work damaged or destroyed by such removal or replacement.F:..... V:..... T:.....	Item	1	R	-
116	18. PHOTOGRAPHIC RECORDA two weekly photographic record is to be provided by the contractor, recording the state of progress of the works. Copies of each photograph annotated with the location and date, are to be made available to the employer via the principal agent.F:..... V:..... T:.....	Item	1	R	-
117	19. OCCUPATIONAL HEALTH AND SAFETYThe contractor shall Provide the necessary skilled and competent management to supervise and monitor compliance with the requirements of the Occupational Health and Safety Act of 1993 Construction Regulations. "· Comply with the Health and Safety Specification 1 the works. "· Agree with the Health and Safety Consultant the Heal and Safety Plan for the Works. "· Co-operate with the Health a Safety Consultant in all respects. "· Manage the compliance of Sub-Contractors with the Regulations, and with the Health and Safety Plan and Specification. F:..... V:..... T:.....	Item	1	R	-
118	20. DUST CONTROLThe contract will be executed in close proximity to existing tenanted buildings. The Contractor shall take all necessary precautions and measures to ensure the acceptable control of all dust associated with the Works within reasonable acceptance of the Principal Agent. These controls will include for all necessary watering down for the duration of the contract.F:..... V:..... T:.....	Item	1	R	-
119	21. SITE CLEANINGThe contractor is responsible for keeping the works clean and neat at all times. The contractor should further remove all excess rubble, packaging and the like at their own cost. F:..... V:..... T:	Item	1	R	-
120	22. INFORMAL TRADINGThe Contractor shall not permit any form of informal trading to occur at the entrance to or on the external perimeter of the site. F:..... V:..... T:.....	Item	1	R	-
121	23. GENERALThe Contractor shall be liable to provide all special scaffolding and access equipment for the full execution of the works with the exception of Nominated or Selected SubcontractorsE:..... V:..... T:.....	Item	1	R	-
	<u>SUMMARY OF CATEGORIES</u> Category : Fixed R..... Category : Value R..... Category : Time R.....				
	<u>SECTION NO. 2 - BUILDERS WORKS</u>				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>BILL NO. 1</u> <u>ALTERATIONS</u> <u>GENERAL NOTES TO TENDERERS</u> General notes, described in Section 2 Bill No.1, shall equally apply to this bill. <u>PREAMBLES</u> Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill. <u>SUPPLEMENTARY PREAMBLES</u> <u>Old Materials.</u> Old materials where there is a salvage value component, tenderers are to price this under the relevant item under this section. <u>Notices.</u> Special care is to be experienced not to interfere unnecessarily with any electrical or telephone installation that may be met and due notice is to be given to the Principle Agent when any disconnections or removal of wires, fittings etc., are necessary for the execution of th works. <u>Demolitions.</u> All demolition work to be carried out in accordance with the Local By-Laws and to the requirements of the Local Health Authorities. All demolition work is to be carried out in strict accordance with the instructions and to the satisfaction of the Principle Agent. Before any major demolitions can occur, all affected areas are to be made safe <u>Temporary coverings, screens,etc.</u> The Contractor will be held responsible for any damages to property or goods in the existing buildings due to the contractor not having taken adequate precautions and all damage caused is to be made good at the contractors expense. The contractor must allow for providing all necessary plastic or wood framed screens, partitions, tarpaulins, barriers, etc, to protect the work and prevent any nuisance from dust as may be required or directed. <u>Damage to persons or property.</u> The Contractor will be held responsible for any damage to persons or property and for the safety of the structures and the contractor is to allow for protection and indemnifying persons using the existing building operations, including providing necessary barriers, signs, etc.				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>Making good.</u> Prices for all works described throughout the Bills of Quantities are to include for making good, whether specifically mentioned or not in all trades, unless otherwise described. The Contractor must make good to existing work damaged or disturbed through alterations and to existing work remaining after doors, windows, screens , fittings, walls etc. are removed, by fitting in short lengths of skirtings, architraves, etc. and taking out and making good suspended ceilings and floors on necessary joists, etc., plaster finishings to walls and ceilings and rendering, floor tiles, etc., to floors facing up walls with brickwork cut, toothed and bonded to existing with facing bricks, quarry tiles or common brickwork to receive finishings unless otherwise described. All materials in making good are to match existing and the work is to be left complete and perfect in every aspect. <u>Taking out.</u> Taking out doors, screens, windows, fittings, etc. is to include for their removal complete with frames, ironmongery, glass, etc. for removing architrave's, quadrants skirtings, blinds, burglar guards and all the accessories to walls, reveals and round openings and for making good as previously described to walls, reveals, etc. unless otherwise described. <u>Forming of openings.</u> Forming plain, window or door openings is to include for cutting through as previously described, forming brick or concrete lintels over, including all reinforcement, formwork, etc. and for making good as previously described to floors, reveals, etc unless otherwise described. <u>Building in.</u> Building in new or re used doors, windows, etc. into formed openings in existing brick or concrete walls is to include for wedging up, cutting mortices, for running in lugs 3:1cement mortar or for plugging and screwing as necessary and bedding and pointing all around frame in cement mortar. <u>Fixing in position.</u> Fixing new and re-fixing existing materials is to include for cutting and fitting over existing skirtings, cornices, quadrants, etc. or for cutting existing work and for finishing up to new and for making good as previously described. Re-fixing existing materials is to include for all necessary cutting to suit, forming mitres, fair ends, etc, for supplying short lengths of new materials to make up for any deficiencies and for supplying new screws, nails, etc, as is necessary. Re-fixing existing doors, windows, fittings, etc. is to include for building in complete with frames,quadrants, window boards, water bars, glass, ironmongery, etc, unless otherwise described and for overhauling, adjusting, easing and oiling ironmongery.				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>Junction of new and existing.</u> Making good at junctions of and existing work is to include for piercing out, cutting through and removing short lengths of existing materials and for jointing to match existing. <u>General.</u> Prices for the demolition or removal of any portion of the structure shall include for its demolition complete with all surfaces finishes such as plaster, screeds, etc. all attached items of joinery such as skirtings, and all reinforcement, conduiting, pipes, lintels, etc. built into that portion of the structure. Prices for the removal of doors and frames shall include for the removal of fanlights, ironmongery, architrave's and other associated trim. Prices for the removal of sanitary fittings shall include for the removal of all pipework, taps, traps, valves, brackets and fittings. Prices for the removal of windows shall include for the removal of glass, louvres, burglar bars attached to the window sills and blinds. All work must be done carefully as to not damage or harm any existing adjoining surfaces. Any damage that occurs will be repaired to the same as the original at the Contractor's expense. The Contractor is advised to check all dimensions and heights affecting the existing buildings on site against those indicated on the drawings, as the contractor will be held responsible for all new work being of the correct sizes. Should any discrepancies be found, the contractor is to refer them to the Principle Agent for correction, before proceeding with the work. Where material is described as to match existing it will be the responsibility of the Contractor to ascertain that the material matches the existing in all aspects, (Aesthetical, structural or functional). Removal from site Where "removing" or "spoil" occurs in terms, it shall include for all loading and carting away from the site to a suitable dumping site found by the contractor and the contractor shall pay all fees, etc., in this regard. The contractor is to adhere to certain prescribed routes for rubble removal, this route will be identified further at the compulsory site briefing and ensure that this area is clearly demarcated and kept free of all debris rubble etc at all times. TEMPORARY BARRIERS, SCREENS, ETC Temporary barriers, screens, etc. including removal:				
1	Drywall partitioning 3.00m high consisting of 102mm 'Donn Steel' track fixed to soffit and floor with two lines of fixings located 50mm apart and spaced at 600mm centres and 102mm wide 'Donn Steel' studs at 600mm centres (or at centres indicated as per manufacturer's specification) clad with one layer 'Gyproc RhinoBoard' to one side only using 'Gyproc RhinoBoard' 25mm sharp point screws with and including two coats interior quality PVA paint on one side including corners, ends, etc. including making openings for and including doors, frame and ironmongery breaking and removal upon completion and making good floor and wall finishes.	m	11	R	-

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	Extra over in drywall partition for double door, 1600 x 2100mm high, including all frames in dry wall partition, paint, ironmongery, etc. complete	No	1		R -
	<u>REMOVAL OF EXISTING WORK</u>				
	Breaking down and removing brickwork complete with sundry lintols, cills, copings, etc. including carting away off site				
3	Half brick wall.	m ²	39		R -
4	One brick wall.	m ²	88		R -
	Taking out and removing doors, windows, gates, etc from brickwork to be demolished.				
5	Timber single door and frame approximately 800 x 2 100mm high (Duct Doors)	No	1		R -
6	Timber single door and frame approximately 900 x 2 100mm high including glazed fan light above	No	22		R -
7	Timber double door and frame approximately 1600 x 2 100mm high.	No	5		R -
8	Windows including all glass, frames, boarding, beads, hinges, etc. complete, approximate size is 1.2 x 2.1m high	No	42		R -
9	Steel burglar gate and frame approximately 1200 x 2 100mm high.	No	7		R -
10	Steel burglar bars from windows approximately 1200 x 2 100mm high.	No	42		R -
	Carefully remove existing doors, windows, stairs, fence, handrails, balustrades, etc including thresholds, sills, landings, etc.				
11	Removal of existing steel bars approximately 3.5m high including making good floors, walls, etc.	m	14		R -
	Demolish existing raised platform in exiting area, including disconnecting all electrical, access control and data reticulation, removal of supports, bolts, steel protectors on floor, making good existing floor, complete				
12	Removal of existing raised platform complete	m ²	32		R -
	Carefully take out existing suspended ceilings including suspension gridwork, bulkheads, ceiling features, cornices etc.				
13	1 200 x 600mm Suspended lay-in ceilings tiles suspended below steel structure at average 2 500mm high above finished floor level.	m ²	70		R -
	Hacking up/off and removing ceramic tile floor and wall finishes including removing mortar bed or backing and preparing concrete or brick surfaces for new screed, plaster or tile finishes.				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
14	Removal of floor and wall tiles complete including making good plaster	m ²	434		R -
	Hacking up/off and removing, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, etc.				
15	Average 50mm thick screeds.	m ²	294		R -
	Hacking up/off and removing existing waterproofing, screeds, etc from concrete or brickwork and preparing surfaces for new screeds, plaster, waterproofing, etc.				
16	Waterproofing	m ²	350		R -
	Carefully demolish and remove existing joinery fittings etc., complete				
17	Demolish and remove all existing joinery fittings, including all cupboards with glass doors, double bowl sink, kitchen mixer, carefully disconnecting existing water points, complete.	No	1		R -
18	Demolish and remove all existing joinery fittings, including all cupboards with glass doors, double bowl sink, kitchen mixer, carefully disconnecting existing water points, complete.	No	1		R -
19	Demolish and remove all existing joinery fittings, including all cupboards with glass doors, double bowl sink, kitchen mixer, carefully disconnecting existing water points, complete, in the Tea/ Kitchen area	No	1		R -
20	Demolish and remove all existing joinery fittings, including all cupboards with glass doors, double bowl sink, kitchen mixer, carefully disconnecting existing water points, complete, in the Tea/ Kitchen	No	1		R -
21	Demolish and remove all existing joinery fittings, including all cupboards with glass doors, counter tops, complete, in the office area	No	1		R -
22	Demolish and remove all existing joinery fittings, including all cupboards with glass doors, counter tops, complete.	No	1		R -
	Carefully remove existing glass, mirrors etc., complete				
23	Demolish and remove existing glass, mirrors, etc., complete	No	6		R -
	Demolish existing entrance stairs complete, including making good existing, screeds, plaster, facebrick, etc from concrete or brickwork, etc.				
24	Demolish existing entrance stair complete	Item	1		R -
	Carefully service, repair, re-putty, paint on either side existing steel windows and fix damaged glazing etc., including all making good putty, repairing damaged glass, fixing handles, latches, hinges, etc. complete				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
25	Carefully service, repair, re-putty, paint on either side existing steel windows and fix damaged glazing etc., including all making good putty, repairing damaged glass, fixing handles, latches, hinges, etc. complete Taking out and removing sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere).	m ²	106		R -
26	Vitreous china WC pan with flush valve, fittings, traps, etc complete.	No	4		R -
27	Vitreous china wash hand basin including taps, traps wastes, valves, vanities, etc complete.	No	2		R -
28	Vitreous china wall hung urinal with flush valve, fittings, traps, etc complete.	No	2		R -
29	150 Litre geyser complete.	No	2		R -
30	Fire hose reels complete.	No	2		R -
	Carefully remove existing window blinds, tracks, etc. etc including disconnecting rails, tracks, etc. and making good wall finishes (making good tiling and paintwork elsewhere), and dispose of site				
31	Window Blinds Taking out and removing piping etc, where necessary including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere).	No	42		R -
32	50mm uPVC pipes bends, junctions, inspections eyes and sundry fittings,etc complete.	m	50		R -
33	110mm uPVC pipes bends, junctions, inspections eyes and sundry fittings,etc complete.	m	32		R -
34	160mm uPVC pipes bends, junctions, inspections eyes and sundry fittings,etc complete.	m	12		R -
35	15mm Copper pipes including tees, elbows, reducers, adaptors, valves and sundry fittings,etc complete.	m	66		R -
36	22mm Copper pipes including tees, elbows, reducers, adaptors, valves and sundry fittings,etc complete.	m	42		R -
37	54mm Copper pipes including tees, elbows reducers, adaptors, valves,and sundry fittings,etc complete. Carefully disconnect existing services reticulation, and make safe as per the engineers requirementsremove existing sanitary fittings, etc including disconnecting piping from fittings and making good floor and wall finishes (making good tiling and paintwork elsewhere), and set aside for reuse complete	m	22		R -
38	Carefully disconnect all existing electrical reticulation, including removing all existing light fittings, etc. and make safe for demolition works	Item	1		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE		AMOUNT	
39	Carefully disconnect existing fire protection/ detection reticulation and make safe for demolition works	Item	1			R	-
40	Carefully disconnect existing HVAC reticulation, including all compressor units, split units, piping, ducting, etc. and make safe for demolition works	No	26			R	-
	<u>REMOVAL OF ALL EXISTING RUBBLE/ EQUIPMENT, ETC.</u>						
41	Complete removal of all existing debris, rubble, material, files, folders, documents, etc. complete and cart off site to a suitable disposal facility	Item	1			R	-
	<u>COMPLETE DEEP CLEANING TO EXISTING FACILITY, ETC.</u>						
42	Complete deep clean to the existing facility, cleaning of all windows, stair wells, passages, store rooms, ducts, etc. complete all to the architects approval	Item	1			R	-
	<u>BUILDING UP OPENINGS</u>						
	Brickwork in NFP bricks in class II mortar in building up openings.						
43	One brick walls.	m²	11			R	-
	<u>MAKING GOOD OF FINISHES ETC</u>						
	Making good brickwork with internal one coat plaster.						
44	Plastered walls where 230mm brick walls removed.	m²	11			R	-
	<u>CONSTRUCTION OF NEW RAMPS, ETC. COMPLETE</u>						
	Construction of New Concrete Ramps, including all fill to falls, retaining walls, plastering, painting of retaining walls, all to the architects and engineers approval, complete						
45	Construct entrance ramp, with landing, 1 ramp to be approximately 3 x 1.2m wide, complete	No	1			R	-
	<u>ALTERATIONS TO EXISTING WORKS</u>						
	<u>BUDGETARY ALLOWANCE</u>						
46	Provide the amount as indicated for sundry alterations	Item	1	R	100,000.00	R	100,000.00
	<u>BILL NO. 2</u>						
	<u>MASONRY</u>						
	<u>SUPPLEMENTARY PREAMBLES</u>						
	<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>Hollow or cavity walls</u>						

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Descriptions of hollow walls shall be deemed to include wall ties and leaving every fifth perpend of the bottom course of the external skin open as a weep hole Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixeal" bitumen emulsion waterproofing coating. User note: The above preamble generally applies for works in hot and humid coastal areas <u>Face bricks</u> Bricks shall be ordered timeously to obtain uniformity in size and colour <u>Pointing</u> Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc <u>Wall ties for brickwork</u> Descriptions of brickwork shall be deemed to include any polypropylene wall ties and galvanised hoop irons shotfixed into concrete every 4th course deemed necessary Wall ties shall be polypropylene ties complying with BS 76377. Ties for hollow walls shall be of sufficient length to allow not less than 75mm of each end to be built into the brickwork. Ties are to be spaced at intervals of not more than 1 (one) meter in the horizontal direction and not more than 400mm staggered in the vertical direction, except at openings, vertical joints or ends of walls where they are to be placed vertically above each other. <u>BRICKWORK</u> <u>SUPERSTRUCTURE</u> <u>Superstructure brickwork of NFP clay bricks in class II Mortar</u>				
1	Half brick walls	m ²	70	R	-
2	One brick wall	m ²	60	R	-
3	Brick Piers	m ³	13	R	-
	<u>BRICKWORK SUNDRIES</u> Joint forming material in movement joints				
4	12mm Fibre board built in vertically between brick skin and concrete wall	m ²	81	R	-
5	20mm Bitumen impregnated fibre board built in vertically between brick skin and concrete wall	m ²	43	R	-
	<u>Brickwork reinforcement</u>				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6	75mm Wide reinforcement built in horizontally	m	220		R -
7	150mm Wide reinforcement built in horizontally	m	165		R -
	<u>Concrete prestressed fabricated lintels</u>				
8	110 x 70mm Lintels in lengths not exceeding 3m	m	35		R -
9	150 x 70mm Lintels in lengths not exceeding 3m	m	11		R -
	Galvanised hoop iron cramps, ties, etc				
10	40 x 1,6mm wall tie strips shot pinned to concrete and with ties bent out and built into brickwork	m	62		R -
	<u>BILL NO. 3</u>				
	<u>WATERPROOFING</u>				
	The contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.				
	No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs, and flood testing as required				
	<u>DAMP PROOFING OF WALLS AND FLOORS</u>				
	<u>One layer of 0.325mm polyolefin damp-proof course complying with the requirements of SANS 952 (type B)</u>				
1	On walls, stepped up in cavities, under cills, etc.	m ²	27		R -
	<u>WATERPROOFING TO ROOFS, BASEMENTS, SHOWERS, ETC</u>				
	The Contractor shall allow in his rates for testing the waterproofing for water tightness by ponding the waterproofed surfaces for a period of at least 48 hours before application of the protection layer. Should any leaks occur the contractor shall remedy them at his own expense. Waterproofing to be installed by an approved Derbigum Contractor under a ten-year insurance backed guarantee.				
	<u>'Sika Cemflex' universal waterproofer applied in strict accordance with the manufacturer's instructions.</u>				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2	To ablution floor and walls. <u>Derbigum SP4:</u> <u>Two layers of Derbigum SP 4mm waterproofing membrane with side laps of 75mm and end laps of 100mm, fully sealed to and including bitumen primed surface by torch on fusion, finished with 2 coats of grey Sovacryl acrylic paint.</u>	m ²	29		R -
3	On screeded roofs to falls. <u>JOINT SEALANTS ETC</u> Approved two-part grey polysulphide sealing compound including backing cord, bond breaker, primer, etc.	m ²	350		R -
4	6 x 10mm In saw cut joints in floors. <u>PROVISIONAL BILLS OF QUANTITIES</u> <u>BILL NO. 4</u> <u>CARPENTRY AND JOINERY</u> <u>GENERAL NOTES TO TENDERERS</u> General notes, described in Section 2 Bill No.1, shall equally apply to this bill. <u>PREAMBLES</u> Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill. <u>SUPPLEMENTARY PREAMBLES</u> Fixing. Items described as "nailed" shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete. Where the method of fixing is not described, descriptions shall be deemed to include fixing of timber to timber in a method approved by the architect. Descriptions of hardwood joinery shall be deemed to include pelleting of holes for bolts. Doors. Flush doors with rebated meeting stiles to have hard wood edge strips to meeting stiles not less than 19mm thick. Hardboard and veneer coverings to doors will be suitable to receive paint or varnish. All doors to be equivalent to samples to be submitted to the architect for approval. <u>FLOORS AND SKIRTINGS</u>	m	98		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>19 x 50 mm trench backed meranti, hard wood countersunk screwed and pelleted to plastered wall.</u>				
1	In skirtings including quarter round beading	m	331		R -
	<u>DOORS</u>				
	<u>40mm Thick semi-solid flush panel door with commercial veneer both sides suitable for painting and with 2 hardwood concealed edges, hung to pressed metal frame (frame elsewhere)</u>				
2	762mm wide x 2 100mm high	No	2		R -
3	813mm wide x 2 032mm high	No	4		R -
4	900mm wide x 2 400mm high	No	3		R -
	"Bitcon Industries" fire doors with commercial veneer suitable for painting				
5	"Rubidor" or equal and approved Class B 1 hour rated fire door size 900 x 2032mm high including companion pressed steel frame for one brick wall and preparing frame for door closer. Door to be cladded with 0.8mm gauge galvanised sheeting glued to outside and inside of door face including all ironmongery, etc. including self closer	No	1		R -
6	"Rubidor" or equal and approved Class B 1 hour rated fire door size 1600 x 2032mm high including companion pressed steel frame for one brick wall and preparing frame for door closer. Door to be cladded with 0.8mm gauge galvanised sheeting glued to outside and inside of door face including all ironmongery, etc. including self closer	No	1		R -
	<u>PROVISIONAL BILLS OF QUANTITIES</u>				
	<u>BILL NO. 5</u>				
	<u>CEILINGS, PARTITIONS AND ACCESS FLOORING</u>				
	SUPPLEMENTARY PREAMBLES				
	<u>Fixing</u>				
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted",are deemed to be included.				
	<u>Ceilings</u>				
	Unless otherwise described ceilings shall be deemed to be horizontal				
	<u>Bulkheads</u>				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Bulkheads are defined as those portions of ceilings which are stepped down from the general ceiling level in a particular room or area and which generally occur along the perimeter. Their purpose is either to conceal services or to create architectural features Bulkheads have only been described as such where they conform to the above definition and where the horizontal or vertical dimensions do not exceed 900mm. Where these dimensions are more than 900mm such portions of ceilings have been included in the appropriate general items of ceilings Unless otherwise described bulkheads shall be deemed to be horizontal along the length <u>Steel components</u> All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121 <u>Openings</u> Prices for openings for light fittings, ventilation grilles, air conditioning diffusers, etc are to include for any necessary additional support, trimming around, etc SUSPENDED CEILINGS <u>SUPPLEMENTARY PREAMBLES</u> <u>Proprietary suspended ceilings</u> Hangers, suspension grids, "lay-in" panels, etc are to be in accordance with the manufacturers' recommendations Electrical light fittings, diffusers, panels etc are generally "lay-in" units of the same dimensions as the suspension grid described and allowance must be made in the rates accordingly for their support inclusive of any flexibility in setting out that may be required (ceiling panels have not been deducted and pricing is to take cognisance thereof) <u>"OW Acoustic Constellation" biologically absorbable mineral wool acoustic ceiling tiles 600 x 600 x 12.5mm Thick square edge and white painted finish laid to fire rated OW Aconstruct S3 exposed demountable T24 suspension system, comprising galvanised main tees and cross tees with main tees suspended by means of galvanised hangers at centres not exceeding 1200 mm or similar approved acoustic rated ceiling including necessary hold-down clips and wedges, etc., all installed strict accordance with the manufacturer's instructions.</u>				
1	Ceilings not exceeding 1m below concrete soffits.	m ²	294	R	-
2	Extra over ceiling for opening for 110mm diameter downlighter.	No	37	R	-
3	Extra over ceiling for 400 x 400mm opening for extraction.	No	15	R	-
	<u>Cornices, perimeter trims, etc. to suspended ceilings.</u>				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4	White powder coated metal shadowline cornice as per "DONN SM25". BULKHEADS <u>SUPPLEMENTARY PREAMBLES</u> Bulkheads shall comprise galvanised steel studding of 63,5mm top and bottom tracks with vertical studs at maximum 400mm centres, pop-riveted to the top and bottom tracks with similar additional vertical studs as necessary at abutments, ends, etc., and covered as described with plasterboard screwed to studding with drywall screws at maximum 300mm centres. Boards shall be butt jointed and finished with scrim tape and jointing compound and the whole finished with gypsum plaster trowelled to a smooth polished surface to the thickness recommended by the manufacturer. Descriptions shall be deemed to include any additional studs at ends and intersections, corner beads, cornices at junctions with ceilings, jointing compound, tape, etc. <u>12.5mm thick "Gyproc" gypsum plasterboard bulkheads,installed complete, with standard steel branderling,hung with suspension brackets, the joints covered withpropriety scrim tape and jointing compound, the wholefully skimmed, including expansion joint trimmings,shadow line recesses and corner beads</u>	m	331		R -
5	Horizontal portion of bulkhead, approximately 710mm wide, including corner bead embedded in skim coat plaster, fixed to brickwork.	m	21		R -
6	Vertical portion if bulkhead approximately 710mm high, including corner bead embedded in skim coat plaster, suspended not exceeding 1m below concrete soffit. PARTITIONS, ETC. FIXED PARTITIONS <u>SUPPLEMENTARY PREAMBLES</u> <u>"GypRoc Drywall" partition systems</u> "Rhinoboard" partitioning shall comprise steel studding formed of 63,5mm "Donn UltraSTEEL" top and bottom tracks with vertical studs at maximum 600mm centres, friction fitted or pop-riveted to the top and bottom tracks with similar additional vertical studs as necessary at abutments, ends, etc and covered as described with wallboard screwed to studding with 25mm "Drywall" screws at maximum 220mm centres. Boards are to be butt jointed and finished with "Rhino" tape and "Readymix D" jointing compound all in accordance with the manufacturer's instructions. Intersections and abutments are measured separately and descriptions shall be deemed to include any additional studs, corner beads, jointing compound, tape, etc <u>Gyproc FireStop HiSpec drywall to form 120minute fire wall to manufacturers details and specifications for Fire Consulat's approval.</u>	m	78		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Unless otherwise described rates for partitions shall be deemed to include for standard flat section aluminium skirtings on both sides.				
	Wall paper and/or paint and varnish finishes are given elsewhere.				
7	Partitioning 4m high with bottom track plugged to concrete slab and top track to be plugged to soffit of slab, including all supports to support partition, rhinolite on either side, etc. complete	m	13	R	-
8	Extra over partition for 4m high vertical abutment.	No	2	R	-
9	Extra over partition for 4m high corner.	No	2	R	-
10	Extra over partition for 4m high T-intersection.	No	1	R	-
11	Extra over partition for door opening 890 x 2100mm high, Door size 890 x 2100mm high. 90mm aluminium single door drywall frame, naturally anodised, door to be purposed made aluminium panel construction of hollow extruded aluminium sections, 80mm stiles and rails, with 6.38mm laminated safety glass to comply with SANS 10400 Part N Glazing, 3 hinges per door leaf, including all ironmongery, etc. as per the architects specifications and approval	No	2	R	-
	<u>BILL NO. 6</u>				
	<u>IRONMONGERY</u>				
	The contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.				
	No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	All keys are to be handed over with proper key labels for each individual lockset and this is to be included in the rates for ironmongery items. Three sets of keys to be issued per door.				
	<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 platedSC Satin chromium platedSE Silver enamelledGE Grey enamelledAN Anodised naturalAS Anodised silver AB Anodised bronzeAG Anodised gold ABL Anodised blackPB Polished brass PL Polished and lacqueredPT Epoxy coated SD SandedSS Stainless Steel				
	<u>PRIME COST AMOUNTS</u>				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	Allow Prime Cost amount of R 80 000 (Eighty thousand rand) for the supply and delivery to site of all ironmongery, etc	Item	1		R -
2	Profit on above	%IT			
	<u>INSTALLATION</u>				
	Take delivery, including necessary off-loading, handling, storage, protection etc and install the following ironmongery and accessories including all necessary fixings, etc.				
3	150mm Flush bolt and keep	No	6		R -
4	Straight barrel bolt and keep	No	10		R -
5	Bathroom/WC indicator bolt with keep fixed to metal/ brickwork	No	4		R -
6	Emergency exit fire bolt	No	1		R -
7	40mm Cylinder	No	27		R -
8	Knob cylinder	No	3		R -
9	Metal push plate 150 x 300mm	No	2		R -
10	Deadlock and two escutcheons	No	13		R -
11	Rebated cylinder deadlock and two escutcheons	No	6		R -
12	200mm Pull handle with backplate	No	27		R -
13	SS Kick plate, width of door	No	10		R -
14	Door closer	No	15		R -
	<u>SIGNAGE ETC.</u>				
	<u>Supply and install UNION or similar approved aluminium engraved indicator pictograms, size 152mm x 152mm x 3mm thick, including all fixing screws, mounting boards, adhesives etc. and installed in accordance with manufacturer's instructions</u>				
15	"MALE" Indicator Pictogram	No	1		R -
16	"FEMALE" Indicator Pictogram	No	1		R -
17	"TOILET" Indicator Pictogram	No	3		R -
18	"KITCHEN" Indicator Pictogram	No	1		R -
19	"GUEST TOILET" Indicator Pictogram	No	1		R -
	<u>BATHROOM FITTINGS</u>				
	<u>Supply, deliver and fix SANS approved bathroom fittings including fixing accessories, plugged and screwed to walls in accordance with manufacturer's recommendations</u>				
20	Lockable two tier toilet roll holder	No	4		R -
21	Wall hung lockable paper towel dispenser	No	2		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>BILL NO. 7</u> <u>METALWORK</u> The contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities. No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted. <u>SUPPLEMENTARY PREAMBLES</u> <u>Descriptions of bolts, anchors, etc</u> Descriptions of bolts shall be deemed to include nuts and washers Metalwork described as "holed for bolts" shall be deemed to exclude the bolts unless otherwise described Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres <u>Aluminium doors, windows, etc</u> Doors and windows shall comply with AAAMSA design criteria Glazing shall comply with SAGGA regulations. Glass thickness shall comply with SAGGA regulations irrespective of thicknesses shown on the schedules/drawings Doors and windows shall be supplied with protective tape and plastic and shall be removed only once surrounding trades have been completed The following certificates shall be provided prior to commencement of site work: 1. A copy of the relevant AAAMSA Performance Test Certificate from the manufacturer/contractor supplying the architectural aluminium product 2. A Certificate of Conformance confirming that anodising or powder coating has been processed in accordance with SANS 999 and SANS 1796 respectively 3. A powder guarantee of not less than 15 years issued by the powder manufacturer. The specific conditions contained in this guarantee shall form part of the powder coating process				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	4. A Certificate of Conformance confirming that glazing has been installed in accordance with SANS 0137, ensuring that safety glazing materials have been installed in the mandatory areas and that each individual pane of safety glazing materials has been permanently marked 5. A warranty from the manufacturer of the laminated safety glass and/or hermetically sealed glazing units guaranteeing the products against delamination and colour degradation for a period of not less than five years <u>PRESSED STEEL DOOR FRAMES</u> <u>1.6mm double rebated door frames suitable for one brick walls including one pair 100mm hinges per leaf</u>				
1	Frame to receive single timber door size 762mm wide x 2 032mm high	No	2	R	-
2	Frame to receive single timber door size 813mm wide x 2 032mm high	No	4	R	-
3	Frame to receive single timber door size 900mm wide x 2 100mm high	No	3	R	-
	<u>STAINLESS STEEL HANDRAILS, BALUSTRADES, ETC</u> Balustrades				
4	Horizontal : 1000mm High balustrade comprising of 40mm diameter stainless steel handrail fixed to 40 x 40mm circrectangular hollow section stainless steel posts with 12mm diameter 304 stainless steel x 60mm long pin connector, 19mm diameter stainless steel horizontal intermediates spaced at 160mm centres. Posts spaced at 1200mm centres maximum fitted with post mounting sleeve drilled and epoxied into concrete slab to a depth of 150mm, a minimum of 100mm from the edge of the slab. Posts to be secured in place with taper pins. Balustrades complete including all necessary bends, closures, ferrules, etc., as indicated on drawings	m	6	R	-
5	Raking : 1000mm High balustrade comprising of 40mm diameter stainless steel handrail fixed to 40 x 40mm rectangular hollow section stainless steel posts with 12mm diameter 304 stainless steel x 60mm long pin connector, 19mm diameter stainless steel horizontal intermediates spaced at 160mm centres. Posts spaced at 1200mm centres maximum fitted with post mounting sleeve drilled and epoxied into concrete slab to a depth of 150mm, a minimum of 100mm from the edge of the slab. Posts to be secured in place with taper pins. Balustrades complete including all necessary bends, closures, ferrules, etc., as indicated on drawings	m	12	R	-
	Welded handrails				
6	40mm External diameter stainless steel raking handrails welded to 12mm diameter x 270mm long stainless steel elbow/lug at 1000mm centres fixed into concrete brickwork by means of HILTI150 chemical anchors to a depth of 150mm and lug covered with 50mm diameter pressed steel cover flange.	m	15	R	-

**PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES**

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>ALUMINIUM WINDOWS, DOORS AND SHOPFRONTS</u> 1.0 General In general, material and workmanship/ installation is to be in accordance with the document "AAAMSA Fenestration - Guide for Glazed Architectural Products" Version 2.1 dated August 2012. 2.0 Glazing Refer to window schedule for glazing specification. In general, all glazing is to comply with the above AAAMSA document, SANS 10400-N: 2010 and SANS 10137. Glazing to be "Clear Low-E" glass with a thermal performance as below: U-value - 3.7W/m²-k (maximum centre of glass u-value SHGC - 0.65 (maximum). 3.0 Aluminium finish 3.1 The aluminium finish to windows and doors is to be powder coating to colour "Matt Charcoal - code: ANP 3055, Interpon 600 Range" (Sample to be submitted to Architect for approval prior to manufacture) 3.2 All powder coating is to be executed in accordance with SANS 1796 and application is to be in accordance with SANS 1578. 3.3 The powder is to be applied by a licensed applicator and all necessary powder coating guarantees are to be provided as per the AAMSA document above. 3.4 The final powder coat finish is to be free of scratches, marks or surface blemishes. 4.0 Ironmongery 4.1 Refer to ironmongery specifications and ASSA ABLOY codes in the attached schedule. 4.2 Door locks are to be master keyed. Three sets of keys are to be clearly labelled and submitted to the Project Manager upon completion of work. 4.3 Window and door hinges, catches and sliding door bottom rollers are to be supplied and installed by the selected sub-contractor to suit the aluminium sections used. Details and samples are to be submitted to Architect for prior approval. 5.0 Structural Integrity 5.1 The selected contractor is to be responsible for the structural integrity of window and door panels installed and is to ensure that the sizes of aluminium sections used, fixing methods, etc are fit for purpose. 6.0 Installation 6.1 All window and structural opening dimensions are to be checked on site by the appointed subcontractor prior to manufacture. 6.2 Shop drawings are to be submitted to the architect for approval , prior to manufacture. 6.3 Structural movement in the building fabric, floor slab deflections, etc., is to be allowed for in the detail design and installation of window and door frames. 6.4 The sub-contractor is also to allow for possible thermal movement in glazed sections of windows and doors and is to provide the necessary movement joints, gaskets, etc. 6.5 All windows and doors are to be weather tight and all necessary weather/dust seals, gaskets, etc are to be provided. 6.6 All connection junctions with walls, concrete & steel columns, concrete slabs, etc at the top, sides and bottom of windows are to be silicone sealed along edges and where necessary, matching aluminium filler pieces are to be provided to close any visible gaps. 6.7 All necessary fixing grounds to walls, slabs, etc are to be provided. 6.8 Mechanical fixing details to steel and concrete, beams and slabs are to be submitted for approval by the Project Structural Engineer prior to installation.				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE		AMOUNT	
	7.0 Protection 7.1 Prices are to include for all protection of glass, aluminium frames, etc. until handover and acceptance by the Architect. The breakage of glass and replacement of aluminium sections, where damaged by lack of protection, will be for the account of the appointed contractor. Design, supply and erect the following powder coated aluminium window, Colour: To be confirmed: Epoxy Powder Coated Aluminium including fixing in position to either brickwork and concrete or steel, etc. all complete.						
7	Aluminium door approximate overall size 900 x 2 100mm high complete including frame, safety glazing, supports, etc. all to the engineers and architects approval	No	22			R	-
8	Aluminium door approximate overall size 1 600 x 2 100mm high complete including frame, safety glazing, supports, etc. all to the engineers and architects approval	No	5			R	-
	<u>SANDBLAST</u>						
9	Provide the amount as indicated for sandblasting clear glass of the aluminium doors.	Item	1	R	50,000.00	R	50,000.00
	<u>BILL NO. 8</u>						
	<u>PLASTERING</u>						
	The contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities. No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.						
	<u>SUPPLEMENTARY PREAMBLES</u>						
	Screeds shall consist of a 4:1 or 3:1 cement mortar and laid in accordance with the relevant SANS requirements. Screeds shall not be less than 25mm thick, and screeds laid to falls shall not be less than 30mm thick. The surface of the substrate shall be wetted with cement slurry before a screed is applied. Screed to be finished to a true and even surface with a steel trowel to receive carpet finishes or wood floated to receive ceramic or other tiled finishes. Screeds shall be allowed to cure for at least four weeks before tiling commences. Accuracy of surface regularity: Maximum permissible deviation from 3m long straight-edge in any direction to be 5mm. All saw cuts in the surface beds shall be reflected in the screed and filled with polysulphide prior to floor finish application.						
	<u>SCREEDS</u>						
	<u>Screeds on concrete</u>						

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	50mm Thick on floors and landings to falls <u>INTERNAL PLASTER</u> <u>One coat 1:5 cement plaster to brickwork inclusive of concrete columns and beams and with steel trowel finish</u>	m ²	294		R -
2	On internal walls <u>Two coat 1:5 cement plaster to brickwork inclusive of concrete columns and beams and with steel trowel finish</u>	m ²	88		R -
3	On internal walls <u>One coat rhinolite plaster to cement plastered brickwork inclusive of concrete columns and beams and with steel trowel finish</u>	m ²	280		R -
4	On internal walls <u>PROVISIONAL BILLS OF QUANTITIES</u> <u>BILL NO. 9</u> <u>TILING</u> <u>GENERAL NOTES TO TENDERERS</u> General notes, described in Section 2 Bill No.1, shall equally apply to this bill. <u>PREAMBLES</u> Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill. <u>SUPPLEMENTARY PREAMBLES.</u> Fixing of wall tiles Descriptions of wall tiling shall be deemed to include "fixed with adhesive to plaster (plaster by others) unless otherwise described. Cleaning of tiles Tiling shall be thoroughly cleaned down on completion. Availability of tiles When pricing tenderers must make sure that there is enough stock available or that enough stock can be obtained timeously of the respective tiles specified. Cutting of tiles All straight and raking cutting and waste must be allowed for in the rates. <u>WALL TILING</u> Supply and install fully bodied porcelain tiles 300 x 300mm smooth finish (Allow a P.C. Amount of R200.00/m ² supplied and delivered to site) colour to be advised cut in width to suit layout fixed with Tal Gold Star 6 adhesive on plastered walls (by others) butt jointed, with Tal grouting all in accordance with the manufacturers specification.	m ²	168		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	On walls	m ²	138		R -
2	On splashback	m ²	18		R -
	<u>FLOOR TILING</u>				
	Supply and install 600 x 600mm Porcelain tiles (Allow a P.C. Amount of R350.00/m ² supplied and delivered to site) fixed to screeded floors (elsewhere) with Tal Gold Star 6 adhesive with 3mm wide continuous joints, with Tal grouting all in accordance with the manufacturers specification.				
3	On floors and landings laid to patterns as per tiling layout.	m ²	262		R -
4	150mm High skirting of cut tiles.	m	285		R -
	Supply and install 300 x 300mm Porcelain tiles (Allow a P.C. Amount of R300.00/m ² supplied and delivered to site) fixed to screeded floors (elsewhere) with Tal Gold Star 6 adhesive with 3mm wide continuous joints, with Tal grouting all in accordance with the manufacturers specification.				
5	On floors and landings laid to patterns as per tiling layout.	m ²	32		R -
6	150mm High skirting of cut tiles.	m	46		R -
	<u>SUNDRIES</u>				
	Movement joints etc.				
7	Approved 6mm polysulphide sealant movement joints in floors and walls with colour to match grouting.	m	91		R -
	Supply and install corner protectors, edge trims, transition strips etc.				
8	M.Trim stainless steel straight edge trim code SSE120 including all necessary sealant joints, etc.	m	391		R -
	<u>PROVISIONAL BILLS OF QUANTITIES</u>				
	<u>BILL NO. 10</u>				
	<u>PLUMBING AND DRAINAGE</u>				
	<u>GENERAL NOTES TO TENDERERS</u>				
	General notes, described in Section 2 Bill No.1, shall equally apply to this bill.				
	<u>PREAMBLES</u>				
	Tenderers are advised to study the "MODEL PREAMBLES FOR TRADES" (2008 Edition) as recommended and published by the Association of South African Quantity Surveyors before pricing this bill.				
	<u>SUPPLEMENTARY PREAMBLES</u>				
	<u>Wire gratings</u>				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	Descriptions of gutter outlets etc shall be deemed to include wire balloon gratings. <u>Stormwater channels</u> Descriptions of channels shall be deemed to include all necessary excavation and disposal of surplus material. <u>Concrete pipes</u> Pipes shall be jointed with ogee joints with rubber collars or socket and spigot joints with rubber rings. <u>Vitrified clay pipes etc</u> "Pipes shall rest on solid ground and, where necessary, pockets of" sufficient size shall be cut around joints to enable the jointing to be " properly performed or, alternatively, pipes shall be bedded full" length on and including unreinforced concrete laid in a semi-dry state immediately before pipes are laid. <u>uPVC pipes and fittings</u> Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings "Soil, waste and vent pipes and fittings shall be solvent weld jointed" or sealed with butyl rubber rings. <u>"Gratings, covers, etc "</u> Gratings, covers, etc shall be as manufactured by Besaans du Plessis Foundries unless otherwise described. Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable. <u>uPVC pressure pipes and fittings</u> Pipes for water supply shall be of the class described. Pipes of 40mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings. Pipes of 50mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC " and all other fittings shall be cast iron, all with similar push-in type" joints All surplus earth and other material arising from the plumbing and drainage work shall be carted away from the site. Prices are to include for this carting away. Prices for all pipes shall include for 'Class B' bedding and complying with SABS 1200 LB WATER SUPPLY <u>High density polyethylene (Type PE 100, PN 10) piping with butt-welded joints laid.</u>				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1	32mm Diameter pipe laid in and including trench (SABS 1200 db) including 'Class B' bedding (SABS 1200 LN). <u>Extra over Class 16 uPVC pressure pipes for fittings with solvent welded joints.</u>	m	120		R -
2	32mm Bend.	No	23		R -
3	110mm - 32mm Reducer.	No	1		R -
4	32mm Tee.	No	19		R -
	<u>Sundries:</u>				
5	100mm brass flanged non-return valve.	No	2		R -
6	100mm Flanged RSV Gate valve.	No	2		R -
	<u>HOT WATER APPLIANCES ETC</u>				
7	Franke ZIP Hydroboil 7.5 Litre Stainless Steel complete	No	1		R -
8	Kwikot 300 Litre solar geyser complete	No	2		R -
	<u>WATER SUPPLIES</u>				
	Class 2 copper pipes with capillary couplings				
9	15mm Pipes	m	255		R -
10	22mm Pipes	m	64		R -
	Extra over class 2 copper pipes for capillary fittings				
11	15mm Fittings	No	206		R -
12	22mm Fittings	No	102		R -
	Sundries				
13	Cutting into existing 110mm uPVC water pipe for and forming junction with 32mm uPVC pipe	No	4		R -
14	110 x 32mm Reducing junction	No	4		R -
15	Testing water pipe and fire water pipe systems	Item	1		R -
	<u>SANITARY PLUMBING</u>				
	uPVC, soil and vent pipes				
16	50mm Pipes	m	140		R -
17	110mm Pipes	m	68		R -
	Extra over uPVC, soil and vent pipes for fittings				
18	110mm Pan connector	No	9		R -
19	50mm Bend	No	153		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
20	110mm Bend	No	18		R -
21	50mm Junction	No	51		R -
22	110mm Junction	No	9		R -
23	110mm Access pipe	No	9		R -
24	50mm Access bend	No	43		R -
25	110mm Access bend	No	9		R -
26	110 x 110 x 50mm Access reducing junction	No	18		R -
27	110mm Air vent cowl	No	4		R -
	Sundries				
28	Testing waste pipe system	Item	1		R -
	<u>SANITARY FITTINGS</u>				
	stainless steel				
29	Frankie Trendline Model 1200x535 DEB 304 18/10 polished stainless steel double end bowl drop on sink (code: 312081). Overall size 1200x535mm with two 343x410x140mm deep bowls, fitted onto cupboard (elsewhere specified) including PVC traps (traps elsewhere specified) with 38mm waste fitting.	No	1		R -
30	Sanitaryware Iceberg vitreous china drop-in vanity basin colour white (code: 703400), overall size 420x42mm, fitted into opening in vanity top and sealed with silicone sealant where basin rim meets vanity top.	No	2		R -
31	Sanitaryware vitreous china "Daisy" semi-close coupled 90"° outlet open rim washdown pan (code 751400) and matching 9 litre cistern (code 7116SC) complete with lid, fitments and flush pipe elbow. The suite is designed to flush effectively on 6 litres.	No	4		R -
32	Sanitaryware 565x275x310mm Sweetpea white vitreous china mounted top inlet urinal (code: 705126) including 38mm chromium plated domical grating (code: 8787Z0) and chromium plated top inlet spreader spreader (code: 7054Z0), flush valve Cobra FJT5.5), fixed on and included two hanger brackets	No	2		R -
	<u>WASTE UNIONS, ETC</u>				
	"Cobra Watertech"				
33	32mm "301CP" Basin waste union	No	2		R -
34	32mm "301CP" Sink waste union	No	1		R -
35	32mm 323CP shower waste with 75mm CP grating	No	4		R -
	<u>TAPS, VALVES, ETC</u>				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE		AMOUNT	
	Watertech"						
36	15mm "058CP" Extension piece 75mm long	No	4			R	-
37	15mm "078CP" shower rose	No	4			R	-
38	15mm "027CP" overhead shower arm	No	4			R	-
	"Hansgrohe"						
39	Hansgrohe Tails S Chrome single lever kitchen mixer (code: 1487000).	No	1			R	-
40	Hansgrohe Decor chrome single lever basin mixer with pop-up waste set (code: 31730000) with 10mm flexible connection tubes	No	4			R	-
41	Hansgrohe Talis chrome single lever shower mixer for concealed fitting (code: 32675000) iBox' universal underwall unit with 20mm iBox universal unit (code: 01800180).	No	4			R	-
42	Hansgrohe Raindance 90mm chrome hostalen PP' shower trap complete with putlet for uPVC pipe (code: 60006700).	No	4			R	-
	BUDGETARY ALLOWANCE						
43	Provide the budgetary allowance for builders works in connection with Plumbing and Drainage to be used as directed by the Principal Agent and to be deducted in whole or part if not required.	Item	1	R	50,000.00	R	50,000.00
44	Allow for profit on above item if required.	Item	1			R	-
	<u>BILL NO. 11</u>						
	<u>PAINTWORK</u>						
	The contractor must read each description throughout this bill of quantities in conjunction with and in the context of the obligations, requirements and specifications stated in the descriptions, the Model Preambles for Trades (2008 edition) and the Supplementary Preambles to the Model Preambles forming part of these Bills of Quantities.						
	No claim arising from brevity of description of items fully described in the said Model Preambles for Trades and Supplementary Preambles to the Model Preambles will be granted.						
	<u>SUPPLEMENTARY PREAMBLES</u>						
	All paintwork is to have a minimum maintenance cycle of 7 years in an inland environment						
	All paintwork is to be applied in strict accordance with the manufacturers instructions						
	All surfaces to be dry, sound and clean, properly cured, and rubbed down to remove all projections and imperfections prior to painting						
	<u>PAINTWORK ETC TO NEW WORK</u>						

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>ON PLASTER</u>				
	<u>One coat "Dulux Plaster Primer" product code T 1011 primer and two coats internal quality textured "Dulux Luxurious Silk", product code D22, colour to be confirmed, pure acrylic paint to new interior cement plaster (or similar approved product from DULUX), Surface to be clean, dry and dust free with a moisture content of less than 15%. Paint applied with an overcoating time of 4 hours.</u>				
1	on plastered internal walls	m ²	245	R	-
	<u>ON METAL, STEEL ETC.</u>				
	<u>Surface to be clean, dry and rust free, prime surface with one coat 'Dulux Primer for Steel' with an over coating time of 18 hours, undercoat with one coat Dulux Trade Universal Undercoat (Code: T1001) with an over coating time of 18 hours and finish with two coats "Dulux Eggshell Enamel" (Code: D25) with an overcoating time of 18 hours (or similar approved product from DULUX)</u>				
2	On door frames	m ²	23	R	-
	<u>ON WOOD</u>				
	<u>Sand with abrasive paper, leaving surface clean and dust free, prime surface with one coat 'Dulux Primer for Wood', Code D33, with an over coating time of 18 hours, undercoat with one coat Dulux Trade Universal Undercoat (Code: T1001) with an over coating time of 18 hours and finish with two coats "Dulux Trade Eggshell Enamel" (Code: T3002) with an overcoating time of 18 hours (or similar approved product from DULUX)</u>				
3	On doors	m ²	57	R	-
	<u>Prepare and apply three coats "Woodoc 20" indoor or similar approved polyurethane sealer (gloss) in accordance with manufacturer's instructions</u>				
4	On timber skirtings	m	331	R	-
	<u>ON FLOATED PLASTER SURFACES</u>				
	<u>Surface to be clean, dry and dust free with a moisture content of less than 15%, prime surface with one coat 'Dulux Trade Plaster Primer (Code: T1011) with an over coating time of 18 hours, finish with two coats "Dulux Luxurious Silk" (Code: D22) with an overcoating time of 4 hours (or similar approved product from DULUX)</u>				
5	On partitions walls.	m ²	104	R	-
	<u>Surface to be clean, dry and dust free with a moisture content of less than 15%, prime surface with one coat 'Dulux Trade Plaster Primer (Code: T1011) with an over coating time of 18 hours, finish with two coats "Dulux Luxurious Silk" (Code: D22) with an overcoating time of 4 hours (or similar approved product from DULUX)</u>				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6	On ceilings <u>Remove and mould release agent using clean water, leaving surface clean, dry and dust free with a moisture content of less than 15%, prime surface with one coat 'Dulux Trade Plaster Primer (Code: T1011) with an over coating time of 18 hours, finish with two coats "Dulux Acrylic PVA" (Code: D21) with an overcoating time of 4 hours (or similar approved product from DULUX)</u>	m ²	119		R -
7	On soffits <u>PAINTWORK ETC TO EXISTING WORK</u> <u>ON PLASTER</u> <u>One coat "Dulux Plaster Primer" product code T 1011 primer and two coats internal quality textured "Dulux Luxurious Silk", product code D22, colour to be confirmed, pure acrylic paint to new interior cement plaster (or similar approved product from DULUX), Surface to be clean, dry and dust free with a moisture content of less than 15%. Paint applied with an overcoating time of 4 hours.</u>	m ²	35		R -
8	on plastered internal walls	m ²	1,079		R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE		AMOUNT	
1	Alterations	Page	73	R	-	R	100,000.00
2	Masonry	Page	76	R	-	R	-
3	Waterproofing	Page	78	R	-	R	-
4	Carpentry and Joinery	Page	80	R	-	R	-
5	Ceilings, Partitions and Access Flooring	Page	85	R	-	R	-
6	Ironmongery	Page	88	R	-	R	-
7	Metalwork	Page	94	R	-	R	50,000.00
8	Plastering	Page	96	R	-	R	-
9	Tiling	Page	99	R	-	R	-
10	Plumbing and Drainage	Page	105	R	-	R	50,000.00
11	Paintwork	Page	108	R	-	R	-

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<u>SECTION 3: BILL NO. 1</u> <u>PROVISIONAL SUMS</u> <u>PREAMBLES FOR TRADES</u> The Model Preambles for Trades (2008 edition) as 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 descriptions of items fully described in the said Model Preambles will be entertained. Supplementary preambles are incorporated in these bills of quantities where necessary to satisfy the requirements of this project. Such supplementary preambles shall take precedence over the provisions of the said Model Preambles. The contractor's prices for all items throughout these bills of quantities must take account of and include for all of the obligations, requirements and specifications given in the said Model Preambles and in any supplementary preambles.NOTE: Unless otherwise stated herein, all items in this bill shall be deemed to be a fixed price for the duration of this project. <u>SUPPLEMENTARY PREAMBLES</u> <u>Work executed by direct contractors</u> Work to be executed by direct contractors will commence during the execution of this contract and the contractor shall allow free access to the site for these direct contractors. The contractor shall prepare a programme in conjunction with these direct contractors in order to complete the work successfully. The estimated values of these contracts are listed to enable the contractor to determine profit and attendances, if required <u>Profit</u> Where stated, the contractor may allow for profit if required <u>General attendance upon selected sub-contractors and direct contractors</u> The item "Allow for general attendance" which follows each provisional sum for selected sub-contractors and direct contractors work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the selected sub-contractors and direct contractors, the following, but not limited to: 1. Access to the site and places where the subcontract work is to be carried out, including the reasonable use of any temporary personnel hoists erected by the contractor 2. The provision of an area for the sub-contractor to establish temporary office accommodation and workshops and for the storage of plant and materials 3. Making good in all trades and cleaning down and removal of rubbish on completion				

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	4. The use of erected scaffolding belonging to the contractor, in common with others having the like right , while it remains erected on site 5. The use, at reasonable times by arrangement, of the contractor's erected hoisting equipment 6. The provision of water and lighting and of power to a point within 50 metres of the place where the subcontract work is to be carried out 7. Unloading, storing, placing in position, providing special power supplies, specific hoisting, craneage and scaffolding requirements, provision of temporary casing and/or other specific protection of works, special security and clearing away rubbish and the like <u>Taking delivery</u> Taking delivery of goods or articles by the contractor on site shall mean getting in, unpacking, checking that the quantity is correct and that the goods are complete and undamaged, submitting a report thereof to the interested parties and issueing vouchers for the receipt of such goods. The contractor shall store the goods and will be held responsible for the safety thereof and indemnify the employer against any damage or loss which may occur <u>Preliminaries</u> The contractor is referred to the Preliminaries for further amplification of "Prime Cost Amounts and Provisional Sums" Clause 12.1.21 The contractor is herewith informed that no scaffolding is separately measured and scaffolding should be included in the bill rates where applicable <u>ELECTRICAL INSTALLATION</u>				
1	Provide the provisional sum of R300,000.00 (Three Hundred Thousand Rand) for the Electrical Installation complete	Item	1	R 300,000.00	R 300,000.00
2	Profit	%IT		R 300,000.00	R -
3	Attendance	%IT		R 300,000.00	R -
	<u>FIRE PROTECTION SERVICES</u>				
4	Provide the provisional sum of R150,000.00 (One Hundred and Fifty Thousand Rand) for the protection installation	Item	1	R 150,000.00	R 150,000.00
5	Profit	%IT		R 150,000.00	R -
6	Attendance	%IT		R 150,000.00	R -
	<u>MECHANICAL EXTRACTION AND AIRCONDITIONING</u>				
7	Provide the provisional sum of R500,000.00 (Five Hundred Thousand Rand) HVAC Installation	Item	1	R 500,000.00	R 500,000.00
8	Profit	%IT		R 500,000.00	R -
9	Attendance	%IT		R 500,000.00	R -

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE		AMOUNT	
	<u>CCTV INSTALLATION</u>						
10	Provide the provisional sum of R100,000.00 (One Hundred Thousand Rand) for the supply and installation of CCTV	Item	1	R	100,000.00	R	100,000.00
11	Profit	%IT		R	100,000.00	R	-
12	Attendance	%IT		R	100,000.00	R	-
	<u>ACCESS CONTROL INSTALLATION</u>						
13	Provide the provisional sum of R200,000.00 (Two Hundred Thousand Rand) for the supply and installation of access control	Item	1	R	200,000.00	R	200,000.00
14	Profit	%IT		R	200,000.00	R	-
15	Attendance	%IT		R	200,000.00	R	-
	<u>FIRE DETECTION</u>						
16	Provide the provisional sum of R200,000.00 (Two Hundred Thousand Rand) for the supply and installation of fire detection	Item	1	R	200,000.00	R	200,000.00
17	Profit	%IT		R	200,000.00	R	-
18	Attendance	%IT		R	200,000.00	R	-
	<u>SUPPLY AND INSTALLATION OF CARPET TILES</u>						
19	Provide the provisional sum of R40,000.00 (Forty Thousand Rand) for the supply and installation of carpet tiles	Item	1	R	40,000.00	R	40,000.00
20	Profit	%IT		R	40,000.00	R	-
21	Attendance	%IT		R	40,000.00	R	-
	<u>SIGNAGE</u>						
22	Provide the provisional sum of R5,000.00 (Five Thousand Rand) for the design, supply and installation of signage	Item	1	R	5,000.00	R	5,000.00
23	Profit	%IT		R	5,000.00	R	-
24	Attendance	%IT		R	5,000.00	R	-
	<u>SUPPLY AND INSTALLATION OF CARPET TILES</u>						
25	Provide the provisional sum of R650,000.00 (Six Hundred and Fifty Thousand Rand) for the supply and installation of joinery fittings	Item	1	R	650,000.00	R	650,000.00
26	Profit	%IT		R	650,000.00	R	-
27	Attendance	%IT		R	650,000.00	R	-
	<u>BUDGETARY ALLOWANCES</u>						
	<u>SUNDRY BUILDERS WORK</u>						

PRASA MANAGEMENT OFFICES - EXTENSION
AT PARK STATION
FOR PRASA CRES
TENDER BILL OF QUANTITIES

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE		AMOUNT	
	The following work to be executed by the contractor and paid for in terms of the relevant clauses of the conditions of contract						
28	Provide the budgetary allowance of R250,000.00 (Two Hundred and Fifty Thousand Rand) for sundry builders works	Item	1	R	250,000.00	R	250,000.00
29	Provide the budgetary allowance of R500,000.00 (Five Hundred Thousand Rand) for contingency	Item	1	R	500,000.00	R	500,000.00
1	Preliminaries and General	Page	62	R	-	R	-
2	Builders Works	Page	109	R	-	R	-
3	Provisional Sums and Budgetary Allowances	Page	115	R	-	R	-
	Sub Total	ST	0			R	-
	Value Added Tax @ 15 % (VAT) RATE#	TAX	15%	R	-	R	-
	TOTAL					R	-