GENERAL PRELIMINARIES

Item	Description		
A	**PRICING OF ITEMS OF PRELIMINARIES** Wherever in the contractor's priced bills of quantities no price appears against an item of preliminaries, the value of such items shall be deemed to be included in the price for other items in the Bills of Quantities **DEFINITIONS AND ABBREVIATIONS**		
B	**WORKS** The term "the works" wherever used hereinafter and in all Contract documents shall mean all or any portion of the Works, materials and articles wherever the same are being manufactured or prepared which are to be used in the execution of this Contract and whether the same be on the Site of the Building or not. It shall also be deemed to include the work of all other contractors and sub-contractors engaged on the works and of all variations.		
C	**CONTRACT** The term "the Contract" wherever used hereinafter and in all Contract documents shall mean the Tender, Articles of Agreement and Conditions of Contract, Form of Bond, Drawings and priced and signed Bills of Quantities.		
D	**DEFINITION OF TERMS** Throughout these Bills of Quantities, units of measurements and terms are abbreviated and shall be interpreted as follows. LM Shall mean Linear metre SM Shall mean Square metre CM Shall mean Cubic metre L F Shall mean Linear foot S F Shall mean Square foot CF Shall mean Cubic foot LBS Shall mean Pounds (avoirdpois) KG Shall mean Kilograms NO Shall mean Number PRS Shall mean Pairs M Shall mean Metre		
	CARRIED TO COLLECTION		

Item	Description	
	DEFINITION OF TERMS (CONT'D) MM Shall mean Millimeter R.H.S Shall mean Rectangular Hollow section B.S Shall mean current British Standard Specifications published by the British Standards Institution, 2 Park Street, London W.I. England. "Ditto" Shall mean the whole of the proceeding description except as qualified in the description in which it occurs. Where it occurs in description of proceeding items it shall mean the same as in the first description of the series in which it occurs except as qualified in the description concerned. Where it occurs in brackets it shall mean the whole of the preceding description which is contained within the the appropriate brackets. "Approved/selected" Means approved/selected by or to the approval of the Architect. "As directed" Means as directed by the Architect (m.s) Shall mean measured separately (m.b.s) Shall mean measured both sides (P.C) Shall mean Prime cost 100 - 200mm Shall mean exceeding 100mm but not exceeding 200mm girth and all items described in this manner shall be similarly construed. Necessary/proper Shall mean necessary or proper in the opinion of the Architect Singular and Plural Words used in singular in all contract documents shall also include the plural and vice versa where the contents so requires. Sub - contractor Wherever used herein and in all contract documents shall mean all specialist works Nominated sub - contractor / supplier Shall mean all specialist contractors engaged by the employer or approved by the Architect for proper execution of the work or supply of goods and services necessary for the works	
A	**DRAWINGS** The Drawings used in preparing these Bills of Quantities are available and may be inspected at the offices of the Architect during official working hours	
	CARRIED TO COLLECTION	

Item	Description		
A	**PROGRESS SCHEDULE** Before commencing any work, the Contractor shall prepare and maintain an approved Time and Progress chart, showing clearly the periods allowed for the various sections of the works. The schedule shall be updated fortnightly.		
B	**FORM OF CONTRACT** The form of Contract will be "Agreement and Schedule of Conditions of Building contract (1999) edition as published by The Joint Building Council, Kenya with sunctioning of the Architectural Association of Kenya and The Kenya Association of Building and Civil Engineering Contractors applicable where quantities form part of the contract and the Conditions of Contract are those attached hereto. A copy of the Contract agreement, Form of Bond and Drawings may be inspected at the office of the Architect. If the contractor considers that compliance with any of the conditions of Contract of which the headings are set out hereunder involves expense to him which is not included elsewhere in his prices, he shall set down opposite any such conditions the value he attaches hereto.		
C	**CONDITIONS** Clause No. 1.0 **Definition** Clause No. 2.0 **Articles of Agreement** Clause No. 3.0 **General obligations of theEmployer** Clause No. 4.0 **General obligations of theContractor** Clause No. 5.0 **General obligations of the Architect** Clause No. 5.0 **General obligations of the Quantity Surveyor** Clause No. 7.0 **Contract documents** (i) A list of the Drawings from which the contract Bills were prepared is available in and may on request be obtained from the Architect's offices (ii) Contractors may examine all the Drawings and satisfy themselves regarding all details as no claim by reason of ignorance in this connection will be entertained. (iii) The Contractor shall satisfy himself as to the correctness of all Drawings and measurements. If the Contractor finds any discrepancy in the Drawings or between the Drawings, Contract Specifications and the Bills of Quantities he shall immediately refer the same to the Architect who will decide which one shall be followed (iv) Figured dimensions will be used in preference to scales mentioned on or attached to any drawing.		
	CARRIED TO COLLECTION		

Item	Description		
	CONDITIONS (CONT'D)		
	(v) The Contractor is to take the necessary particulars for ordering his materials and work from the drawings and the work in progress and not use the Bills Quantities for that purpose		
	Clause 8.0 **Contract Bills and Contract Price**		
	(i) Bills of Quantities shall be priced in ink.		
	(ii) The Contract Bills have been prepared in accordance with the Standard Method of Measurement of Building works, Second Edition, Metric, December 1992, published by the Architectural Association of Kenya,Chapter of Quantity Surveyors, which is available for inspection at the office of the Quantity Surveyors during office hours.		
	(iii) Any unauthorized alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and will in any case be ignored.		
	(iv) All items of measured work shall be priced in detail and tenders containing lump sums to cover trades or groups of work must be broken down to show the price of each item before they will be accepted. Lump sums to cover several items of Preliminaries likewise shall be broken if so required.		
	(v) The rates set down by the Contractor against each item in these Bills of Quantities shall, unless there is a separate item for extra labour cutting and waste, be held to include for waste on materials, carriage cartage, carrying in and return of empties,		
	hoisting, setting fittings and fixing in position, marking and all other labours and everything else necessary for the proper completion of each item and for establishment charges and profit.		
	(vi) The Contractor shall be deemed to have made allowance in his prices generally to cover items of preliminaries, expenses in connection with P.C. Sums or other item, if these have not been priced against the respective items.		
	(vii) Two blank and one priced copy of these Bills of Quantities shall be furnished free of charge to the Contractor for his own use. One copy shall be kept on the works until the completion of the works thereof, and the Architect and Quantity Surveyor shall at all reasonable times have access to the same.		
	Clause No. 9.0 **Contractors site agent and other staff**		
	Clause No. 10.0 **Clerk of works**		
	Clause No. 11.0 **Liability against injury to persons and property**		
	Clause No. 12.0 **Insurance against injury to persons and property property)**		
	These risks shall be covered by the Contractor's Third party Policy with an indemnity of not less than Kshs.1,000,000/- for any one accident or series of accidents arising from the same event unlimited in aggregate		
	CARRIED TO COLLECTION		

Item	Description	
	CONDITIONS (CONT'D)	
	Clause No. 13.0 **Insurance of the works (Contractors liability)**	
	NOTE: In addition to the Conditions of Contract and the requirements contained in the foregoing Clauses the Contractor shall include in the insurance policies described above full indemnity for the following items and shall allow for all costs thereof:-	
	(a) The contract Works and Temporary Works erected in the performance of this Contract to the value of not less than the contract Sum.	
	(b) The Materials on site	
	(c) The Contractor's plant, tools and equipment	
	(d) Professional Fees to be calculated at Twelve Percent (0%) of the Contract Sum	
	(e) Escalation/inflation on (b) above for an Indemnity of not less than 15% of the Contract Sum	
	(f) Spare parts, fuel, stores, provisions and property of employees	
	Policy to include and Indemnify the following SPECIAL CLAUSES:-	
	(g) Automatic reinstatement of loss.	
	(h) Damage to any existing property	
	(i) The Maintenance period of Six (6) months	
	(j) The fluctuation Clause	
	(k) All site Sub-Contractors	
	(l) All cross liabilities	
	(m) The Principals Clause	
	Any EXCESS Cover required shall be at the sole discretion of the insured for example for any or all of the following:- Storm, flood, subsidence, collapse, etc. Plant and equipment claims, Third Party Claims, Goods in Transit Claims, Or any other claim	
	Clause No. 14.0 **Insurance of the works (Employer's liability)**	
	The provisions under the whole of this clause shall be deleted	
	Clause No. 15.0 **Insurance of works (Works of alterations)** The provisions under the whole of this clause shall be deleted	
	CARRIED TO COLLECTION	

Item	Description		
	CONDITIONS (CONT'D)		
	Clause 16.0 **Performance Bond**		
	Sub-clause 16.1 shall be amended as follows:		
	Before commencing the works, the contractor shall provide one surety who must be an established Bank to approval of the Employer and who will be bound to the Employer in the sum equivalent to ten per cent (10%) of the contract price for the due performance of the contract price for the due performance of the contract until issue of the final certificate. No payment shall be made to the contractor before the said bond is provided		
	Sub-clause 16.2 shall be deleted.		
	The contractor shall allow for paying of all stamp charges in connection with the Bond		
	Clause 17.0 **Compliance with regulations, notices,etc**		
	(i) The contractor shall indemnify the Employer against all penalties incurred by reason of the non-observance of any such statutory obligations		
	(ii) The Contractor must also make himself fully acquainted with current Ordinances and government, and other regulations regarding the movement, housing security and control, labour camps, etc. He must abide by same and allow for extra expense in this connection.		
	Clause 18.0 **Programme of works**		
	Clause 19.0 **Access to the works**		
	Clause 20.0 **Possession of site and commencement of works**		
	Sub-clause 20.1 - The last sentence shall be ammended as follows:		
	20.1.....appendix to these conditions as date for practical completion or such other date as arises by virtue of extention of time granted under clause 36 of these conditions		
	Clause 21.0 **Levelling and setting out**		
	Clause 22.0 **Architects instructions**		
	Sub-clause 22.5 shall be amended as follows:		
	22.5 - Any instructions given, issued directly by the Employer to the contractor shall be of no immediate effect but the contractor shall request the Architect in writing for confirmation thereof within seven days, failure to which the contractor shall confirm the same in writing in the manner as provided for in sub-clause 22.4. If confirmed by the contractor, such instruction shall be deemed to be Architect's instructions.		
	CARRIED TO COLLECTION		

Item	Description		
	CONDITIONS (CONT'D)		
	Clause 23.0 **Specifications of goods, material and workmanship**		
	Clause 24.0 **Samples and tests**		
	The contractor shall furnish at his own cost and expense of samples of materials workmanship or any tests that may be called for by the Architect for approval or rejection and for any further samples or tests in case of rejection until they are approved by the Architect unless otherwise provided for herein		
	Clause 25.0 **Royalties**		
	Clause 26.0 **Assignment**		
	Clause 27.0 **Subletting**		
	Clause 28.0 **Suspension of work by Architect**		
	Clause 29.0 **Suspension of work by Contractor**		
	Clause 30.0 **Variations**		
	(i) Where the Architect orders for Dayworks in accordance with Clause 30.6.3.1 of the of the conditions of contract, the following rates shall be used.		
	(a) Labour: Add .....% to the basic minimum wage rate per hour.		
	(b) Materials: Add .....% to the cost of materials delivered to site.		
	(c) Machinery/plant: Add .....% Ditto		
	(i) The percentage additions shall cover all insurance, use of small tools small tools and non-mechanical plant, sharpening tools, water, watching, lighting, establishment and overhead charges and profits.		
	(ii) All Day work sheets must be signed by the Architect and the Contractor or other authorised representative.		
	Clause 31.0 **Nominated sub-contractors**		
	(i) The Contractor shall be responsible for giving all necessary directions to all		
	Sub-Contractors, ascertaining their requirements, coordinating their work and arranging for them to be on Site at the proper time for the orderly progress of the Works. He shall place all orders with Nominated Sub Contractors clearly on his own behalf and shall not pledge the credit of the Employer either directly or indirectly. In No case shall the Contractor be deemed to be the agent of the Employer nor shall there be created any privity of contract between the Employer and the nominated Sub-Contractor. The contractor must enter into a written Sub-Contract using an approved form and must deposit with the Architect signed copies thereof.		
	CARRIED TO COLLECTION		

Item	Description		
	CONDITIONS (CONT'D)		
	(ii) The contractor shall accept responsibility for providing the following services for Nominated Sub-Contractor, all as per clause B19 (b) of the standard method of measurement of Building works mentioned hereinbefore		
	The following services shall be regarded as general attendance:		
	(a) Allow use, for the purpose of the Sub-contractor works, of any standing scaffolding belonging to or provided by the Contractor while it remains so erected upon the site. Provided that no warranty or other liability on the part of the contractor or of his other sub-contractors shall be created or implied in regard to the fitness, condition or suitability of the said scaffolding.		
	(b) Provision of water, lighting, watching and attendance for the purpose of the Sub-Contract works.		
	(c) Allow use of sanitary accommodation, mess rooms, welfare facilities		
	(d) Provision of space for office accommodation and for storage of plant and materials		
	(e) Clearing away rubbish produced by them		
	Special Attendance		
	The following services shall be regarded as special attendance		
	(a) Unloading and storing		
	(b) Hoisting		
	(c) Placing in position		
	(d) Providing power		
	(e) The cost of any necessary alteration to or re-erection of the Contractor's ordinary scaffolding which may be required by them to carry out their work.		
	(iii) The foregoing services are described as "Allow for general attendance" Allow for special attendance as appropriate.		
	(iv) Nominated Sub-Contractor's shall be responsible for:-		
	Special scaffolding		
	(c) Provision, erection and removal of workshops, sheds or other buildings for their employees and workmen		
	(b) Provision of all necessary plant, tools, materials and equipment, etc., necessary to carry out and complete their work.		
	CARRIED TO COLLECTION		

Item	Description		
	CONDITIONS (CONT'D)		
	Clause 32.0 **Nominated Suppliers**		
	(i) The Contractor shall be responsible for placing all orders for materials or goods with Nominated Suppliers clearly on his own behalf and shall not pledge the credit of the Employer either directly or indirectly. He shall arrange for delivery of all materials or goods at the proper time for the orderly progress of the works		
	(ii) Contractor shall take delivery anywhere in Nairobi, of all materials or goods supplied by Nominated Suppliers and shall sign a receipt as having received them in good order and condition. He shall off load, transport to site, unload hoist, provide safe storage and thereafter be responsible for any loss or damage or replacement of any such lost or damaged articles at his own expense and shall return empty cases if so required.		
	(iii) Provision is made in these Bills of Quantities following each appropriate P.C. Sum for the cost of the foregoing services against items reading "Take delivery and fix only".		
	(iv) All payments by the contractor for materials or goods supplied must be in full and shall be paid within 30 days of the end of the month during which delivery is made		
	Clause 33.0 **Works by other persons engaged by the Employer**		
	Clause 34.0 Payments		
	Clause 35.0 Flactuations		
	This is a fixed sum contract and all provisions of clause 35.00 shall not apply		
	Clause 36.0 **Extension of time**		
	Clause 37.0 **Loss and expense caused by disturbance of regular progress of the works**		
	Clause 38.0 **Termination of the contract by the Employer**		
	Clause 39.0 **Termination of the contract by the Contractor**		
	Clause 40.0 **Termination of the contract by either party**		
	Clause 41.0 **Practical completion and defects liability period**		
	Clause 42.0 **Sectional completion**		
	Clause 43.0 **Damages for delay in completion** Sub-clause 43.1 shall be ammended as follows: 43.1.....to become due to the contractor under the contract or recover the same from the contractor as a debt. Such certificate shall be copied to the contractor		
	CARRIED TO COLLECTION		

Item	Description		
	CONDITIONS (CONT'D)		
	Clause 44.0 **Antiquities and other objects of value**		
	Clause 45.0 **Settlement of disputes**		
A	**SUFFICIENCY OF TENDER**		
	The contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices stated		
	in the priced Bills of quantities which rates and prices shall cover all his obligations the Contract and all matters and things necessary for the proper completion and maintenance of the Works.		
B	**STAMP CHARGES**		
	The contractor shall allow for the payment of all Stamp Charges in connection with the Performance Bond and Contract Agreement.		
C	**PROGRAMME AND PROGRESS SCHEDULE**		
	The successful tenderer shall be required before signing the contract to submit to the Architect an acceptable time and progress schedule setting out the order in which the works are to be carried out.		
	Upon signing the contract for the works the contractor shall within two weeks draw up a time and progress schedule setting out the order in which the works are to be carried out with the appropriate dates thereof including the work of Nominated Sub-Contractors. This Time and progress Schedule is to be agreed with the Architect and no deviation from the order set out in this Schedule will be permitted without the written consent of the Architect. The Main Contractor will be responsible for arranging the above Programme with all Sub-Contractors including the Nominated Sub-Contractors and Nominated Suppliers.		
	One copy of the Schedule is to be handed to the Architect and a further copy to be retained on site in which progress shall be recorded at regular agreed intervals by the Contractor and produced in upto date form at all site meetings.		
	Should any circumstances arise affecting the schedule, the chart shall be amended or modified as necessary by agreement with the Architect and all parties shall be informed.		
	Under no circumstances shall any payments be made to the contractor without full compliance with this provision		
D	**FIGURED DIMENSIONS**		
	Figured dimensions are to be followed in preference to dimensions scaled from the drawings, but whenever possible dimensions are to be taken on the site or from the buildings. Before any work is commenced by Sub-Contractors or specialist firms, dimensions must be checked on the site and/ or buildings and agreed with the Contractor irrespective of the comparable responsibility for the accuracy of such dimensions.		
	CARRIED TO COLLECTION		

Item	Description		
A	**PROVISIONAL WORKS**		
	All work described as "Provisional" in these Bills of Quantities is subject to remeasurement in order to ascertain the actual quantity executed		
	All "Provisional" and other work liable to adjustment under this Contract shall be left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the Quantity Surveyor. Immediately the work is ready for measurement the Contractor shall give notice to the Quantity Surveyor.		
	If the Contractor makes default in these respects, he shall,if the Quantity Surveyor so directs, uncover the work to enable measurements to be taken and afterwards reinstate at his own expense.		
B	**MATERIALS AND WORKMANSHIP**		
	All materials shall be new unless otherwise directed or permitted by the Architect and in all cases where the quality of goods or materials is not described or otherwise specified are to be the best quality obtainable in the ordinary meaning of the word "best" and not merely a trade signification of that word.		
	All materials and workmanship shall unless otherwise specified or described conform to the appropriate Kenya Bureau of Standards or British Standards Institution Specification current at the date of tender.		
	The Contractor shall order all materials required to be obtained from overseas immediately after the Contract is signed and shall also order materials to be obtained from local sources as early as necessary to ensure that such materials are on site when required for use in the works.		
	The Contractor shall be responsible for and shall replace or make good at his own expense any materials lost or damaged.		
	The Works throughout shall be executed by skilled workmen well versed in their respective trades. order materials to be obtained from local sources as early as necessary to ensure that such materials are on site when required for use in the works.		
C	**REJECTED WORKMANSHIP OR MATERIALS**		
	Any workmanship or materials not complying with the specific requirements or approved samples or which have been damaged, contaminated or have deteriorated, must be immediately removed from the Site and replaced at the Contractor's expense, when		
D	**PROPRIETARY MATERIALS**		
	Where proprietary materials are specified in the Specification, the Contractor may propose the use of materials from other manufacture, but of equal quality, for approval by the Architect.		
	All materials and goods, where specified to be obtained from a particular manufacturer or supplier are to be used or fixed strictly in accordance with their printed instructions.		
	CARRIED TO COLLECTION		

Item	Description		
A	**PLANTS, TOOLS AND SCAFFOLDING** The Contractor shall provide all necessary hoists, tackle, plant, vehicles, tools and appliances of every description for the due and satisfactory completion of the works and shall remove same on completion and provide, erect and maintain all temporary scaffolding sufficiently strong and efficient for the due performance of the Works, including Sub-Contractor's works, provide special scaffolding as required by Sub-Contractors, alter and adapt all scaffolding as and when required during the works and remove on completion and make good. All such plant, tools and scaffolding shall comply with all regulations whether general or local in force throughout the period of the contract and shall be altered and adapted during the Contract as may be necessary to comply with any amendments in or additions to such regulations. **NOTE:** Scaffolding is not measured hereinafter, and the Contractor must allow here in his Tender for the same No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.		
B	**SIGN FOR MATERIALS SUPPLIED** The contractor will be required to sign a receipt for all articles and materials supplied by the Employer at the time of taking delivery thereof, as having received them in good order and condition, and will thereafter be responsible for any loss or damage and for replacements of any such losses or damage to articles and/or materials which will be supplied by the Employer at current market prices including Customs Duty, all to the Contractor's own cost and expense, to the satisfaction of the Architect		
C	**STORAGE OF MATERIALS** The contractor shall provide at his own risk and cost where directed on the site weather-proof lockup sheds for the safe storage and custody of materials for the works and for the use of workmen engaged thereon and shall remove such sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the Architect. (SEE PARTICULAR PRELIMINARIES) Nominated Sub-Contractors are to be made liable for the cost of any storage or other accommodation provided specially for their use.		
D	**SAMPLES** The contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called for by the Architect for his approval or rejection until such samples are approved by the Architect and the Architect may reject any materials or workmanship, not, in his opinion, up to approved samples. The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the the Architect. The Contractor shall allow in his Tender for such samples except those in connection with Nominated Sub-contractor's work.		
	CARRIED TO COLLECTION		

Item	Description		
A	**TESTING**		
	Allow for testing all installations required to be tested and provide everything necessary for this purpose and leave in perfect working order to the satisfaction of the Architect or Local Authority.		
	Allow for all expenses in connection with testing of materials as specified hereunder including the supply and preparation of materials, their packing and conveyance to the nearest Materials Testing Laboratory, charges, etc. The contractor shall allow for other testing of materials apart from the above required by these specifications and he shall be responsible for all expenses incurred in completing such tests, including costs of labour, materials, equipment, transport and charges of the testing authority etc		
B	**SUPERVISION AND WORKING HOURS**		
	The works shall be executed under the direction and to the entire satisfaction of the Architect in all respects who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and Sub-Contractors or other places where work is being prepared for the Contract.		
	The working hours shall be those generally worked by good employers in the Building and civil Engineering Trades in the Republic of Kenya.		
	No work shall be carried out at night or on gazetted holidays unless the Architect shall so direct.		
	No work shall be so covered up, any concreting carried out in the absence of the Clerk of Works without the prior approval of the Architect in writing		
C	**EXISTING SERVICES**		
	Prior to commencement of any work the Contractor is to ascertain on site or from the relevant Authorities the exact position, depth and level of all existing electric cables, water pipes or other services on site or in the area and he shall make whatever provisions may be required by Architect or the Authorities concerned for the support and protection of such services. Any damage or disturbance caused to any service shall be reported immediately to the Architect and the relevant Authority and shall be made good to the satisfaction of such relevant authority at the contractor's expense.		
D	**SITE DIARY**		
	A double foolscap size stiff covered ruled book should be kept available at all times upon the site. Entries made in the site diary by the Architect or his duly appointed representatives shall be deemed to be the Architect's instructions given in writing and the contractor shall confirm the same to the Architect within seven clear working days.		
	All persons entering the working area on whatever business shall be instructed by the contractor to record their visit in the site diary giving their name, address and reasons for visiting the site		
	CARRIED TO COLLECTION		

Item	Description		
A	**GOVERNMENT ACTS REGARDING WORKFORCE, ETC** Allow for complying with all Government Acts, Orders and Regulations in connection with the Employment of labour and other matters related to the execution of the works.The tender price must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurance's, Pensions, Holidays safety, health or welfare of work people. The Contractor must duly acquaint himself with current Acts and Regulations , including Police Regulations regarding the movement, housing, security and control of labour, labour camps, passes for transport etc. It is most important that the Contractor, before tendering, shall obtain from the relevant authority the fullest information regarding all such regulations and/or restrictions which may affect the organisation of the works, supply and control of labour, etc., and allow accordingly in his tender No claim in respect of want of knowledge in this connection will be entertained or allowed		
B	**SECURITY OF WORKS, ETC** The Contractor shall be entirely responsible and liable for the security of all works, stores, materials, plant, personnel, etc., both his own and Sub-Contractor's and must provide all necessary watching, lighting and other precautions as necessary to ensure security against theft, loss or damage and the protection of the public. Maximum precautions must be exercised to uphold security in the vicinity of the Works. The Contractor shall comply with all instructions of the Architect with regard to the upholding of security arrangements.		
C	**TRANSPORT TO AND FROM THE SITE** The Contractor shall include in his prices for the transport of materials, workmen, etc., to and from the Site of the proposed Works, at such hours and by such routes as are permitted by the relevant Authorities.		
D	**PUBLIC AND PRIVATE ROADS AND PAVEMENTS** The Contractor will be required throughout the execution of the Works to maintain and make good, at his own expense any damage he may cause to the present public and private road surfaces and pavements arising from or consequent upon the execution of the works, to the satisfaction of the Local or other Authority and the Architect.		
E	**WORKS AND SITE TO BE DELIVERED UP CLEAN** The Contractor shall upon completion of the Works, at his own expense, remove and clear away all surplus excavated material, scaffolding, plant, rubbish and unused material and shall leave the whole of the site and Works in a clean and tidy state to the satisfaction of the Employer, including clearing away and making good all traces of temporary access roads, offices, sheds, camps, etc.		
	CARRIED TO COLLECTION		

Item	Description		
	WORKS AND SITE TO BE DELIVERED UP CLEAN (CONT'D) Clean and flush all gutters, rainwater and waste pipes, manholes and drains , wash (except where such treatment might cause damage) and clean all sanitary fittings, glass (inside and outside) and any other parts of the works which may so require remove all marks, blemishes, stains and defects from joinery fittings and decorated surfaces generally, polish door furniture and bright parts of metalwork and leave the whole of the buildings watertight, clean, perfect and fit for occupation to the approval of the Architect. Particular care shall be taken to leave all floors and windows clean and to remove all paint and cement stains. He shall also at the discretion of the Employer remove all rubbish and dirt as it accumulates during the contract period.		
A	**OCCUPATION CERTIFICATE** At the completion of the Works, the Contractor shall apply for and obtain an Occupation Certificate from the Local Authority and see that it is duly completed and signed in accordance with conditions laid down by current By-laws.		
B	**DISTURBANCE OR NUISANCE** The Contractor shall allow for taking all necessary precautions in the order and execution of the works so as to avoid causing disturbance to the occupants of any existing buildings on or adjacent to the Works and to the public and for complying with the Architect's instructions in this respect.		
C	**TRESPASS, DAMAGE AND CARE OF WORKS** The contractor shall prevent any trespass on the adjoining property and he shall take all reasonable precautions during the progress of the Contract to prevent any damage to the adjoining property or public or private roadways and to prevent material, plant, rubbish, debris, etc., collecting on the adjoining property or roadways. Should the Contractor wish to erect scaffolding on or make use of adjoining property he shall obtain prior permission from the Architect and clear away at completion of his work or when directed and make good any damage to the Architect's satisfaction. Except as provided for in the Conditions of Contract, the Contractor shall be held responsible for the care of Works generally until their completion, including all works executed and materials deposited on the site by himself or Sub-Contractors or suppliers, together with all risks arising from weather, carelessness of operatives, damage or loss by theft, or by other cause and he shall make good all such damage or loss at his own expense. The contractor will be responsible for the protection of adjoining buildings, boundary walls, fences, services either overhead or underground and for the making good of or paying for all damage thereto, should such be caused in the course of buildings operations. The Contractor shall allow for making good all damage to the roads,kerbs, surface water channels, etc., occasioned by heavy traffic,delivery of materials and building operations generally to the entire satisfaction of the Architect and shall be responsible for observing any By-Law or Authority regarding keeping the road free from mud, filth, etc., arising out of the execution of the Works.		
	CARRIED TO COLLECTION		

Item	Description		
	TRESPASS, DAMAGE AND CARE OF WORKS (CONT'D) The contractor shall at all times observe any police regulations including those regarding the loading and unloading of or waiting by vehicles on the public highway and the Contract Sum shall be deemed to include for strict compliance therewith.		
A	**EXISTING PROPERTY** The Contractor shall take every precaution to avoid damage to all existing property including entire ground floor including all internal and external finishes roads, cables, drains and other services unless otherwise directed by the Architect and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the Architect.		
B	**ACCESS TO SITE AND TEMPORARY ROADS** Means of access to the site shall be agreed with the Architect prior to commencement of the work and the Contractor must allow for building any necessary temporary access roads for the transport of the materials, plant and workmen as may be required for the complete execution of the works including the provision of temporary culverts, crossings, bridges, or any other means of gaining access to the site. Upon completion of the Works, the Contractor shall remove such temporary access roads, temporary culverts, bridges, etc, make good and reinstate all works and surfaces disturbed to the satisfaction of the Architect.		
C	**SERVICES FOR CONSULTANTS** The Contractor shall provide, erect and maintain where directed on site and afterwards dismantle a Site office of the type noted in the Particular Preliminaries complete with furniture. (SEE PARTICULAR PRELIMINARIES) He shall also provide a strong metal trunk complete with strong hasp and staple fastening and two keys. He shall provide, erect and maintain a lockup Western type water closet for the sole use of the Consultants, including making temporary connections to drain where applicable to the satisfaction of the Government and Medical Officers of Health and shall provide the services of cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition and dismantle and make good disturbed surfaces to the satisfaction of the Architect on completion of the works. The office and closet shall be completed before the contractor is permitted to commence the works. The Contractor shall make available on the site and when required by the Architect, a theodolite or other equal modern and accurate level together with leveling staff, ranging rods and one 30.0m metallic linen tape.		
	CARRIED TO COLLECTION		

Item	Description		
A	**WATER AND ELECTRICITY SUPPLY FOR THE WORKS**		
	Unless otherwise stated in the Particular Preliminaries hereof, the following requirements shall apply:-		
	The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. No guarantee is given or implied that mains power will always be available and the Contractor must make arrangements at his own cost and expense for providing temporary power.		
	The contractor must make his own arrangements for connection to the nearest suitable water main and for metering and paying for the water used.		
	He must also provide temporary storage tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the Architect. The Contractor shall pay all charges in connection therewith.		
	No guarantee is given or implied that sufficient water will be available from the main and the Contractor must make his own arrangements for augmenting this supply at his own cost and expenses		
B	**SANITATION OF THE WORKS**		
	The sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Architect.(SEE PARTICULAR PRELIMINARIES)		
C	**PROVISIONAL SUMS**		
	The term "Provisional Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A Item A7 (i) of the Standard Method of Measurement mentioned in Clause No. 8 of the conditions of contract on Page 2/4 herein. Such sums are nett and no addition shall be made to them for profit.		
D	**PRIME COST (P.C) SUMS**		
	The term "Prime Cost Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A Item A7 (ii) of the Standard Method of Measurement mentioned in Clause No .8 of the conditions of contract		
	Persons of firms nominated by the Architect to execute work or to provide and fix materials or goods as stated in the Conditions of Contract are described herein as Nominated Sub - Contractors. Persons or firms so nominated to supply goods or materials are described herein as Nominated Suppliers.		
E	**ADJUSTMENT OF P.C. SUMS**		
	In the final account all P.C. Sums shall be deducted and the amount properly expended upon the Architect's order in respect of each of them added to the Contract Sum. The Contractor shall produce to the Architect such quotations, invoices or bills properly receipted as may be necessary to show the actual details of the Sums paid by the contractor.		
	CARRIED TO COLLECTION		

Item	Description		
	ADJUSTMENT OF P.C. SUMS (CONT'D) Items of profit on P.C Sums shall be adjusted in the final account pro-rata to the actual amount paid. Items of "attendance" following P.C. Sums shall be adjusted pro-rata to the physical extent of the work executed (not pro-rata to the amount paid) and this shall apply even though the Contractor's priced Bill shows a percentage in the rate column in respect of them Should the Contractor be permitted to tender and his tender be accepted for any work for which a P.C. Sum is included in these Bills of Quantities, profit and attendance will be allowed at the same rate as it would be if the works were executed by a Nominated Sub-Contractor.		
A	**ADJUSTMENT OF PROVISIONAL SUMS** In the final account, all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the Architect's order added to the Contract Sum. Such work shall be valued as described for Variation in Clause No. 30 of the Conditions of Contract, but should any part of the work be executed by a Nominated Sub-contractor or any articles for the work supplied by a Nominated Supplier, the value of such work or article shall be treated as a P.C. Sum and profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added.		
B	**NOMINATED SUB-CONTRACTORS AND SUPPLIERS** When any work is ordered by the Architect to be executed by Nominated Sub-Contractors, the Contractor shall enter into sub-Contracts as described in Clause No. 31 of the Conditions of Contract and shall thereafter be responsible for such Sub-Contractors in every respect. In particular it shall be the Contractor's responsibility to ensure that each Sub-Contractor commences and completes the work in such manner and is ready on the site with his materials, labour and special plant at such time so as to conform with the Works programme Before placing any orders with Nominated Sub-Contractors or Nominated Suppliers, the Contractor must ascertain that the terms and conditions of the quotations and the date of delivery of materials or execution of work comply with the terms of the Contract and the Works Programme. Builder's work in connection with the Nominated Sub-Contractor's work and making good afterwards has been measured in the Bills of Quantities The cost of taking delivery and fixing only materials including those to be obtained from Nominated Suppliers which are covered by Prime Cost or Provisional Sums shall include for taking delivery where directed, checking with invoices or indents, reporting and claiming damages for shortages and damaged goods, defraying demurrage, signing for as having been received in good order, loading, handling,transporting to site, unloading, insuring, storing, covering and protecting until the time of fixing, unpacking, replacing anything lost or damaged, sorting, assembling, hoisting, distributing or conveying to required levels or positions, cutting, wastage, and fixing as described. Unless otherwise described, the Contractor is to provide for such Sub-Contractors any or all of the above facilities.		
	CARRIED TO COLLECTION		

Item	Description		
A	**ATTENDANCE UPON NOMINATED SUB-CONTRACTORS** The term "general attendance" or special attendance following P.C. Sums for Nominated Sub-contractors work in these Bills of Quantities shall be deemed to include as are defined on Page 2/9 herein respectively		
B	**DIRECT CONTRACTS** Notwithstanding the foregoing Conditions, the Employer reserves the right to place a "Direct Contract" for any goods or services required in the works which are to be executed by the Contractor or are covered by a P.C Sum in the Bills of Quantities and to pay for the same directly In any such instance the affected works shall not exceed 10% of the contract sum in value and in case of P.C. sums, the profit relative to P.C. Sum in the priced Bills Of Quantities will be adjusted as described for P.C. Sums and allowed.		
C	**ATTENDANCE UPON OTHER TRADESMEN, ETC** The Contractor shall allow for the attendance upon other tradesmen and shall afford such persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for the use of his ordinary scaffolding. The Contractor,shall be required to charge separately for existing any special scaffolding for them. The contractor shall perform such cutting away for and making good after work of such tradesmen or persons as may be ordered by the Architect and such contractors the work will be measured and paid for to the extent executed and at rates provided in these Bills.		
D	**INSURANCE** The Contractor shall insure as required in Clauses Nos. 12.0 of the Conditions of Contract and as further amplified in these General Preliminaries. No payment on account of the work executed will be made to the Contractor until he has satisfied the Architect either by production of an Insurance Policy or an Insurance Certificate that the provisions of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the architect shall from time to time ascertain that premiums are duly paid up by the Contractor who shall, if called upon to do so, produce receipted premiums renewals for the Architect's inspection.		
E	**ALTERATIONS TO BILLS, PRICING, ETC.** Any unauthorized alteration or qualification made to the text of the Bills of Quantities may cause the Tenderer to be disqualified and will in any case be ignored. The contractor shall be deemed to have allowed in his prices generally to cover any items against which no price has been inserted in the priced Bills of Quantities. Lump sums to cover any items of Preliminaries shall be broken down if so required by the Quantity Surveyor		
	CARRIED TO COLLECTION		

Item	Description		
A	**BLASTING OPERATIONS** Blasting will only be allowed with the express permission of the Architect in writing All blasting operations shall be carried out at Contractor's sole risk and cost in accordance with any Government regulations in force for the time being and any special regulations laid down by the Architect governing the use and storage of explosives.		
B	**MATERIALS ARISING FROM EXCAVATIONS AND DEMOLITIONS** Employer. Unless the Architect directs otherwise, such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply, with the Authority of the Employer and permission of the Architect, should such permission be given the contractor shall make due allowance for the value of the materials so used at a price to be agreed between him and the Quantity Surveyor.		
C	**PROTECTION OF THE WORKS** Provide protection of the whole of the works contained in the Bills of Quantities including casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the Architect and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Employer.		
D	**REMOVAL OF RUBBISH, ETC.** Remove all rubbish and debris from the building and site as it accumulates and at completion of the works and remove all plant, scaffolding and unused materials at completion.		
E	**TRAINING OR OTHER LEVY** The Contractor's attention is drawn to Legal Notice No. 237 of October 1971 and all subsequent ammendments thereto which requires payment by the Contractor of a Training Levy at the rate of 1/4% of the contract sum for Contracts of more than Kshs. 50,000.00 in value and his Tender must include for all costs arising or resulting therefrom.		
F	**STANDARDS LEVY** The Contractors attention is drawn to Legal Notice No. 267 of June 1990 and all subsequent ammendments thereto which requires payment by the Contractor of Standards Levy at the rate of 1/5% of the contract sum. The contractor should allow in his tender for all costs arising or resulting therefrom.		
G	**FAIR WAGES** The contractor shall furnish to the Architect for inspection, if called upon to do so, such particulars of the rate of wages, working hours and conditions of labour		
	CARRIED TO COLLECTION		

Item	Description		
A	**MATERIALS ON SITE** All materials for incorporation in the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the Architect. This is to include the materials of Main Contractor, Nominated Sub-Contractor and Nominated Suppliers		
B	**GENERAL SPECIFICATIONS** For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to trade preambles (specifications) which shall be followed in all respects.		
	CARRIED TO COLLECTION		

Item	Description		
	GENERAL PRELIMINARIES		
	COLLECTION:		
	From page GP 1		
	From page GP 2		
	From page GP 3		
	From page GP 4		
	From page GP 5		
	From page GP 6		
	From page GP 7		
	From page GP 8		
	From page GP 9		
	From page GP 10		
	From page GP 11		
	From page GP 12		
	From page GP 13		
	From page GP 14		
	From page GP 15		
	From page GP 16		
	From page GP 17		
	From page GP 18		
	From page GP 19		
	From page GP 20		
	From page GP 21		
	TOTAL CARRIED TO MAIN SUMMARY		

APPENDIX

Item	Description	Clause	
	APPENDIX		
A	Percentage to cover professional fees for insurance purposes only	13.0.....	Not applicable
B	Name of Contractor's surety	16.1.....	Any approved insurance institution or commercial bank
C	Amount of surety	16.1.....	2%
D	Name of Employer's surety	16.2.....	Not applicable
E	Amount of surety	16.2.....	Ditto
F	Period for submission of programme	18.1.....	Two weeks
G	Period for possession of site	20.1.....	As per the letter of acceptance
H	Contract period	20.2.....	Six months
I	Date for commencement of Works	20.2.....	As per the letter of acceptance
J	Date for practical completion	20.2.....	As per the letter of acceptance
K	Name of bank for purposes of interest calculation	31.14,32.4.5,34.6....	Central Bank of Kenya Ltd
L	Interval for application of payment certificates	34.1.....	Four weeks
M	Minimum amount of payment certificate	34.4.....	Not applicable
N	Percentage of certified value retained	34.12.....	10%
O	Limit of retention fund	34.12.....	5%
P	Periods for release of interest on	34.15.....	Six months from practical completion
Q	Period of final measurement and valuation	34.17.....	Three months from practical completion
R	Defects liability period	41.6.....	Six months from practical completion
S	Damages for delay in completion	43.1.....	**Kshs. 200, 000/=** per week or part thereof

Signed by the said:

....

EMPLOYER **CONTRACTOR**

Date:..... **Date:.....**

MEASURED WORKS

MAIN HOUSE

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	PROPOSED CONSTRUCTION OF THE DEPUTY GOVERNOR'S OFFICIAL RESIDENCE				
	MAIN HOUSE				
	ELEMENT NO. 1				
	SUBSTRUCTURE (ALL PROVISIONAL) :-				
A.	Clear site off bushes, scrubs undergrowth and the like including grubbing up their roots and burn the arising on site as directed.	607	SM		
B.	Excavate to remove top vegetable soil average 300 mm deep from the existing ground level and cart away and dispose the arising to a location authorised by the local town council.	182	CM		
C.	Excavate trenches in normal soil for strip foundation not exceeding 1.50 M deep from the reduced level.	459	CM		
D.	Ditto for column bases ditto	31	CM		
E.	Load, cart away and spread extra excavation material on sited as directed by the Architect.	337	CM		
F.	Return, fill and ram selected excavated materials to sides of foundation wall.	335	CM		
	Wall:-				
G.	200 mm rough dressed natural stone wall in cement : sand mortar (1:4).	494	SM		
	Filling				
H.	300 mm thick approved hardcore filling well compacted in layers not exceeding 150 mm thick to make up levels.	607	SM		
I.	50 mm thick murram or other equal and approved blinding material to surface of hardcore (m.s.).	607	SM		
J.	"Gladiator" or other equal and approved anti-termite insecticide to hardcore surface applied in accordance with Manufacturer's written instructions.	607	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	Plain concrete (1:4:8) as described in :-				
A.	50 mm thick under strip foundation	191	SM		
B.	Ditto under column bases	14	SM		
	Reinforced concrete 1:2:4 as described in :-				
C.	Column bases	7	CM		
D.	Foundations	48	CM		
E.	Columns	1	CM		
F.	150 mm floor slab	607	SM		
	Sawn formwork as described to :-				
G.	Sides of columns	8	SM		
H.	Sides of column bases	30	SM		
I.	Edges of strip footing 150 - 225 mm girth	66	SM		
J.	Edges of slab 75 mm - 150 mm girth	132	LM		
	High Tensile Reinforcement Bars to B. S. 4461 including cutting, bending and all necessary spacer blocks : (Provisional) [100 Kg/Cm] :-				
K.	16 mm diameter	1344	KG		
K.	12 mm diameter	1120	KG		
L.	10 mm diameter	1120	KG		
M.	8 mm diameter	896	KG		
N	B. R. C. A 142 mesh reinforcement to Engineer's specification.	607	SM		
O	1000 gauge polythene damp proof membrane	607	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	Water disposal				
A.	Allow for keeping all excavation clear of surface and running water		ITEM		
	Plunking and Strutting				
B.	Allow for plunking and strutting to sides of all excavation to keep excavation free from all fallen materials		ITEM		
	Plinth finishes				
C.	12 mm thick plaster to plinth	66	SM		
D.	Prepare and apply two coats black bituminous paint to plastered surface	66	SM		
	Precast concrete paving blocks				
E.	Provide and lay to fall 60 mm thick medium duty interlocking precast concrete paving blocks as per "BAMBURI BLOX" catalogue or other equal and approved manufacturer's catalogue including vibrating down with an appoved plate compactor.	79	SM		
	Total carried to collection				
	COLLECTION				
	Carried forward from page 1/2				
	Carried forward from page 1/3				
	Brought down from above				
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 2				
	R. C. SUPERSTRUCTURE :-				
	Reinforced concrete (1:2:4) as described to :-				
A.	Columns	2	CM		
B.	Beams	26	CM		
	High Tensile Reinforcement Bars to B. S. 4461 including cutting, bending and all necessary spacer blocks : (Provisional) :-				
C	16 mm diameter	840	KG		
D	12 mm diameter	420	KG		
E	10 mm ditto	700	KG		
F	8 mm ditto	840	KG		
	Sawn formwork as described to :-				
G	Sides of columns.	20	SM		
H	Sides and soffits of beams	255	SM		
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 3				
	WALLING				
	Smooth dressed quarry stone or other equal and approved walling in Cement : sand (1:4) mortar :-				
A.	200 mm thick externally.	462	SM		
B.	Extra over ditto for 10 mm neat horizontal key and flush vertical joints in (1:4) mortar.	462	SM		
	Machine dressed blue stones :-				
C.	200 mm medium dressed internally	655	SM		
F.	Approved 200 mm wide damp proof course laid to breaking joints with 150 mm laps in cement : sand (1:3) mortar.	319	LM		
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO.				
	ROOF STRUCTURE				
	ROOF				
	(PROVISIONAL)				
	All timber to be well seasoned 2nd grade timber pressure impregnated with Tanalith 'C' :-				
	The following in 15 No. Trusses Type "T1" spanning 9855 mm with a height 3200 mm raised 3100 mm from the ground level :-				
A.	150 x 50 mm rafters	784	LM		
B.	100 x 50 mm king/end posts, struts/ ties	168	LM		
C.	150 x 50 mm top and ceiling joists	644	LM		
	Seasoned Celcured 2nd Grade Cypress :-				
D	150 x 50 mm common rafters	784	LM		
E	100 x 50 mm purlins	896	LM		
F	100 x 50 mm wall plate	319	LM		
G	150 x 50 mm valley, hip and ridge rafters	280	LM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	Roof Covering :-				
	Tile roofing consisting of decra roofing tiles or other equal and approved roof covering appropriate headlaps and sidelaps laid on and including 50 x 38 mm pressure impregnated cypress batten as described in :-				
A.	Roof coverings	1093	SM		
B.	250 mm diameter half round ridge and hip cap.	140	LM		
	Fascia eaves linings :-				
C	Eaves lining consisting UPVC	79	SM		
D	40 x 20 mm wrot podo quadrant in eaves	264	LM		
E	250 x 25 mm chamfered wrot cypress fascia / barge board with splayed heading joints fixed to ends of rafters and purlins.	238	LM		
F	100 x 20 mm moulded cornice	238	LM		
G	250 x 250 mm eaves vents in coffee tray wire and 40 x 25 mm cypress bidding all round including trimming T & G.	143	SM		
	Rainwater Disposal:-				
	28 Gauge SWG galvanized mild steel rainwater goods with lapped, rivetted and soldered joints or seams including all labours :-				
E	150 x 125 mm rectangular boxed eaves gutter including fixing clamps at 600 mm centre.	132	LM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
A.	100 mm diameter rainwater downpipe imbedded to walls or boxed in walls and all necessary clamping.	24	LM		
B.	Extra over ditto for swan neck	8	NO		
C.	Ditto for shoe	8	NO		
	Prepare and apply three coats gloss oil paint on :-				
D.	Surfaces of wood work girth 200 -300 mm externally	238	LM		
	Touch up primer prepare and apply three coats gloss oil paint on metal surfaces as described in :-				
E.	Surfaces of gutter 200 -300 mm girth	156	LM		
	Total carried to collection				
	COLLECTION				
	Brought forward from page 1/7				
	Brought forward from page 1/8				
	Brought down from above				
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 4				
	WINDOWS				
	Supply and fix the following standard steel casement windows divided into small equal panes complete with 12 mm square burglar proofing bars neatly welded behind the the openable panes and in the same patern as the panes including heavy duty closers and stay, fixing lugs and one coat red oxide primer all to Architect's details :-				
A	2800 x 2500mm high window comprising top, middle and middle fixed lights casement	3	no		
B	4300 X 1800mm high bay window comprising top and bottom fixed lights and middle openable casements	3	no		
C	Ditto size 1100 x 2000 mm window	5	NO		
D.	Ditto size 1450 x 1800 mm window	1	NO		
E	Ditto size 2200 x 2000 mm window	2	NO		
F	Ditto size 2400 x 2000 mm window	10	NO		
G	Ditto size 1000 x 2000 mm window	1	NO		
H	Ditto size 1500 x 2000 mm window	2	NO		
I	Ditto size 3500 x 2000 mm corner window	1	NO		
J	Ditto size 4100 x 2000 mm corner window	1	NO		
K	Ditto size 2000 x 2000 mm window	1	NO		
L	Ditto size 600 x 800 mm window	13	NO		
M	Supply and fix windows above the ringbeam and placed on the gables fabricated and finished according to the architects detailed drawings	28	SM		
	Glazing :-				
	5 mm thick clear sheet glass fixed to metal frames with putty				
K	Panes 0.1 - 0.5 square metres	182	SM		
L	Ditto but obscure	8	SM		
	Prepare and apply three coats oil paint to :-				
M	Metal surfaces	380	SM		
N	Ditto to burglar proof.	380	SM		
	Window Cill				
O	150 x 20 mm thick clay window cill jointed and pointed in coloured cement : sand (1:5) mortar	89	LM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	Wrot cypress :-				
A.	150 x 150 mm pelmet box comprising of 150 x 20 mm fascia and top and 50 x 50 mm battens 150 x 150 x 20 mm ends complete with silent gliss brass curtain track with 10 No. runners per metre.	89	LM		
	Knot, prime, stop and apply three coats gloss oil to :-				
B.	Wooden surfaces 200 - 300 mm	89	LM		
	Total carried to collection				
	COLLECTION				
	Carried forward from page 1/10				
	Brought down from above				
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 5				
	DOORS (All to Architects details)				
	Panelled Hardwood doors :-				
A.	Supply and fix 1800x2400mm high double leaf panelled Mahogany door comprising of 2No. 900x2400mm high openable casements made of 200x200 panels joined to the framing with dowels and acrefully grooved to make approved patterns all to the Architects details.	3	NO		
	45 mm panelled mahogany door fabricated in accordance to the detailed drawings:-				
C	Door size 900 x 2400 mm	14	NO		
D	Door size 800 x 2400 mm	4	NO		
	Frames and Finishings				
	Wrot prime grade well seasoned Mahogany :-				
E	150 x 50 mm rebated frame	145	LM		
F	40 x 20 mm splayed and rounded architrave	145	LM		
G	20 mm quadrant	145	LM		
	Supply and fix a peephole lense on the door	17	NO		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	Ironmongery				
	Supply and fix the following approved quality ironmongery to timber with matching screws :-				
A	100 mm pressed steel butt hinges	36	PRS		
B	Four lever mortice lock with a pair of brass handles as per union catalogue.	24	NO		
D	Rubber door stop floor mounted	24	NO		
E	150 mm aluminium tower bolt	24	NO		
F	Door chain	20	NO		
	Painting				
	Prepare and apply one coat aluminium wood primer to back of frame before fixing to :-				
G	Surface girth 100 - 200 mm	145	LM		
	Prepare and apply three coats of clear lacquer varnish to :-				
H	Surface girth 100 - 200 mm	145	LM		
I	General timber surfaces	207	SM		
	Total carried to collection				
	COLLECTION				
	Brought forward from page 1/12				
	Brought forward from page 1/13				
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 6				
	FINISHES				
	Floors				
	Cement : sand (1:4) in :-				
B.	25mm thick woodfloated to receive SAJ ceramic tiles	607	SM		
	Walls				
D	12 mm thick cement and sand (1:4) plaster to columns, walls ,beams and jambs internally.	1772	SM		
	Tiles as per Saj Catalogue :-				
F	300 x 300 x 8 mm white ceramic wall tiles including border tiles as per Saj Tiles Catalogue.	200	SM		
G	300 x 300 x 8 mm thick coloured non slip ceramic floor tiles	607	SM		
	Painting				
H	Prepare and apply three coats silk emulsion paint to internal wall and beam surfaces.	1,772	SM		
	Ditto but to gypsum celing surfaces	650	SM		
	Ceiling				
I	Supply and fix well patterned gypsum ceiling anchored on metallic rails brandering spaced at 600mm centers .	650	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 7				
	JOINERY FITTINGS				
	All (Provisional)				
	Store Shelves				
A.	4000 x 600 x 2100 mm high shelves comprising 100 mm thick mass concrete 1:3:6 plinth steel trowelled screed, wrot prime grade cypress frames, 20 mm thick blockboard, hardwood lipped to shelves, divisions and doors, drawers, shoerack, aluminium ironmongery, 20 mm diameter hanging rail, three coats oil paint and all formwork as per Architect's details.	3	NO		
	Kitchen Cabinet				
D.	18400 x 600 x 900 mm worktop comprising of 20mm marble top placed onto 100 mm thick R.C. slab reinforced with BRC A142 mesh fabric 6 No. 100 mm thick solid concrete block wall plasterd and painted, MDF board shelves doors and partition as necessary, wrot cypress frame, brass ironmongery including three coats oil paint and all formwork as per Architect's details.	1	NO		
E	High level shelving size 19400 x 300 x 600 mm in two levels comprising 20 mm blockboard tops, bottom, sides, sliding doors, 50 x 25 mm cypress battens, steel angle supports 150 x 200 x 10 mm wide at 600 mm centres, aluminium ironmongery and three coats oil paint to timber surfaces as per Architect's details.	1	NO		
	Walk-in Closet				
	4100 x 600 x 2100 mm high walk-in closet comprising 100 mm thick mass concrete 1:3:6 plinth steel trowelled screed, wrot prime grade cypress frames, 20 mm thick MDF, hardwood lipped to shelves, divisions and doors, drawers, shoerack, aluminium ironmongery, 20 mm diameter hanging rail, three coats oil paint and all formwork as per Architect's details.	3	NO		
	3700 x 600 x 2100 mm high ditto.	1	NO		
B	3400 x 600 x 2100 mm high ditto	1	NO		
C	2000 x 600 x 2100 mm high ditto	1	NO		
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	SUMMARY				
1	Substructure	1/3			
2	Reinforced Concrete Superstructure	1/4			
3	Roof	1/8			
4	Walling	1/5			
5	Windows	1/10			
6	Doors	1/11			
7	Finishes	1/13			
8	Joinery Fixtures	1/14			
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	DSQ				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	PROPOSED CONSTRUCTION OF DEPUTY GOVERNOR'S OFFICIAL RESIDENCE- DSQ BLOCK				
	ELEMENT NO. 1				
	SUBSTRUCTURE (ALL PROVISIONAL) :-				
A.	Clear site off bushes, scrubs undergrowth and the like including grubbing up their roots and burn the arising on site as directed.	170	SM		
B.	Excavate to remove top vegetable soil average 300 mm deep from the existing ground level and cart away and dispose the arising to a location authorised by the local town council.	51	CM		
C.	Excavate trenches in normal soil for strip foundation not exceeding 1.50 M deep from the reduced level.	202	CM		
E.	Load, cart away and spread extra excavation material on sited as directed by the Architect.	85	CM		
F.	Return, fill and ram selected excavated materials to sides of foundation wall.	168	CM		
	Walls:-				
G.	200 mm rough dressed natural stone wall in cement : sand mortar (1:4).	171	SM		
	Filling				
H.	300 mm thick approved hardcore filling well compacted in layers not exceeding 150 mm thick to make up levels.	170	SM		
I.	50 mm thick murram or other equal and approved blinding material to surface of hardcore (m.s.).	170	SM		
J.	"Gladiator" or other equal and approved anti-termite insecticide to hardcore surface applied in accordance with Manufacturer's written instructions.	170	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	Plain concrete (1:4:8) as described in :-				
A.	50 mm thick under strip foundation	88	SM		
	Reinforced concrete 1:2:4 as described in :-				
D.	Foundations	22	CM		
F.	150 mm floor slab	170	SM		
	Sawn formwork as described to :-				
I.	Edges of strip footing 150 - 225 mm girth	55	SM		
J.	Edges of slab 75 mm - 150 mm girth	55	LM		
	High Tensile Reinforcement Bars to B. S. 4461 including cutting, bending and all necessary spacer blocks : (Provisional) [100 Kg/Cm] :-				
K.	16 mm diameter	528	KG		
K.	12 mm diameter	440	KG		
L.	10 mm diameter	440	KG		
M.	8 mm diameter	352	KG		
N	B. R. C. A 142 mesh reinforcement to Engineer's specification.	170	SM		
O	1000 gauge polythene damp proof membrane	170	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	Water disposal				
A.	Allow for keeping all excavation clear of surface and running water		ITEM		
	Plunking and Strutting				
B.	Allow for plunking and strutting to sides of all excavation to keep excavation free from all fallen materials		ITEM		
	Plinth finishes				
C.	12 mm thick plaster to plinth	28	SM		
D.	Prepare and apply two coats black bituminous paint to plastered surface	28	SM		
	Precast concrete paving blocks				
E.	Provide and lay to fall 60 mm thick medium duty interlocking precast concrete paving blocks as per "BAMBURI BLOX" catalogue or other equal and approved manufacturer's catalogue including vibrating down with an appoved plate compactor.	88	SM		
	Total carried to collection				
	COLLECTION				
	Carried forward from page 1/2				
	Carried forward from page 1/3				
	Brought down from above				
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 2				
	R. C. SUPERSTRUCTURE :-				
	Reinforced concrete (1:2:4) as described to :-				
B.	Beams	9	CM		
	High Tensile Reinforcement Bars to B. S. 4461 including cutting, bending and all necessary spacer blocks : (Provisional) :-				
C	16 mm diameter	270	KG		
D	12 mm diameter	135	KG		
E	10 mm ditto	225	KG		
F	8 mm ditto	270	KG		
	Sawn formwork as described to :-				
H	Sides and soffits of beams	88	SM		
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 3				
	WALLING				
	Smooth dressed quarry stone or other equal and approved walling in Cement : sand (1:4) mortar :-				
A.	200 mm thick externally.	193	SM		
B.	Extra over ditto for 10 mm neat horizontal key and flush vertical joints in (1:4) mortar.	193	SM		
	Machine dressed blue stones :-				
C.	200 mm medium dressed internally	193	SM		
F.	Approved 200 mm wide damp proof course laid to breaking joints with 150 mm laps in cement : sand (1:3) mortar.	110	LM		
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO.				
	ROOF STRUCTURE				
	ROOF				
	(PROVISIONAL)				
	All timber to be well seasoned 2nd grade timber pressure impregnated with Tanalith 'C' :-				
	The following in 15 No. Trusses Type "T1" spanning 9855 mm with a height 3200 mm raised 3100 mm from the ground level :-				
A.	150 x 50 mm rafters	234	LM		
B.	100 x 50 mm king/end posts, struts/ ties	78	LM		
C.	150 x 50 mm top and ceiling joists	182	LM		
	Seasoned Celcured 2nd Grade Cypress :-				
D	150 x 50 mm common rafters	234	LM		
E	100 x 50 mm purlins	576	LM		
F	100 x 50 mm wall plate	140	LM		
G	150 x 50 mm valley, hip and ridge rafters	224	LM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	Roof Covering :-				
	Tile roofing consisting of decra roofing tiles or other equal and approved roof covering appropriate headlaps and sidelaps laid on and including 50 x 38 mm pressure impregnated cypress batten as described in :-				
A.	Roof coverings	279	SM		
B.	250 mm diameter half round ridge and hip cap.	112	LM		
	Fascia eaves linings :-				
C	Eaves lining consisting UPVC	33	SM		
D	40 x 20 mm wrot podo quadrant in eaves	110	LM		
E	250 x 25 mm chamfered wrot cypress fascia / barge board with splayed heading joints fixed to ends of rafters and purlins.	55	LM		
F	100 x 20 mm moulded cornice	110	LM		
G	250 x 250 mm eaves vents in coffee tray wire and 40 x 25 mm cypress bidding all round including trimming T & G.	66	SM		
	Rainwater Disposal:-				
	28 Gauge SWG galvanized mild steel rainwater goods with lapped, rivetted and soldered joints or seams including all labours :-				
E	150 x 125 mm rectangular boxed eaves gutter including fixing clamps at 600 mm centre.	55	LM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
A.	100 mm diameter rainwater downpipe imbedded to walls or boxed in walls and all necessary clamping.	12	LM		
B.	Extra over ditto for swan neck	4	NO		
C.	Ditto for shoe	4	NO		
	Prepare and apply three coats gloss oil paint on :-				
D.	Surfaces of wood work girth 200 -300 mm externally	55	LM		
	Touch up primer prepare and apply three coats gloss oil paint on metal surfaces as described in :-				
E.	Surfaces of gutter 200 -300 mm girth	67	LM		
	Total carried to collection				
	COLLECTION				
	Brought forward from page 1/7				
	Brought forward from page 1/8				
	Brought down from above				
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 4				
	WINDOWS				
	Supply and fix the following standard steel casement windows divided into small equal panes complete with 12 mm square burglar proofing bars neatly welded behind the the openable panes and in the same patern as the panes including heavy duty closers and stay, fixing lugs and one coat red oxide primer all to Architect's details :-				
A	1500 x 1500mm high window comprising top, middle and middle fixed lights casement	9	no		
L	Ditto size 600 x 800 mm window	4	NO		
	Glazing :-				
	5 mm thick clear sheet glass fixed to metal frames with putty				
K	Panes 0.1 - 0.5 square metres	65	SM		
L	Ditto but obscure	2	SM		
	Prepare and apply three coats oil paint to :-				
M	Metal surfaces	134	SM		
N	Ditto to burglar proof.	134	SM		
	Window Cill				
O	150 x 20 mm thick clay window cill jointed and pointed in coloured cement : sand (1:5) mortar	19	LM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	Wrot cypress :-				
A.	150 x 150 mm pelmet box comprising of 150 x 20 mm fascia and top and 50 x 50 mm battens 150 x 150 x 20 mm ends complete with silent gliss brass curtain track with 10 No. runners per metre.	19	LM		
	Knot, prime, stop and apply three coats gloss oil to :-				
B.	Wooden surfaces 200 - 300 mm	19	LM		
	Total carried to collection				
	COLLECTION				
	Carried forward from page 1/10				
	Brought down from above				
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 5				
	DOORS (All to Architects details)				
	Panelled Hardwood doors :-				
	45 mm panelled mahogany door fabricated in accordance to the detailed drawings:-				
C	Door size 900 x 2400 mm	8	NO		
D	Door size 800 x 2400 mm	4	NO		
	Frames and Finishings				
	Wrot prime grade well seasoned Mahogany :-				
E	150 x 50 mm rebated frame	83	LM		
F	40 x 20 mm splayed and rounded architrave	83	LM		
G	20 mm quadrant	83	LM		
	Supply and fix a peephole lense on the door	8	NO		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	Ironmongery				
	Supply and fix the following approved quality ironmongery to timber with matching screws :-				
A	100 mm pressed steel butt hinges	18	PRS		
B	Four lever mortice lock with a pair of brass handles as per union catalogue.	12	NO		
D	Rubber door stop floor mounted	12	NO		
E	150 mm aluminium tower bolt	12	NO		
F	Door chain	8	NO		
	Painting				
	Prepare and apply one coat aluminium wood primer to back of frame before fixing to :-				
G	Surface girth 100 - 200 mm	83	LM		
	Prepare and apply three coats of clear lacquer varnish to :-				
H	Surface girth 100 - 200 mm	83	LM		
I	General timber surfaces	52	SM		
	Total carried to collection				
	COLLECTION				
	Brought forward from page 1/12				
	Brought forward from page 1/13				
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 6				
	FINISHES				
	Floors				
	Cement : sand (1:4) in :-				
B.	25mm thick woodfloated to receive SAJ ceramic tiles	170	SM		
	Walls				
D	12 mm thick cement and sand (1:4) plaster to columns, walls ,beams and jambs internally.	579	SM		
	Tiles as per Saj Catalogue ;-				
F	300 x 300 x 8 mm white ceramic wall tiles including border tiles as per Saj Tiles Catalogue.	55	SM		
G	300 x 300 x 8 mm thick coloured non slip ceramic floor tiles	170	SM		
	Painting				
H	Prepare and apply three coats silk emulsion paint to internal wall and beam surfaces.	579	SM		
	Ditto but to gypsum celing surfaces	170	SM		
	Ceiling				
I	Supply and fix well patterned gypsum ceiling anchored on metallic rails brandering spaced at 600mm centers .	170	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 7				
	JOINERY FITTINGS				
	All (Provisional)				
	Kitchen Cabinet				
D.	3700 x 600 x 900 mm worktop comprising of 20mm marble top placed onto 100 mm thick R.C. slab reinforced with BRC A142 mesh fabric 6 No. 100 mm thick solid concrete block wall plasterd and painted, MDF board shelves doors and partition as necessary, wrot cypress frame, brass ironmongery including three coats oil paint and all formwork as per Architect's details.	1	NO		
E	High level shelving size 3700 x 300 x 600 mm in two levels comprising 20 mm blockboard tops, bottom, sides, sliding doors, 50 x 25 mm cypress battens, steel angle supports 150 x 200 x 10 mm wide at 600 mm centres, aluminium ironmongery and three coats oil paint to timber surfaces as per Architect's details.	1	NO		
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	SUMMARY				
1	Substructure	1/3			
2	Reinforced Concrete Superstructure	1/4			
3	Roof	1/8			
4	Walling	1/5			
5	Windows	1/10			
6	Doors	1/11			
7	Finishes	1/13			
8	Joinery Fixtures	1/14			
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	BOUNDARY WALL				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	PROPOSED CONSTRUCTION OF BOUNDARY WALL, GATE SENTRY				
	BOUNDARY WALL				
	ELEMENT NO. 1				
	SUBSTRUCTURE (ALL PROVISIONAL) :-				
A	Excavate trenches in normal soil for strip foundation not exceeding 1.50 M deep from the ground level.	332	CM		
B	Ditto for column bases ditto	228	CM		
C	Load, cart away and spread extra excavation material on sited as directed by the project manager.	560	CM		
	Wall:-				
D	200 mm rough dressed natural stone wall in cement : sand mortar (1:4)	474	SM		
	Filling				
E	Return fill and rum selected excavated material to sides of foundation walling.	95	CM		
	Plain concrete (1:4:8) as described in :-				
F	50 mm thick under strip foundation	221	SM		
G	Ditto under column bases	120	SM		
	Reinforced concrete 1:2:4 as described in :-				
H	Column bases	24	CM		
I	Strip foundation	44	CM		
J	Columns	32	CM		
	Sawn formwork as described to :-				
K	Sides of columns	216	SM		
L	Edges of column bases 150 - 225 mm girth	96	LM		
M	Edges of strip foundation 150-225mm girth	60	SM		
	Total carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	High Tensile Reinforcement Bars to B. S. 4461 including cutting, bending and all necessary spacer blocks : (Provisional) [50 Kg/Cm] :-				
A	12 mm diameter	2800	KG		
B	10 mm diameter	3600	KG		
C	8 mm diameter	1600	KG		
	Total carried to collection				
	COLLECTION				
	Carried forward from page 2				
	Brought down from above				
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 2				
	R. C. SUPERSTRUCTURE :-				
	Reinforced concrete (1:2:4) as described to :-				
A.	Columns	23	CM		
B.	Ditto but ground beams	5	CM		
	High Tensile Reinforcement Bars to B. S. 4461 including cutting, bending and all necessary spacer blocks : (Provisional) :-				
C	12 mm diameter	672	KG		
D.	10 mm ditto	1,008	KG		
E	8 mm ditto	560	KG		
	Sawn formwork as described to :-				
F	Sides of columns	302	SM		
G	Sides of ground beams	30	SM		
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELEMENT NO. 3				
	WALLING				
	Machine cut stone or other equal and approved walling in Cement : sand (1:4) mortar :-				
A.	200 mm thick boundary wall including neat horizontal and vertical key pointing internally and externally	758	SM		
B.	Ditto but retaining wall	180	SM		
	Precast Concrete				
C.	275 x 50 mm thick pre-cast concrete coping bedded and jointed in cement : sand (1:4) mortar.	316	LM		
D	Ditto but 350 x 350 x 50 mm thick to column	120	NO		
E	Mild steel balustrading comprising 50 x 25x3 mm rolled hollow section frame all round and cross bracing of 25 x 50x3 mm RHS middle rail. 25 x 25x3 mm vertical support bars at 150 mm centre spacing including all hinges, fixing lugs and painting.	158	SM		
	Gates				
F	Gate overall size 6000x2900mm high in 2No. Equal leaves comprising 50x50x3mm thick rolled hollow section frame all round and at 500mm vertical balusters at 155mm centers spear spiked top end complete with locking devices, including casting into columns in cement sand mortar 1:3 with one coat red oxide, including 3 No.2.7m high size 400x300mm complete with reinforcement and formwork.	2	NO		
G	Ditto but single pedestrian gate size 1481x2900mm high.	2	NO		
H	Prepare and apply three coats, high gloss oil paint to " crown" paints or equal and approved to metal general surfaces (bsm)	30	SM		
I	Allow a provisonal sum of 400,000.00 only for constructing a sentry box complete complete with a changing room as instructed by the project manager.	2	NO		
	Total carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	SUMMARY				
1	Substructure				
2	Reinforced Concrete Superstructure				
3	Walling				
	TOTAL FOR BOUNDARY WALL, GATE AND SENTRY CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	PARKING				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	PROPOSED PARKING AND DRIVE WAYS AT THE DEPUTY GOVERNOR'S RESIDENCE				
	SITE CLEARANCE				
A	Cut down, uproot stumps of trees not exceeding 800mm diameter stem and chop it into pieces not exceeding 1000mm long each and arrange the pieces on site.	10	No.		
	PARKING				
B.	Clear site off bushes, scrubs undergrowth and the like including grubbing up their roots and burn the arising on site as directed.	1500	SM		
C.	Mass excavate to reduce level average 700 mm deep from the existing ground level and cart away the arising to a location authorised by the architect.	450	CM		
D.	Supply and spread imported red soil, fill and ram selected excavated materials to excavated areas.	450	CM		
E.	Approved handpacked hardcore average depth 300 mm faced in layers of 150 mm and well compacted.	450	CM		
F.	50 mm thick quarry dust or other equal and approved blinding material to to receive precast concrete paving slabs.	1500	SM		
G	"Gladiator" or other equal and approved anti-termite insecticide to hardcore surface applied in accordance with Manufacturer's written instructions.	1500	SM		
	Precast concrete paing blocks				
H	Provide and lay to fall 60 mm thick medium duty interlocking precast concrete Cabro blocks as per "BAMBURI BLOX" catalogue or other equal and approved manufacturer's catalogue including vibrating down with an appoved plate compactor.	1,500	SM		
	Kerbs				
I	Precast concrete (1:2:4) Class 20 : 20 kerbs size 125 x 250 mm high splayed on edge laid to required fall, level, joints and pointing in cement : sand (1:3) mortar including 450 x 300 mm overall foundation to kerb triangular hounding splayed to all along the top edge all necessary excavation backfilling and dispose of extra excavated materials as directed by the Engineer.	250	LM		
J	Supply and fix parking shades made of weather proof canvas material fixed steel supports as detailed in the drawings each with a capacity of 2No. Vehicles	10	No		
	TOTAL PROPOSED PARKING AT THE DEPUTY GOVERNOR'S RESIDENCE				

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	ELECTRICAL WORKS				

BILLS OF QUANTITIES FOR ELECTRIFICATION OF MERU COUNTY DEPUTY GOVERNOR'S RESIDENCE, SERVANT QUARTERS AND GATE HOUSE.

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	DEPUTY GOVERNOR'S RESIDENCE				
	Supply , install ,test, and commision the following items				
A	Lighting points wired with 1.5 mm sq. PVC single core copper cables drawn in 20 mm Dia. Conduit for one way switching.	64	No		
B	Ditto but for two way switching.	110	No		
C	**SWITCHES**				
	1. 10 A one-gang one-way Bronze/gold coated finishing switch as MEM / IFFLUX /Crabtree or equal and approved	5	No		
	2. Ditto but for One gang two way switching	20	No		
	3.Ditto but Two-gang two-way switch	25	No		
	4. Ditto but Three-gang two-way switch	27	No		
	5. Ditto but Four-gang two way switch	10	No		
	6. Ditto but 10A Intermediate switch	3	No		
	LIGHTING FITTINGS				
	(Samples to be approved)				
D	30W 150mm dia down lighting, ceiling recessed fitting as PHILIPS/ KETAI/ Thorn manufacture or equal and approved	85	No		
E	30W, 100mm dia down lighting, ceiling recessed fitting as PHILIPS/ KETAI/ Thorn manufacture or equal and approved	27	No		
	Total carried forward				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH.
	Total carried from above				
F	1x 16W Oyster lighting fitting as thorn 2DCL16BR complete with 16 W 2D LAMP	3	No		
G	Wall Bracket interior decor lighting, fitting as PHILIPS/ KETAI/ Thorn manufacture or equal and approved	50	No		
H	100W Water proof LED Wall mounted Bracket Security lighting fitting as PHILIPS/ KETAI / Thorn manufacture or equal and approved	18	No		
I	Spherical ceiling lighting fitting as PHILIPS/ KETAI/ Thorn manufacture or equal and approved	16	No		
J	Dressing mirror lighting fitting as PHILIPS/ KETAI/ Thorn manufacture or equal and approved	5	No		
K	Chandelier lighting fitting as PHILIPS/ KETAI/ Thorn manufacture or equal and approved	14	No		
L	SphericalFull Moon ceiling lighting fitting as PHILIPS/ KETAI/ Thorn manufacture or equal and approved	8	No		
M	1x 18W, 600mm LED Flourescent Study room lighting fitting as PHILIPS/ KETAI/ Thorn manufacture or equal and approved	4	No		
	2 x 8 W fluorescent bulkhead as thorn OBV2008	5	No		
	Total carried forward				

ITEM	DESCRIPTION	QTY	UNIT		
	Total carried from above				
	POWER SYSTEMS				
A	Twin Socket outlet points wired with 3 x2.5mm sq. pvc single core cables drawn in 20 mm dia.conduit	70	No		
B	13 A Twin Socket outlets Gold/bronze coat finished plate as MEM/CRABTREE or equal and approved	70	No		
C	Telephone cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	8	No		
D	Telephone outlet box as MK	8	No		
E	Television Aerial cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	8	No		
F	Television outlet gold/bronze coated finishing plate as MK/CRABTREE or equal and approved	8	No		
G	3 x 10.0 mm sq. pvc single core cables drawn in 32 mm dia. From the DB'S to the Consumer Units	70	LM		
H	5 x 16.0 mm sq.pvc single core cables drawn in 38 mm dia. Conduit from the Loop - in boxes to the DB'S	30	LM		
I	8 Way TPN distribution board complete with 80 A Isolator AS Crabtree	1	No		
J	12-Way consumer Unit as Crabtree or equal and approved	2	No		
K	Hand dryer points wired with 3 x2.5mm sq. pvc single core cables drawn in 20 mm dia.conduit	8	No		
	Total carried forward				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	Total carried from previous page				
L	Hand dryer with automatic sensor switching	8	No		
M	Circuit breakers as Crabtree				
	1) 10 A	15	No		
	2) 20A	7	No		
	3) 30 A	10	No		
	4) 60 A	2	No		
	5) 80 A TPN	2	No		
	6) 100 A TPN MCCB	1	No		
	4) blanking plate	4	No		
N	20A double pole water heater point wired in 3 x 4mm^2 sc pvc cables drawn in concealed 25mm diameter heavy gauge pvc conduits	6	No		
O	4.4kW Executive Water heaters asLORENZETTI or equal and approved	6	No		
P	Shaver point wired with 2.5mm sq. pvc single core cables drawn in 20 mm dia.conduit	4	No		
Q	100mm dia. Heavy gauge PVC Duct	20	LM		
R	Earthing to KP&LC STANDERED	2	Item		
S	16.0mm^2 4 core pvc/swa/pvc cable	80	LM		
T	Cable glands for the item above	4	No		
U	Tiling trenching and back filling including cable markers	100	LM		
V	Cable looping box with 80 A TPN fuses and fuse links	2	No		
W	Cooker point wired with 6.0mm sq. pvc single core cables drawn in 25 mm dia.conduit	2	Item		
X	45A cooker control unit as Crabtree	2	No		
Y	Cooker connector	2	No		
	Total for Internal wiring carried forward				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH.
	Total carried from previous page				
Z	16-Gauge three phase meter box size 24x24x10 including 50mm dia PVC conduit for KPLC cable entry installed in the Meter Cubiclal	1	Item		
AA	200A Tripple pole &Neutral(TP&N) MCCB as ABB/TELEMECANIQUE or equal and approved	1	No		
BB	Testing and commissioning	1	Item		
CC	Bell circuit wired with 3x2.5mm sq. pvc single core cables drawn in 20 mm dia.conduit including the speaker bell sounder	1	Item		
	FIRE ALARM SYSTEM				
A	20A DP switchfuse with cover painted red and an attached Label with the conspicuous legend FIRE ALARM - DO NOT SWITCH OFF', complete with all wiring in 3 x 2.5mm^2 sc pvc copper cables drawn in concealed 25mm dia. Pvc conduit from a 10A MCB in DB, all accessories included.	1	Item		
B	Break glass call points flash mounted as Menvier Model No. MBG 913 or approved equivalent	6	No		
C	Fire bell Sounders as -:				
	i) 24V DC 6" (150mm) as Menvier Model No. MBM 246 or approved equivalent	6	No		
	ii)Weather - proof electronic Sounder - deep base rated 105db as Menvier Model No. MWS 424 or equivalent	2	No		
D	4 Zone Fire protection control panel complete with 72hr battery back - up all accessories included as Menvier Model No. MF 9304 or approved equivalent	1	No		
	Total carried forward				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	Total carried from previous page				
	LIGHTNING PROTECTION SYSTEM				
A	25mm x 4mm copper tape down conductor supported under ridge tiles, at water bonding and all else 1.0M intervals including junction clamps.	210	LM		
B	Galvanized Steel conduit 32mm dia. At ground floor (2.5M) for item (A) above.	20	LM		
C	Earthing Chamber 300 x 300mm masonary type complete with removable cover	8	No		
D	16mm dia. X 1500mm long pure copper earth rod with clamp and all accessories.	2	No		
E	Approved test clamps as Furse	2	No		
F	Air termination (600mm long pure copper with spikes) mounted on bracket as Furse	8	No		
	SUB-TOTAL FOR DEPUTY GOVERNOR'S RESIDENCE				

ITEM	DESCRIPTION	QTY	UNIT		
	SUMMARY				
A	**SUB-TOTAL FOR DEPUTY GOVERNOR'S RESIDENCE**				**2,878,320.00**
B	ADD Contigencies	1	Item		300,000.00
C	Allow provision sum of kshs 250,000 for construction of Meter cubicle	1	Item		250,000.00
D	Allow kshs 500,000 for KPLC Connection charges	1	Item		500,000.00
	TOTAL FOR DEPUTY GOVERNORS RESIDENCE CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	SUMMARY				
A	**SUB-TOTAL FOR DEPUTY GOVERNOR'S RESIDENCE OFFICE**				
B	ADD Contigencies	1	Item		300,000.00
C	Allow provision sum of kshs 250,000 for construction of Meter cubicle	1	Item		250,000.00
D	Allow kshs 500,000 for KPLC Connection charges	1	Item		500,000.00
	TOTAL FOR GOVERNOR'S RESIDENCE OFFICE CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	DEPUTY GOVERNOR'S SERVANT QUARTER				
	Supply , install ,test, and commision the following items				
A	Lighting points wired with 1.5 mm sq. PVC single core copper cables drawn in 20 mm Dia. Conduit for one way switching.	14	No		
B	Ditto but for two way switching.	12	No		
C	**SWITCHES (Samples to be approved)**				
	1. 10 A one-gang one-way Bronze/gold coated finishing switch as MEM / IFFLUX /Crabtree or equal and approved	8	No		
	2. Ditto but for One gang two way switching	15	No		
	3.Ditto but Two-gang two-way switch	4	No		
	4. Ditto but Three-gang two-way switch	1	No		
	LIGHTING FITTINGS (Samples to be approved)				
D	30W 150mm dia down lighting, ceiling recessed fitting as PHILIPS/ KETAI/ Thorn manufacture or equal and approved	8	No		
E	1x 16W Oyster lighting fitting as thorn 2DCL16BR complete with 16 W 2D LAMP	3	No		
F	100W Water proof LED Wall mounted Bracket Security lighting fitting as PHILIPS/ KETAI / Thorn manufacture or equal and approved	6	No		
G	Spherical ceiling lighting fitting as PHILIPS/ KETAI/ Thorn manufacture or equal and approved	8	No		
	Total carried forward				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH.
	Total carried from above				
H	SphericalFull Moon ceiling lighting fitting as PHILIPS/ KETAI/ Thorn manufacture or equal and approved	2	No		
	POWER SYSTEMS				
A	Twin Socket outlet points wired with 3 x2.5mm sq. pvc single core cables drawn in 20 mm dia.conduit	20	No		
B	13 A Twin Socket outlets Gold/bronze coat finished plate as MEM/CRABTREE or equal and approved	20	No		
C	Telephone cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	7	No		
D	Telephone outlet box as MK	7	No		
E	Television Aerial cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	7	No		
F	Television outlet gold/bronze coated finishing plate as MK/CRABTREE or equal and approved	7	No		
G	3 x 10.0 mm sq. pvc single core cables drawn in 32 mm dia. From the Loop-in box to the Consumer Units	20	LM		
H	Earthing to KP&LC STANDERED	2	Item		
I	16.0mm^2 4 core pvc/swa/pvc cable	80	LM		
J	12-Way consumer Unit as Crabtree or equal and approved	1	No		
K	Hand dryer with automatic sensor switching	1	No		
	Total carried forward				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSHS.
	Total carried from previous page				
L	Circuit breakers as Crabtree				
	1) 10 A	3	No		
	2) 20A	1	No		
	3) 30 A	3	No		
	4) 60 A	2	No		
	5) 80 A TPN	2	No		
	6) blanking plate	4	No		
M	20A double pole water heater point wired in 3 x 4mm^2 sc pvc cables drawn in concealed 25mm diameter heavy gauge pvc conduits	6	No		
N	4.4kW Water heaters asLORENZETTI or equal and approved	6	No		
O	Hand dryer point wired with 2.5mm sq. pvc single core cables drawn in 20 mm dia.conduit	1	No		
P	100mm dia. Heavy gauge PVC Duct	10	LM		
Q	Earthing to KP&LC STANDERED	1	Item		
R	10.0mm^2 2-core pvc/swa/pvc cable	80	LM		
S	Cable glands for the item above	4	No		
T	Tiling trenching and back filling including cable markers	100	LM		
V	Cable looping box with 80 A TPN fuses and fuse links	1	No		
U	Cooker point wired with 6.0mm sq. pvc single core cables drawn in 25 mm dia.conduit	1	Item		
V	45A cooker control unit as Crabtree	1	No		
W	Cooker connector	1	No		
X	Testing and commissioning	1	Item		
	TOTAL FOR DEPUTY GOVERNOR'S SERVANT QUARTER CARRIED TO GRAND SUMMARY PAGE				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH.
	DEPUTY GOVERNOR'S GATE HOUSE				
	Supply , install ,test, and commision the following items				
A	Lighting points wired with 1.5 mm sq. PVC single core copper cables drawn in 20 mm Dia. Conduit for one way switching.	9	No		
B	Ditto but for two way switching.	14	No		
C	**SWITCHES (Samples to be approved)**				
	1). Ditto but for One gang two way switching	5	No		
	2).Ditto but Two-gang two-way switch	6	No		
	3). Ditto but Three-gang two-way switch	1	No		
	LIGHTING FITTINGS (Samples to be approved)				
D	30W 150mm dia down lighting, surface mounted fitting as PHILIPS/ KETAI/ Thorn manufacture or equal and approved	5	No		
E	30W Water proof LED flood light lighting fitting as PHILIPS/KETAI/THORN or equal and approved	4	No		
F	100W Water proof LED Wall mounted Bracket Security lighting fitting as PHILIPS/ KETAI / Thorn manufacture or equal and approved	6	No		
G	Spherical ceiling lighting fitting as PHILIPS/ KETAI/ Thorn manufacture or equal and approved	2	No		
H	Spherical Full Moon ceiling lighting fitting as PHILIPS/ KETAI/ Thorn manufacture or equal and approved	2	No		
	Total carried forward				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH.
	Total carried from above				
	POWER SYSTEMS				
A	Twin Socket outlet points wired with 3 x2.5mm sq. pvc single core cables drawn in 20 mm dia.conduit	5	No		
B	13 A Twin Socket outlets Gold/bronze coat finished plate as MEM/CRABTREE or equal and approved	5	No		
C	Telephone cord outlet point in concealed pvc conduit complete with outlet plate and draw wire	2	No		
D	Telephone outlet box as MK	2	No		
E	3x10.0mm sq. pvc single core cables drawn in 32 mm dia. From the Loop-in box to the Consumer Units	20	LM		
F	Earthing to KP&LC STANDERED	1	Item		
G	16.0mm^2 2-core pvc/swa/pvc cable	80	LM		
H	6-Way consumer Unit as Crabtree or equal and approved	1	No		
I	Circuit breakers as Crabtree				
	1) 10 A	2	No		
	2) 30 A	2	No		
	3) blanking plate	8	No		
J	50mm dia. Heavy gauge PVC Duct	20	LM		
K	Earthing to KP&LC STANDERED	1	Item		
L	10.0mm^2 2-core pvc/swa/pvc cable	80	LM		
M	Cable glands for the item above	2	No		
	Total carried forward				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH.
	Total carried from above				
N	Tiling trenching and back filling including cable markers	90	LM		
O	Cable looping box with 80 A TPN fuses and fuse links	1	No		
P	Testing and commissioning	1	Item		
	TOTAL FOR DEPUTY GOVERNOR'S GATE HOUSE CARRIED TO GRAND SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	KSH.
	GRAND SUMMARY PAGE				
	TOTAL FOR DEPUTY GOVERNORS RESIDENCE CARRIED TO GRAND SUMMARY				
	TOTAL FOR GOVERNOR'S SERVANT QUARTER CARRIED TO GRAND SUMMARY PAGE				
	TOTAL FOR GOVERNOR'S GATE HOUSE CARRIED TO GRAND SUMMARY				
	GRAND TOTAL FOR DEPUTY GOVERNOR'S RESIDENCE CARRIED TO FORM OF TENDER				
	GVN /RES/ GATE/ 20				

PROVISIONAL SUMS

ITEM	DESCRIPTION	QTY	UNIT	RATE	SHS.
	PROPOSED CONSTRUCTION OF THE DEPUTY GOVERNOR'S OFFICIAL RESIDENCE				
	P.C. AND PROVISIONAL SUMS				
	Septic tank Installations				
A	Provide a provisional Sum of Kenya Shillings Eight Hundred Thousand (Kshs. 800,000.00) only forseptic tank and drainage works Installations.		SUM		800,000.00
	Landscaping works				
B	Provide a provisional Sum of Kenya Shillings One Million, Five Hundred Thousand (Kshs. 1,500,000.00) only Landscaping works.		SUM		1,500,000.00
	Mechanical works Installations				
C	Provide a provisional Sum of Kenya Shillings Three Million, Five Hundred Thousand (Kshs. 3,500,000.00) only for Mechanical works.		SUM		3,500,000.00
	Management and contract adminstration				
D	Provide a provisional Sum of Kenya Shillings Five Hundred Thousand (Kshs. 500,000.00) only for contract administration.		SUM		500,000.00
	Contingency				
E	Allow for Contigency Sum of Kenya Shillings Six Million (Kshs. 6,000,000.00) only.		SUM		6,000,000.00
	TOTAL FOR P.C. AND PROVISIONAL SUMS CARRIED TO GRAND SUMMARY				**12,300,000.0**
	PCPS/1				

GRAND SUMMARY

BILL NO	DESCRIPTION	PAGE	CONTRACTOR SHS. CTS.	OFFICIAL SHS. CTS.
	PROPOSED CONSTRUCTION OF THE DEPUTY GOVERNOR'S OFFICIAL RESIDENCE			
	GRAND SUMMARY			
1	**Particular Preliminaries**			
2	**General Preliminaries**			
3	**Trade Preambles and Pricing Notes**			
4	**Builder's Works Summary :**			
	• Main House			
	• DSQ Block			
	• Boundary Wall			
	• Parking and drive ways			
	• Electrical works			
	• P. C. and Provisional Sums			12,300,000.00
	TOTAL FOR BUILDER'S WORKS CARRIED TO FORM OF TENDER [VAT INCLUSIVE]			