

**BILLS OF QUANTITIES**  
**FOR**  
**THE PROPOSED ADMINISTRATION BLOCK**  
**FOR**  
**FOR KOITALEL SAMOEI UNIVERSITY COLLEGE**  
**IN**  
**NANDI HILLS,**  
**WITHIN**  
**NANDI COUNTY**

**UNPRICED BILLS OF QUANTITIES**  
**FOR**  
**KOITAEI SAMOEI UNIVERSITY**

**FEBRUARY 2020**

INDEX AND SIGNATURE PAGE

MEASURED WORKS

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BILLS OF QUANTITIES

FOR

PROPOSED ADMINISTRATION BLOCK

FOR

KOITALEL SAMOEI UNIVERSITY COLLEGE

IN

NANDI COUNTY

Prepared By: University of Nairobi  
P.O. Box 30197 – 00100,  
NAIROBI.

Feb-20

The Contract for the above mentioned works, entered into on the .....day  
of.....20---- by the undersigned parties refers to these Bills of Quantities comprising 182 pages  
numbered 'Index', Signature Page (2 Pgs), GP/1 - GP/16, PP/1-PP/7, 2/1 – 2/Summary, 3/1 - 3/Summary, 4/1-  
4/Summary, 5/1, 6/1-6/2, 7/1-7/7, GS, A/1, B/1- B/23, C/1-C/29, D/1-D/4, E/1-E/2 inclusive, which shall be  
read and construed as part of the said Contract.

.....  
EMPLOYER

.....  
CONTRACTOR

Date: .....

Date: .....

SPECIAL NOTE

The Contractor is required to check the numbers of the pages of these Bills of Quantities and should he find  
any missing or in duplicate or the figures indistinct he must inform the Quantity Surveyor at once and have the  
same rectified.

Should the Contractor be in doubt about the precise meaning of any items or figures for any reason whatsoever  
he must inform the Quantity Surveyor in order that the correct meaning may be decided before the date for  
submission of tenders.

No liabilities will be admitted nor claim allowed in respect of errors in the Contractor's tender due to mistakes  
in the Bills of Quantities which should have been rectified in the manner described above.

SIGNATURE PAGE

ITEM No.	DESCRIPTION	AMOUNT
	<p style="text-align: center;"><b><u>GENERAL PRELIMINARIES</u></b></p> <p><b>A. PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES</b></p> <p>The contractor is advised to read and understand all preliminary items. Prices SHALL BE INSERTED against items of preliminaries. The Contractor shall be deemed to have included in their prices for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract</p> <p><b>B. DEFINITIONS OF TERMS</b></p> <p>The terms, phrases and abbreviations shall be deemed to have the following meanings wherever used hereinafter and in all Contract documents.</p> <p><u>'Contractor'</u> shall mean the person or persons, partnership, firm or company, whose tender for this work has been accepted, and who has or have, signed this Contract and shall include his or their heirs, executors, administrators, assigns, successors and duly appointed representatives.</p> <p><u>'Works'</u> shall mean all or any portion of the work, 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 may be on the site or not.</p> <p><u>'Approved'</u> shall mean approved by the Architect at his absolute discretion.</p> <p><u>'Directed'</u> shall mean directed by the Architect at his absolute discretion.</p> <p><u>'Selected'</u> shall mean selected by the Architect at his absolute discretion.</p> <p><u>'m3'</u> shall mean cubic metre.</p> <p><u>'m2'</u> shall mean square metre.</p> <p><u>'m'</u> shall mean linear metre.</p> <p><u>'mm'</u> shall mean linear millimetre.</p> <p><u>'Kg.'</u> shall mean Kilogramme</p> <p><u>'No.'</u> shall mean Number</p> <p><u>'Prs.'</u> shall mean Pairs,</p> <p><u>'B.S.'</u> shall mean the current British Standard Specification published by the British Standards Institution, 2 Park Street, London, W.1., England.</p> <p><u>'K.S.'</u> shall mean the current Kenya Standard Specification published by the Kenya Bureau of Standards.</p> <p>As described' shall mean as described in the 'Descriptions of Materials and Workmanship' contained in the Appendices to these Bills of Quantities.</p>	
	<b><i>Carried to Collection</i></b>	

ITEM No.	DESCRIPTION	AMOUNT
	<p>As before' shall mean in all respects as earlier described in the same or a previous Bill.</p> <p>Do.' shall mean the whole of the preceding description except as qualified in the description in which it occurs. Where it occurs in descriptions of succeeding 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 appropriate brackets.</p> <p>Fix Only' shall mean take delivery on site (unless otherwise stated), unload, where necessary transport within site compound, store, unpack, check contents against orders and packing lists, assemble as necessary, distribute to position, hoist and fix only.</p> <p><b>A. GROUPED SIZES</b></p> <p>Girths, depths or sizes grouped together in the Bills of Quantities item descriptions by means of hyphenated upper and lower limits shall be interpreted as 'exceeding' the lower limit and 'not exceeding' the upper limit.</p> <p><b>B. ACCESS TO SITE</b></p> <p>Means of access to the site shall be agreed with the Architect prior to the commencement of work and the Contractor must allow here for all requirements for the transport of all materials, plant and the workmen necessary for the complete execution of the works, removing the same at completion and for making good and reinstating to the entire satisfaction of the Architect all works or services disturbed at the completion of the Contract. The Contractor must also ensure that existing city roads and pedestrian walkways are clean and make good all damage to the same to the satisfaction of the Architect and Local Authority.</p> <p><b>C. AREA TO BE OCCUPIED BY THE CONTRACTOR</b></p> <p>The areas to be occupied by the Contractor for use as storage or for the erection of workshops etc. shall be defined on the site by the Architect and the Contractor must confine his activities to the areas so marked and must ensure that his own workmen do not trespass on the adjoining property or cause inconvenience to its occupiers.</p> <p><b>D. EXISTING PROPERTY</b></p> <p>The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services, and he will be held responsible for and shall make good all such damage arising at his own expense to the satisfaction of the</p>	
	<i>Carried to Collection</i>	

ITEM No.	DESCRIPTION	AMOUNT
A.	<p><b>WORKS, DRAWINGS ETC.</b></p> <p>(i) The Contractor shall at his own risk and cost execute and perform the works described in the Conditions of Contract, Specifications and Bills of Quantities, and detailed in the drawings provided and supplied to the Contractor for the purpose of the works and completely finish the said works in a good and workmanlike manner with the best materials and workmanship and with the utmost expedition.</p> <p>(ii) The Contractor will be deemed to have examined the drawings before tendering and to have satisfied himself regarding their details and regarding the nature and extent of the works and the methods of construction involved. No claims arising out of misapprehension in these respects will be allowed. Main drawings may be seen by appointment at the offices of the Architect during normal working hours.</p> <p>(iii) The Contractor shall satisfy himself as to correctness of all drawings and measurements. If the Contractor finds any discrepancy in the drawings or between the drawings and the Bills of Quantities he shall immediately refer the same to the Architect who will decide which shall be followed. Figured dimensions shall be taken in preference to the scale mentioned on or attached to any drawings. Details shown on drawings shall be taken in preference to items and quantities in the Bills of Quantities.</p> <p>(iv) Two copies of all drawings and of the Bills of Quantities will be furnished free of cost to the successful Contractor for his own use.</p> <p>The Architect will furnish to the Contractor for the use of the Contractor within a reasonable time after the receipt by him of a written request for the same, any details which, in the opinion of the Architect are necessary for the execution of any part of the work, such request to be made only within a reasonable time before it is necessary to execute such work in order to fulfill the Contract. One copy of the drawings, details and Bills of Quantities shall be kept on the works until the completion thereof and the Architect shall at all reasonable times have access to the same. All copies of drawings and details shall be returned by the Contractor on the completion of the Contract.</p> <p>On completion of the Contract works, the Contractor shall furnish to the Employer, through the Architect, one set of linen negatives and two sets of paper prints of 'as built' drawings, operating instructions and manuals for equipment as may be required.</p> <p><b>SHOP DRAWINGS</b></p> <p>The Contractor shall furnish at his own cost all shop drawings that may be called for by the Architect for his approval or rejection and any further shop drawings in the case of rejection until such shop drawings are approved by the Architect.</p> <p><b>MAINTENANCE MANUALS</b></p> <p>At the start of the defects liability period, the Contractor shall hand over to the Engineer three full sets of maintenance and operations manuals for the plant and equipment as installed. These manuals shall be fully illustrated and written in English.</p>	
	<i>Carried to Collection</i>	

ITEM No.	DESCRIPTION	AMOUNT
A.	<p><b>NOMINATED SUPPLIERS AND SUB-CONTRACTORS MATERIALS</b> Nominated Sub Contract and Nominated Supply Agreements will be finalised as soon as possible after the Contract has been signed. The Contractor will be deemed to have taken account of this in his allowance for the provision of space for storage of Nominated Sub Contractors' materials and for the provision of storage facilities on or off site for Nominated Suppliers' materials until required.</p> <p><b>B. VALUATION OF LUMP SUM PRELIMINARY COSTS</b> Lump sums entered in these Bills of Quantities against any item of Preliminaries and General Conditions will be included in appropriate valuations according to reasonable assessment of actual costs involved in the item. Any balance between this assessment and the actual sum entered in the Bills of Quantities will be included in subsequent valuations as monthly instalments over the balance of the Contract Period.</p> <p><b>C. PAYMENT FOR MATERIALS ON SITE</b> 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 the Contractor, Nominated Sub Contractors and Nominated Suppliers.</p> <p><b>D. WATER FOR THE WORKS</b> The Contractor shall allow for providing all temporary water supplies and electricity required for the works, including Sub Contract works, together with all necessary storage tanks, meters and distribution systems for the same and must allow for bearing all expenses incurred and paying for all water consumed without charge to any Sub Contractor. Expenses in connection with Nominated Sub Contractors should be allowed for in the attendance items under the relevant P.C. Sums</p> <p><b>E. SANITATION OF THE WORKS</b> The sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or local authorities, labour department and the Architect.</p> <p><b>F. NATIONAL INSURANCE AND PENSIONS</b> The Contractor shall allow for making any National Hospital Insurance Fund or National Social Security Fund payments due in respect of workpeople.</p> <p><b>G. EXISTING SERVICES</b> Prior to commencement of any work the Contractor is to ascertain from the relevant authorities the exact position, depth and level of all existing electric cables, water pipes or other services in the area and he shall make whatever provisions may be required by 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 their satisfaction at the Contractor's expense.</p>	
	<i>Carried to Collection</i>	

ITEM No.	DESCRIPTION	AMOUNT
<p><b>A.</b></p>	<p><b>STORAGE OF MATERIALS</b></p> <p>The Contractor shall provide at his own risk and cost where directed on the site weatherproof 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.</p> <p>The Contractor shall be liable for the cost of any storage accommodation provided especially for his use by the Client.</p> <p>The areas of site which may be occupied by the Sub-Contractor will be within the limits of that allocated to the Contractor and the Sub-Contractor must not occupy any ground beyond the area so indicated, except for the execution of works under this Sub-Contract.</p> <p>No materials shall be stored or stacked on suspended slabs without the prior approval of the Architect.</p> <p><b>B. RESTRICTED SITE</b></p> <p>The Contractor is to note that the area of the site is restricted and limited and that the existing building and adjacent areas will remain in full use during the execution of the works. The Contractor must allow in his tender for all inconvenience and disruption resulting from this requirement as well as for the security and safety of the existing and adjacent premises and all their staff and public.</p> <p><b>C. GOVERNMENT ORDINANCES AND REGULATIONS</b></p> <p>The Contractor's attention is called to the provisions of the Factory Ordinance 1950 and allowance must be made in his tender for compliance therewith insofar as they are applicable.</p> <p>The Contractor must also make himself acquainted with current ordinances and any Government regulations regarding the movement, housing, security and control of labour, labour camps, passes for transport etc.</p> <p>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 work, supply and control of labour, etc. and allow accordingly in his tender. No claim for want of knowledge in this connection will be entertained.</p>	
	<i>Carried to Collection</i>	



ITEM No.	DESCRIPTION	AMOUNT
A.	<p><b>SUPERVISION AND WORKING HOURS</b></p> <p>The works shall be executed under the direction and to the entire satisfaction in all respects of the Architect who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor or other places where work is being prepared for the building.</p> <p>The working hours shall be those generally worked by good employers in the Building and Civil Engineering Trade in Kenya. No work requiring consultant supervision shall be carried out at night or on gazetted holidays unless the Architect shall so direct.</p> <p><b>B. SETTING OUT</b></p> <p>The Contractor shall set out the works in accordance with the dimensions and levels shown on the drawings and shall be responsible for the correctness of all dimensions and levels so set out by him and will be required to amend all errors arising from inaccurate setting out at his own cost and expense. In the event of any error or discrepancy in the dimensions or levels marked on the drawings being discovered, such errors or discrepancies must be reported by the Contractor to the Architect for his immediate consideration.</p> <p>No work shall be commenced by the Contractor until he has received written instructions from the Architect to adjust such discrepancies which may be proved. Upon receipt of such instructions the Contractor shall thereupon be responsible for the accurate setting out of work, giving effect to the adjustments necessary to comply with such instructions, and no claim for extra expense or relief from the responsibilities of the Contract, based on any discrepancy or error in the dimensions or levels shown on the drawings, may be made thereafter.</p> <p><b>C. SAMPLES</b></p> <p>The Contractor shall furnish at his own cost any samples of materials or workmanship that may be called for by the Architect for his approval or rejection and any further samples in the case of rejection until such samples are approved by the Architect and the Architect may reject any materials or workmanship not in his opinion up to the approved samples.</p> <p>The Architect shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Architect and not at the expense of the Contractor unless the materials fail to pass the test or are in the opinion of the Architect not in accordance with the Specification, in either case the Contractor shall pay for testing in accordance with the current scale of testing charges laid down by the Ministry of Works.</p> <p>The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the Architect.</p> <p>The Contractor shall allow in his tender for such samples and tests.</p>	
	<i>Carried to Collection</i>	

ITEM No.	DESCRIPTION	AMOUNT
A.	<p><b>MATERIALS, TOOLS, PLANT ETC.</b></p> <p>All materials and workmanship used in the execution of the works shall be of the best quality and description unless otherwise described. Any materials for the works condemned by the Architect shall immediately be removed from the site at the Contractor's expense.</p> <p>The Contractor shall provide at his own risk and cost all materials, scaffolding, tools, plant, transport and workmen required for the works, except in so far as may be stated otherwise herein.</p> <p>Normal scaffolding will be provided by the Contractor but the Sub-Contractor is to allow for providing any special internal or external scaffolds, trestles, etc., that he may require. Normal scaffolding is scaffolding erected by the Contractor for his own use and which remains standing on site at the time the Sub-Contract works are executed.</p> <p>The Contractor shall order all materials 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.</p> <p>If the Contractor shall fail to carry out any such order, as by the preceding paragraph provided, within such reasonable time as may be specified in the order, the materials or work so affected may be made good by the Contractor in such manner as the Architect may direct, in which case the cost thereby incurred shall, upon the written certificate of the Architect be recoverable by the Contractor as a liquidated demand in money.</p> <p>Any defect which may appear, either of materials or of workmanship, during the period of maintenance provided by the Contract, shall be made good by the Contractor at his own expense, as and when directed.</p> <p><b>B. SAFETY, HEALTH AND WELFARE OF WORKPEOPLE</b></p> <p>The Contractor shall allow for providing for the safety, health and welfare of workpeople and for complying with any relevant Ordinances, Regulations or Union Agreement.</p> <p>The Contractor shall provide all protective or any other special clothing or equipment for his employees that may be necessary. The contractor is notified that in certain areas the workers will be required to put on special protective wear viz on the head, body and feet. This shall include, inter-alia, safety helmets, gloves, goggles, earmuffs, safety, overalls, etc., according to the type of work. The Contractor shall ensure that safety helmets are worn by all staff at all times. The Contractor shall allow for providing clean white overalls, safety boots and helmets to the Client's representatives and Consultants whenever they visit the site.</p>	
	<i>Carried to Collection</i>	

ITEM No.	DESCRIPTION	AMOUNT
	<p>The Contractor shall comply at all times with the requirements of the Factory Act (Cap 514), Building Construction Rules, Supplement 18, Legal Notice No.40 dated April, 1984 and ensure that the safety of his workpeople and authorised visitors to the Site is protected at all times. In particular there shall be proper provision of planked footways and guard-rails to scaffolding, etc., protection against falling materials and tools and the Site shall be tidy and clear of dangerous rubbish.</p> <p>The Contractor shall appoint a safety officer as required by the Factory Act and notify the Factory Inspector of his name. the safety Officer shall be on Site at all times and all directions given by the ARCHITECT to the Safety Officer shall be deemed to be Architect's Instructions, and shall be complied with promptly without additional cost to the contract.</p> <p>The ARCHITECT shall be empowered to suspend work on the Site should he consider these conditions are not being observed, and no claim arising from such suspension will be allowed</p> <p><b>A. FORM OF CONTRACT</b></p> <p>The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for Procurement of Building &amp; Associated Civil Engineering Works (2006 Edition) included herein The Conditions of Contract are also included herein</p> <p><b>B. CONDITIONS OF CONTRACT</b></p> <p>These are as set out in these tender documents. Particulars of insertions to be made in the Appendix to the Contract Agreement will be found in the Particular Preliminaries part of these Bills of Quantities</p> <p><b>C. HOLIDAYS AND TRANSPORT FOR WORK PEOPLE</b></p> <p>The Contractor shall allow for providing holidays and transport for workpeople and for complying with any relevant Ordinances, Regulations or Union Agreement.</p> <p><b>D. ALTERATIONS TO BILLS, PRICING, ETC.</b></p> <p>Any unauthorised 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.</p> <p>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 items if these have not been priced against the respective items.</p> <p>All items of measured work shall be priced in detail and tenders containing lump sums to cover any items of Preliminaries shall be likewise broken down if so required.</p> <p><b>E. PREAMBLE CLAUSES</b></p> <p>The preamble clauses or headings to any Bill, Section, Sub-Section or trades are to apply equally to all other Bills, Sections, Sub-Sections or trades.</p>	
	<i>Carried to Collection</i>	

ITEM No.	DESCRIPTION	AMOUNT
<p><b>A. RATES AND PRICES</b></p> <p>The Contractor shall provide a detailed breakdown, including, legitimate invoices or quotations of any are contained in the contract document, when required by the Architect to do so. Such breakdown will be for the purposes of this contract and shall be not be</p> <p>The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.</p> <p><b>B. PROVISIONAL SUMS</b></p> <p>The term "Provisional sum", "Wherever used in these Bills of Quantities shall have the meaning stated in section A Item A7 (1) of the Standard Method of Measurement. Such sums are net and no addition shall be made to them for profit.</p> <p><b>C. PRIME COST (OR P.C.) SUMS</b></p> <p>The term 'prime cost sum of P.C.'. Wherever used in these Bills of Quantities shall have the meaning stated ins Section A Item A7 (ii) of the Standard Method of Measurements.</p> <p>Persons or firms nominated by the Architect to execute work or to provide and fix materials or goods are described herein as nominated sub-contractors Persons or firms nominated to supply goods or materials are described as Nominated Suppliers.</p> <p><b>D. CONSTRUCTION PROGRAMME</b></p> <p>The Contractor shall provide within two weeks of the date of the letter of Acceptance and in agreement with the Architect a construction programme for the whole of the works including the works of Sub contractors, one copy to be handed to Architect and a further</p> <p>The construction programme shall be up dated regularly to show actual progress on the site and should the Architect consider it necessary, the contractor shall prepare a revised construction programme for the whole of the works and submit it to the Architect for his approval. The preparation and updating of the construction program shall be at the expenses of the Contractor and the Contract Sum is deemed to include for all such costs.</p> <p><b>E. ADJUSTMENT OF PROVISIONAL AND PRIME COST SUMS</b></p> <p>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 works shall be valued as described for variations in clause30 of the Contract Agreement or any articles, for the work to be supplied by a nominated supplier, the value of such work or articles shall be treated as a P.C. Sum, and the profit and attendance comparable to that contained in the priced Bill of Quantities for similar items added.</p> <p><b>F. DOMESTIC SUB-CONTRACTORS</b></p> <p>Should the Contractor wish to sub-let any portion of the works in accordance with Clause 7 of the Conditions of contract, then he must submit full details of the work to sub-let and the firms proposed, to the Architect well in advance of the programmed state of that portion of the work. No claims shall be accepted due to delays caused to the work by the late submission of such details.</p>		
	<i>Carried to Collection</i>	

ITEM No.	DESCRIPTION	AMOUNT
<p><b>A. DIRECT CONTRACTS</b></p> <p>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 covered by a P.C. Sum in the Bills of Quantities and to pay for the same direct.</p> <p><b>B. ATTENDANCE UPON OTHER TRADESMEN</b></p> <p>The contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other 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 however not be required to erect any special scaffolding for them.</p> <p>The Contractor shall perform such cutting away for and making good after the work of us tradesmen or persons as may be ordered by the Architect and executed at rates provided in these Bills.</p> <p><b>C. METHOD OF MEASUREMENT</b></p> <p>These Bills of Quantities have been prepared in accordance with the principles of the 'Standard Method of Measurement of Building Works for the Republic of Kenya, second edition, metric, dated January, 1987, unless otherwise expressly stated.</p> <p>These Bills of Quantities shall under no circumstances be used for the purpose of ordering materials.</p> <p><b>D. TIME FOR COMPLETION AND LIQUIDATED DAMAGES</b></p> <p>The Contractor will be required to complete the Contract work by such a date as will enable the Contractor to fulfill his obligations under the Contract, failing which the Contractor will become liable for the liquidated and ascertained damages for which the Contractor is responsible under the Contract or such part thereof as may reasonably be held to be due to the default of the Contractor.</p> <p>It is the responsibility of the Contractor to ensure that all materials, fittings, equipment and items to be supplied are ordered and delivered to the site ready for installation at such times as to cause no hold up in the programme of work.</p> <p><b>E. PROGRAMME AND PROGRESS</b></p> <p>The Contrator shall liaise with the Nominated sub-Contractors and submit for the approval of the Architect, a programme and progress chart showing the time and order, within the overall time for completion for the whole of the works including the works of Nominated Sub-Contractors ; one copy to be handed to the Architect and a further copy to be retained on Site. Progress to be recorded and chart to be amended as necessary as the work</p> <p><b>F. VALUATION OF LUMP SUM PRELIMINARY COSTS</b></p> <p>Lump sums entered in these Bills of Quantities against any item of Preliminaries and General Conditions will be included in appropriate valuations according to reasonable assessment of actual costs involved in the item. Any balance between this assessment and the actual sum entered in the Bills of Quantities will be included in subsequent valuations as monthly instalments over the balance of the Contract Period.</p>		
	<i>Carried to Collection</i>	

ITEM No.	DESCRIPTION	AMOUNT
<p><b>A. HOISTING</b></p> <p>The Contractor is referred to the drawings and to the items 'Main Contract Works' herein for a general description of the Contract. Throughout these Bills of Quantities generally no mention is made of heights for hoisting. All prices must include for hoisting and fixing at any level within the limits shown on the drawings or included in the general description of works. Where a particular level is specified the Contractor shall price accordingly.</p> <p><b>B. CASING UP AND PROTECTING</b></p> <p>The Contractor shall be responsible for casing up or otherwise protecting to the satisfaction of the Architect all parts of the Contract works liable to injury and for removing such protection and making good at completion.</p> <p><b>C. WORKS TO BE DELIVERED UP CLEAN</b></p> <p>On completion of the works, the site and the works shall be cleared of all plant, scaffolding, rubbish and unused materials and shall be delivered up in clean and perfect condition in every respect to the satisfaction of the Architect.</p> <p><b>D. MATERIALS ARISING FROM EXCAVATIONS</b></p> <p>Materials of any kind obtained from the excavations shall be the property of the Government. 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 written 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.</p> <p><b>E. PROTECTION OF THE WORKS</b></p> <p>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 done at completion cost of the Employer.</p> <p><b>F. FIRM PRICE TENDER</b></p> <p>The Contractor is required to submit a firm price tender and must include in his prices all legally demandable fees, rates or taxes including VAT (currently rated at 16%), the regulation of Wages (Building and Construction Industry) Order 1973, and for any increases in the cost of labour and/or materials during the currency of the Contract. Clause on fluctuations in the Contract Conditions shall be deleted. VAT fluctuations, however, shall be allowed.</p> <p><b>G. CLAIMS FOR EXTRAS</b></p> <p>The Contractor shall submit to the Architect claims for any work or circumstances on account of which he may consider that he is entitled to extra payment within seven days from the time of the commencement of such work or occurrence of such circumstances. Any such claim must be in writing and accompanied by full particulars and must state under which provision of the Contract it is claimed that payment shall be made.</p>		
	<i>Carried to Collection</i>	

ITEM No.	DESCRIPTION	AMOUNT
<p><b>A. TRADE NAMES</b></p> <p>Where trade names or manufacturers' catalogue numbers are mentioned in these Bills of Quantities the reference is intended as a guide to the type of article or quality of materials required. The Contractor may use any article or material equal in type or quality to those therein described subject to the prior approval of the Architect and at his absolute discretion. The onus of proof as to equivalent quality will rest with the Contractor, whose tender will be deemed to include for the makes described hereafter.</p> <p><b>B. SITE OFFICE</b></p> <p>The Contractor shall provide, erect and maintain where directed on site and afterwards dismantle the site office of the type noted in the Particular Preliminaries, complete with Furniture. 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 lock-up type water or bucket closet for the sole use of the Architect including making temporary connections to the drain where applicable to the satisfaction of Government and Medical Officer of Health and shall provide services of cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition from commencement to the completion of the works and dismantle and make good disturbed surfaces. The office and closet shall be completed before the Contractor is permitted to commence the works, failure to which liquidated damages/penalty of Kshs.10,000.00 per day from commencement date will apply for non-completion.</p> <p>The site office shall be equipped with sufficient furniture to permit the Architect to hold site meetings in it, and for the Clerk of Works and any other site staff to operate efficiently.</p> <p>The Contractor shall pay for all charges for electricity and water bills during construction and maintenance period. The Contractor shall also allow for providing the services of a cleaner for keeping both office and the closet in a clean and sanitary condition from commencement to the completion of the works.</p> <p><b>C. HAND OVER</b></p> <p>The Contract works shall be considered complete and the maintenance and defects liability period shall commence only when the Contract works and supporting services have been tested, commissioned and operated to the satisfaction of the Architect and officially approved and accepted by the Employer, provided always that the handing over of the Contract works shall be coincident with the handing over of the Contract works.</p>		
	<i>Carried to Collection</i>	

ITEM No.	DESCRIPTION	AMOUNT
A.	<p><b>TESTING</b></p> <p>The Contractor shall allow for all testing of material and installations required by these Specifications and he shall be responsible for all expenses incurred in completing such tests, including costs of materials and labour, equipment, transport and all other costs.</p> <p>Concrete test cubes, i.e. per set of four as described, including testing fee,labour and materials, making moulds, transport and handling, etc. Successful tests only (PROVISIONAL): Sets of four: No. 200 @ Shs. .... (Tenderer must insert rate and extend)</p> <p>The Contractor is to organise with the testing laboratory that copies of the Test Cube Reports are forwarded direct to the Structural Engineer and Quantity Surveyor. The accurate record of all test cubes taken and crushed must be kept on site and the Contractor will only be reimbursed for successful tests upon production of laboratory certificates. Note: The price per set inserted by the Tenderer is to include for making of the four cubes, curing, transporting and handling and crushing of one, two, three or four cubes in order to obtain a satisfactory results.</p> <p>Other Material Tests The Contractor shall allow for providing samples of other materials such as reinforcement bars, building stone, sand concrete blocks, hardcore, etc, that may be requested by the Architect for testing. He shall allow for the delivery of the materials to the testing Laboratory(ies), pay for the testing and any other costs that may be necessary and arrange for test certificates to be sent directly to the Architect by the testing Laboratory. under no circumstances will the Contractor be paid directly for such tests if he does not allow for the same against this item here.</p> <p><b>C. APPROVAL OF STAFF</b> The Employer and Contractor reserve the right to approve employment of senior staff of the Sub-Contractor.</p> <p><b>D. FOOD HANDLING CERTIFICATE</b> The contractor shall allow for provision of food handling certificate to all his workers and personnel, lack of which, they will not be allowed to enter the site. This can be obtained from the relevant county authorities.</p> <p><b>D. BLASTING OPERATIONS</b> Blasting will only be allowed with the express permission of the Architect in writing. All blasting operations shall be carried out at the 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</p>	
	<i>Carried to Collection</i>	



ITEM No.	DESCRIPTION	AMOUNT
<p><b>A. MATERIALS ON SITE</b></p> <p><b>B. POLICE REGULATIONS</b></p> <p><b>C. CROSSINGS AND TEMPORARY ROADS</b></p> <p><b>D. HOARDING</b></p> <p><b>E. SCAFFOLDING</b></p> <p><b>F. MATERIALS, TOOLS, PLANT AND SCAFFOLDING</b></p>	<p>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 includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.</p> <p>The Contractor shall allow for complying with any relevant police regulations.</p> <p>The Contractor must allow for providing, forming and maintaining necessary crossings on to the site and temporary roads as may be required by the Architect and removing same at completion and making good damaged or disturbed surfaces as directed by and to the approval of the Architect.</p> <p>The Contractor shall allow for providing and clearing away on completion such hoarding, fencing, gates etc. as may be required for the security of the site(s), and as instructed by the Architect to prevent access to the site(s) by the public. The exact location and type of these items are to be agreed with the Architect and negotiated with the local Authority by the Contractor who will also be responsible for paying any fees or taxes to the Local Authority in respect of the hoarding, fencing or gates and providing any drawings necessary for</p> <p>The Contractor shall allow for thoroughly maintaining the hoarding and gates throughout the Contract and clearing away and making good disturbed ground on completion. All materials arising will remain the property of the Contractor and he should allow credit against this accordingly.</p> <p>The Contractor shall allow for providing, erecting and dismantling all general scaffolding required for the works. The Contractor must allow here or in his rates for providing all special scaffolding required by his Sub-Contractors, other than Nominated Sub-Contractors carrying out works for which P.C. Sums are included in these Bills.</p> <p>All materials and workmanship used in the execution of the Works shall be of the best quality and description unless otherwise described. Any materials for the work condemned by the Architect/Architect shall immediately be removed from the site at the Contractor's</p> <p>The Contractor shall be responsible for the provision of all materials, scaffolding, tools, plants, transport and workmen required for the Works except in so far as may be stated otherwise herein and shall allow for the provision of the foregoing except for such items specifically and only required for the use of Nominated Sub-contractors as described herein</p> <p>No timber used for scaffolding, formwork or similar purpose shall be used afterwards in the permanent works.</p>	
	<i>Carried to Collection</i>	

ITEM No.	DESCRIPTION	AMOUNT
<p><b>A. FAIR WAGES</b></p> <p>The Contractor shall pay rates of wages and observe hours and conditions of labour not less favourable than the minimum rates of remuneration and minimum conditions of employment applicable in the Country. The relevant notice must be posted up and kept posted upon the site where it can conveniently be read by the employees concerned.</p> <p>The Contractor shall comply with the Employment Act 2007 and the Building and Construction Industry Wages Council (KABCEC 2007) and is to be responsible for compliance by Sub-Contractors employed in the execution of the Contract. If required he shall notify the Architect/Architect of the names and addresses of all such sub-contractors.</p> <p>The Contractor shall be responsible for any extra costs for overtime working he considers will be necessary in order to complete the work within the contract period or time for completion apart from overtime working which may be authorised by the Programme.</p> <p><b>B. APPENDICES</b></p> <p>The Appendices to the Bills of Quantities shall be regarded for Contract purposes as part of the Bills and shall be read and construed with the appropriate sections of the Bills as if contained therein.</p> <p><b>C. CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</b></p> <p>The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Architect and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>		
	<i>Carried to Collection</i>	

ITEM No.	DESCRIPTION	AMOUNT
	<p style="text-align: center;"><u>COLLECTION</u></p> <p>Brought forward from page GP/1</p> <p>Brought forward from page GP/2</p> <p>Brought forward from page GP/3</p> <p>Brought forward from page GP/4</p> <p>Brought forward from page GP/5</p> <p>Brought forward from page GP/6</p> <p>Brought forward from page GP/7</p> <p>Brought forward from page GP/8</p> <p>Brought forward from page GP/9</p> <p>Brought forward from page GP/10</p> <p>Brought forward from page GP/11</p> <p>Brought forward from page GP/12</p> <p>Brought forward from page GP/13</p> <p>Brought forward from page GP/14</p> <p>Brought forward from page GP/15</p>	
	<b>TOTAL FOR GENERAL PRELIMINARIES CARRIED TO FINAL SUMMARY</b>	
	<p><u>GENERAL PRELIMINARIES</u> <u>COLLECTION</u></p>	

ITEM	DESCRIPTION	AMOUNT
	<b><u>PARTICULAR PRELIMINARIES</u></b>	
<b>A.</b>	<b>EMPLOYER</b>  The Employer is the <b>Koitaleel Samoei University College, P. O. Box -5, Mosoriot.</b> The term "Employer" and "Government" wherever used in the contract document shall be synonymous.	
<b>B.</b>	<b>ARCHITECT</b>  The term "Architect" shall be deemed to mean "University of Nairobi " as defined above whose address unless otherwise notified is University of Nairobi , P.O.Box 30197-00100, Nairobi.	
<b>C.</b>	<b>QUANTITY SURVEYOR</b>  The term "Quantity Surveyor" shall be deemed to mean "University of Nairobi " as defined above whose address unless otherwise notified is University of Nairobi Enterprises , P.O.Box 30197-00100, Nairobi.	
<b>D.</b>	<b>ELECTRICAL ENGINEER</b>  The term "Electrical Engineer" shall be deemed to mean "University of Nairobi " as defined above whose address unless otherwise notified is University of Nairobi Enterprises , P.O.Box 30197-00100, Nairobi.	
<b>E.</b>	<b>MECHANICAL ENGINEER</b>  The term "Mechanical Engineer" shall be deemed to mean "University of Nairobi " as defined above whose address unless otherwise notified is University of Nairobi Enterprises , P.O.Box 30197-00100, Nairobi.	
<b>F.</b>	<b>STRUCTURAL ENGINEER</b>  The term "Structural Engineer" shall be deemed to mean "University of Nairobi " as defined above whose address unless otherwise notified is University of Nairobi Enterprises , P.O.Box 30197-00100, Nairobi.	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	AMOUNT
<b>A.</b>	<p><b><u>NOTE-:RESPONSIBILITY</u></b></p> <p>The responsibility for the details designs and performance of the building is to be borne by the contractor. All designs, details and specifications shall be approved by the Architect before they can be used.</p>	
<b>B.</b>	<p><b>PRICING ITEMS OF PRELIMINARIES</b></p> <p>Prices <b>SHALL BE INSERTED</b> against items of “preliminaries” in the tenderer’s priced Bills of Quantities. The contractor is advised to read and understand all preliminary items.</p>	
<b>C.</b>	<p><b>SCOPE OF CONTRACT</b></p> <p>The works to be carried out comprises of erection and completion of Proposed Administration Block alongside External works and Associated Electro- Mechanical Works.</p> <p>Note However that due to budgetary constraints, the Contractor is notified of a possibility of scope reduction up to 70% of the value of the works during tender award. This should not be subject of any claim thereafter, and will be based on submitted tender prices.</p>	
<b>D.</b>	<p><b>DESCRIPTION OF THE WORKS</b></p> <p><b>Part I</b></p> <p>a) Erection and completion of a An administration block consisting of lower ground floor, ground floor, first floor and second floor all measuring an approximate gross floor area of 10146m<sup>2</sup></p> <p>b) External works including, boundary wall, driveway and parking, foul drainage, stormwater drainage, hard and soft landscaping, and other associated civil, electrical and mechanical works</p> <p>c) Associated electromechanical works such as electrical and plumbing installations related to the above works.</p>	
<b>E.</b>	<p><b>PHASING OF WORKS</b></p> <p>Due to budgetary limitations, the project will be divided into two phases as stated below. Contractor is requested to price with the following in mind.</p> <p><b>PHASE I</b></p> <p>a) Erection and completion of the Structure (Foundations, Walling, Roofing) together with the related preliminaries, mechanical, electrical and external works to be determined during implementation.</p> <p><b>PHASE II</b></p> <p>a) Finishing of the structure (Windows, Doors, All Finishes) together with the related preliminaries, mechanical, electrical and external works to be determined during implementation.</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	AMOUNT
<p><b>A. MEASUREMENTS</b></p> <p>In the event of any discrepancies arising between the Bills of Quantities and the actual works, the site measurements shall generally take precedence. However, such discrepancies between any contract documents shall immediately be referred to the Architect in accordance with Clause 22 of the Conditions of Contract. The discrepancies shall then be treated as a variation and be dealt with in accordance with Clause 22 of the said Conditions.</p> <p><b>C. LOCATION OF SITE</b></p> <p>The sites of the proposed works is Located in Nandi Hills, Nandi County. The Contractor is recommended to visit the site and will be deemed to have satisfied himself with regard to the conditions of the site, the risk of injury to the property adjacent to the site, or to the occupiers of such property, the conditions under which the works will have to be carried out, the supply of and conditions affecting labour and the facilities for obtaining the articles or materials referred to in these Bills of Quantities.</p> <p>No claim by the Contractor for additional payment will be allowed on the ground of any misunderstanding or misapprehension in respect of any such matter or otherwise. Any damage caused to existing accesses and roads must be made good as directed by and to the approval of the Architect. The Contractor must obtain the approval of the Architect/Architect in respect of the usage of any materials found on site.</p> <p><b>D. SIGNING OF THE TENDER DOCUMENTS</b></p> <p>The bidder shall append his / her signature and / or company 's rubberstamp on each and every page of tender document.</p> <p><b>E. DEMOLITIONS AND ALTERATIONS</b></p> <p>The Contractor is to allow for all temporary protection required during the works including ordinary and special dust screens, hoardings, barriers, warning signs, etc as directed by the Architect and as necessary for the adequate propping and protection of existing property, finishes, workmen employed on the site, employer's agents and the public. Any damage or loss incurred due to the insufficiency of such protection must be made good by the Contractor. All protective devices are to be removed on completion of the works and any necessary making good consequent upon this is to be executed to the satisfaction of the Architect</p> <p>The works shall be propped, strutted and supported as necessary before any alteration or demolition work commences. Prices shall include for all cleaning and preparatory work to structure and finishes and for making good to all finishes on completion whether or not specifically described.</p> <p>Unless described as set aside for re-use all arising debris and surplus materials shall be carefully removed from building and carterd away from site.</p> <p>The Contractor shall be entirely responsible for any breakage or damage which may occur to materials required for re-use during their removal unless it is certified by the Architect that such damage or breakage was inevitable as a result of the condition of the item concerned</p>		
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	AMOUNT
<b>A.</b>	<p><b>CLEARING AWAY</b></p> <p>The Contractor shall remove all temporary works, rubbish, debris and surplus materials from the site as they accumulate and upon completion of the works, remove and clear away all plant, equipment, rubbish, unused materials and stains and leave in a clean and tidy state to the reasonable satisfaction of the Architect.</p> <p>The whole of the works shall be delivered up clean, complete and in perfect condition in every respect to the satisfaction of the Architect.</p>	
<b>B.</b>	<p><b>CLAIMS</b></p> <p>It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and / or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such a claim or intent to claim notice to the Architect within the contract period. No claim shall be entertained upon the expiry of the said contract period.</p>	
<b>C.</b>	<p><b>PAYMENTS</b></p> <p>The Employer shall make payments to the Contractor by instalments in accordance with the terms of the Contract, but no payment shall become due under the Contract unless and until the Architect shall have included in a Certificate the amount in respect of the works executed under this Contract for which payment is due and until the Contractor has received payment from the Employer.</p> <p>The tenderer's attention is drawn to the fact that the GOVERNMENT DOES NOT MAKE ADVANCE PAYMENTS but pays for work done and materials delivered to sit: all in accordance with Clause 23 of the Conditions of Contract Agreement. In order to facilitate this, a list of the general component elements for the works is given at the summary page of these specifications and the tenderer is requested to break down his tender sum commensurate to the said elements</p> <p>The percentage of certified value retained shall be 10%. The limit of retention fund is as written in the Appendix to General Conditions of Contract.</p> <p>No Certificate so issued by the Architect shall of itself be considered conclusive evidence as to the sufficiency of any work or materials to which it relates so as to relieve the Contractor from his liability to execute the works in all respects in accordance with the terms and upon and subject to the Conditions of this Agreement, or from his liability to make good all defects as provided thereby.</p> <p>Failure by the contractor to pay the Sub-contractors as stipulated shall entitle the Employer to pay the relevant sums directly to the Sub-Contractor and deduct the same from any money due to or to become due to the Contractor.</p>	
<b>D.</b>	<p><b>PREVENTION OF ACCIDENT, DAMAGE OR LOSS</b></p> <p>The Contractor is notified that these works are to be carried out on a restricted site where the client is going on with other normal activities. The Contractor is thus instructed to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of activities being carried out by the Client. The Contractor shall allow in his rates any expense he deemed necessary by taking such care within the site.</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	AMOUNT
<b>A.</b>	<b>WORKING CONDITIONS</b> The Contractor shall allow in his rates for any interference that he may encounter in the course of the works for the Client may in some cases ask the Contractor not to proceed with the works until some activities within the site are completed, as the facility will be operating as usual during the course of the contract.	
<b>B.</b>	<b>SIGNBOARD</b> Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Architect.	
<b>C.</b>	<b>LABOUR CAMPS</b> The Contractor shall not be allowed to house labour on site. Allow for transporting workers to and from the site during the tenure of the contract.	
<b>D.</b>	<b>MATERIALS FROM DEMOLITIONS</b> Any materials arising from demolitions and not re-used shall become the property of the client. The Contractor shall allow in his rates the cost of disposing the demolished materials as directed.	
<b>E.</b>	<b>PRICING RATES</b> The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of	
<b>F.</b>	<b>SECURITY</b> From the beginning to the completion of the contract, the works, shall be under the entire care and control of the Contractor, who shall take all possible precautions to prevent any nuisance, inconvenience or injury to the works and holders or occupiers of surrounding properties and to the public generally, and shall at all times keep all paths and roads affected by the works in a safe and clear state, and shall use proper precautions to ensure the safety of all wheeled traffic and pedestrians. The Contractor shall allow for providing all watching, lighting, barriers, covering open trenches and protect the works, including Sub-Contract works, as may be necessary for the safety of the works and for the protection of the public and his own and Sub-Contractors' employees.	
<b>G.</b>	<b>URGENCY OF THE WORKS</b> The Contractor is notified that these “ <b>works are urgent</b> ” and should be completed within the period stated in these Particular Preliminaries (104 weeks) . The Contractor shall allow in his rates for any costs he/ she deems that he/she may incur by having to complete these works within the stipulated contract period.	
<b>H.</b>	<b>PAYMENT FOR MATERIALS ON SITE</b> All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Architect. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.	
	<i>Carried to collection</i>	



ITEM	DESCRIPTION	AMOUNT
<b>A.</b>	<b>EXISTING SERVICES</b> Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services.	
<b>B.</b>	<b>TENDER DOCUMENTS</b> Tender documents are as listed in Clause 2.1 of the Instruction to Tenderer's Page STD/9	
<b>C.</b>	<b>CONTRACT COMPLETION PERIOD</b> The contract completion period in accordance with condition 31 of the Conditions of contract must be adhered to. The 'Architect' shall strictly monitor the Contractors progress in relation to the progress chart and should it be found necessary the 'Architect' shall inform the Contractor in writing that his actual performance on site is not satisfactory .In all such cases the Contractor shall accelerate his rate of performance production and progress by all means such as additional labour,plant, e.t.c and working overtime all at his cost.	
<b>D.</b>	<b>PERFORMANCE BOND</b> The Contractor shall find and submit for the approval the name of one surety who shall be an established Bank and who will be willing to be bound to the Contractor in an amount equal to ten per cent (10%) of the Contract amount for the due performance of the Contract up to the date of completion as certified by the Architect and who will when and if called upon, sign a Bond to that effect, on the same day as the Contract Agreement is signed. In the event of the Surety named not being approved by the Architect, the Contractor shall furnish within seven days another Surety to the approval of the Architect. No payment on account for the works executed will be made to the contractor until he has submitted the Performance Bond to the Architect duly signed, sealed and stamped .	
<b>E.</b>	<b>INSURANCE</b> The Contractor shall insure as required in Conditions No 30 of the Conditions of Contract. 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 and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. The Contractor to provide the following insurances and securities as per the Conditions of the Contract.  Provide Bid Security. <i>As stated in Appendix to General Conditions of Contract</i> Provide Insurance for the Works <i>As stated in Appendix to General Conditions of Contract</i> Provide Insurance for Third Party <i>As stated in Appendix to General Conditions of Contract</i> Provide Insurance for Contractor's employees and loss or damage to equipment. <i>As stated in Appendix to General Conditions of Contract</i>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	AMOUNT
	<p>Provide insurance for personal injury or death insurance. For the contractors Employees this is Employer's liability/workmen's compensation. For other persons a minimum cover of Kshs. 10 million for any one accident or series of accidents arising from the same event (unlimited in aggregate).</p> <p>No payment on account of the work executed will be made to the Contractor until he has satisfied the Architect either by the production of an Insurance Policy or an Insurance Certificate that the foregoing provisions have been complied with in all respects.</p> <p>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 premium renewals for the Architect's inspection.</p> <p><b>A. DELIVERY OF TENDER</b></p> <p>Tenders and all documents in connection therewith, as specified above must be delivered in the addressed envelope which should be properly sealed and deposited at the offices as specified in the letter accompanying these documents or as indicated in the advertisement. Tenders will be opened at the time specified in the letter accompanying these Tender Documents or as indicated in the advertisement. Tenders delivered/received later than the above time will not be opened.</p> <p><b>B. VALUE ADDED TAX</b></p> <p>The Contractor's attention is drawn to the Legal Notice in the Finance Act part 3 Section 21(b) operative from 1<sup>st</sup> September, 1993 which requires payment of VAT on all contracts. The Contractor should therefore include allowance in his rates and prices for prices for VAT and any other Government taxes currently in force.</p> <p>The tenderer is advised that in accordance with Government public notice No. 35 &amp; 36 Dated 11<sup>th</sup> September 2003 operational from 1<sup>st</sup> October 2003, VAT will be deducted against the contract sum at the prevailing rate by the Employer and remitted directly to the Commissioner of VAT through all interim certificates. It should however be noted that this is not additional tax but a new mode of payment for VAT, any excess payment will be refundable once the Contractor has submitted monthly returns to the Commissioner of VAT who will do the refunds when satisfied that the VAT regulations have been complied with.</p> <p><b>NB:</b> The Contractor should therefore include the tax within the rates.</p> <p><b>C. EXISTING BUILDING MATERIALS</b></p> <p>NOTE: Any materials found usable for the works shall be given to the contractor on credit with the approval of the client</p>	
	<i>Carried to collection</i>	

ITEM	DESCRIPTION	AMOUNT
	<b>Architects Expenses</b>	
<b>A.</b>	Provide a provisional sum of Kenya Shillings One Million (Kshs 1,000,000.00) only for <b>Clerk of works</b> expenses  Allow for Contractor's profit and overheads (-----%)	
<b>B.</b>	Provide <b>mobile phone airtime</b> worth Kenya Shillings Two thousand (Kshs2,000.00) only per person per calender month for Thirteen (13No.) University of Nairobi Consultants for the duration of the contract period.  Allow for Contractor's profit and overheads (-----%)	
<b>C.</b>	Provide allowances worth Kenya Shillings Two Thousand (kshs. 2,000.00) only per consultant for site visits and inspections for Thirteen (13No.) Consultants Teamas lunch allowance for the duration of the contract period.  Allow for Contractor's profit and overheads (-----%)	
<b>D.</b>	Provide provisional <b>sum of</b> Kenya Shillings Five Hundered thousand (Kshs500,000.00) only for stationery  Allow for Contractor's profit and overheads (-----%)	
	<i>Carried to collection</i>	



ITEM	DESCRIPTION	AMOUNT
	<u><b>COLLECTION</b></u>  Brought forward from page PP/1  Brought forward from page PP/2  Brought forward from page PP/3  Brought forward from page PP/4  Brought forward from page PP/5  Brought forward from page PP/6  Brought forward from page PP/7  Brought forward from page PP/8  Brought forward from page PP/9	
	<b>TOTAL FOR PARTICULAR PRELIMINARIES CARRIED TO FINAL SUMMARY</b>	
	<u><b>PARTICULAR PRELIMINARIES COLLECTION</b></u>	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p align="center"><b><u>BILL NO. 2</u></b></p> <p align="center"><b><u>ADMINISTRATION BLOCK</u></b></p> <p align="center"><b><u>ELEMENT A</u></b></p> <p align="center"><b><u>EARTH WORKS</u></b> <b><u>(ALL PROVISIONAL)</u></b></p> <p><b><u>Earthworks</u></b></p> <p>A. Allow for planking and strutting to sides of excavations.</p> <p>B. Allow for keeping excavations free from all water.</p> <p>C. Excavate over site to remove vegetable top soil average 150mm deep.</p> <p>D. Excavate over site to reduce levels commencing at stripped site level not exceeding 1.50m deep</p> <p>E. Do but 1.50-3.0m deep</p> <p>F. Extra excavation for excavating in rock. (Irrespective of class and assumed at 50%)</p> <p>G. Remove surplus excavated material from site</p> <p><b><u>Selected imported material</u></b></p> <p>H. Filling in making up levels under floors, spread levelled, well rammed and consolidated in 150mm layers.</p> <p align="center"><b><u>(End of earthworks)</u></b></p> <p><b><u>Retaining Walls</u></b></p> <p>I. Excavate foundation trench commencing at existing ground level and not exceeding 1.50mm deep.</p> <p>J. Extra excavation for excavating in rock. (Irrespective of class and assumed at 50%)</p> <p><b><u>EARTHWORKS</u></b> <b><u>ADMINISTRATION BLOCK-LOWER GROUND</u></b></p>				
		Item	1		
		Item	1		
		m2	4,561		
		m3	4,561		
		m3	2,281		
		m3	3,421		
		m3	6,842		
		m3	2,737		
				Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Return fill in and ram selected excavated material around foundations.	m3	140		
B.	Selected hardcore filling behind retaining wall.	m3	60		
C.	Remove surplus excavated material from site.	m3	63		
D.	50mm Plain concrete (1:3:6) blinding under foundations.  <u>Vibrated reinforced concrete (class 25) waterproofed with and including 'Sika 1' or other equal and approved waterproofing compound in strict accordance with the manufacturer's instructions.</u>	m2	90		
E.	Retaining wall base.	m3	63		
F.	250mm Thick Wall  <u>Ribbed bar steel reinforcement to B.S. 4461 and K.S. ISO 6935-2:2007 Part 2</u>	m2	336		
G.	Assorted ribbed bar reinforcement sizes  <u>Marineply formwork</u>	Kg.	29400		
H.	Sides of retaining wall base.	m2	84		
I.	Sides of retaining wall .  <u>Note:- A ten year guarantee against defects will be required for the following tanking. It is the responsibility of the Contractor to obtain such guarantee from his Sub-contractor and submit it to the Architect on completion of the project.</u>  <u>Master Seal 501/502 or other equal and approved waterproofing to be executed by an approved Sub-Contractor.</u>	m2	672		
J.	Finish applied on retaining wall  (End of retaining wall)	m2	336		
				Shs.	
	<u>EARTHWORKS</u> <u>ADMINISTRATION BLOCK-LOWER GROUND</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p><u>ELEMENT A</u></p> <p><u>EARTH WORKS</u> <u>(ALL PROVISIONAL)</u></p> <p><u>RETAINING WALLS</u></p> <p><u>COLLECTION</u></p> <p>Brought forward from Page No. 2/1</p> <p>Brought forward from Page No. 2/2</p> <p><u>TOTAL AMOUNT OF SECTION A CARRIED TO SUMMARY</u> <u>AT END OF ELEMENT A</u></p>				
				Shs.	
	<p><u>EARTH WORKS</u> <u>ADMINISTRATION BLOCK- LOWER GROUND</u> <u>COLLECTION</u></p>				



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT B</u></p> <p style="text-align: center;"><u>SUB-STRUCTURE</u></p> <p style="text-align: center;"><u>(ALL PROVISIONAL)</u></p> <p style="text-align: center;"><u>SECTION A -LOWER GROUND FLOOR</u></p>				
A.	Excavate foundation trench commencing at reduced or stripped site level and not exceeding 1.50m deep.	m3	440		
B.	Excavate for column bases commencing at reduced level and not exceeding 1.50m deep.	m3	197		
C.	Extra excavation for excavating in rock. (Irrespective of class and assumed at 50%)	m3	319		
D.	Return fill in and ram selected excavated material around foundations.	m3	680		
E.	Remove surplus excavated material from site.	m3	275		
F.	Keep the excavation free from general water	ITEM	1		
G.	Planking and strutting	ITEM	1		
H.	<p><u>Selected hardcore</u></p> <p>300mm Bed well compacted and blinded with 50mm thick murram, quarry dust or sand finished to receive damp proof membrane (measured separately); well watered and compacted in 300 mm thick (max) layers</p> <p><u>Tender rate shall allow within the unit rate build up for treating vertical sides of foundation trenches, column base pits and around building plinth as per manufacturers printed instructions, quantity indicated herein is measured flat overall on net ground floor surface beds, provide ten year guarantee</u></p>	m2	1,270		
I.	Premise 200 SC Chemical anti termite treatment manufactured by Bayer Environmental Science and applied by an approved specialist under a ten year guarantee to surfaces of hardcore, etc.	m2	1,350		
J.	1000 Gauge approved polythene sheeting as damp proof membrane laid on blinded hardcore (measured separately) with weltd laps (measured net - no allowance made for laps).	m2	1,350		
	<p><u>SUB-STRUCTURE</u></p> <p><u>ADMINISTRATION BLOCK- LOWER GROUND</u></p>			Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>Plain concrete (1:3:6)</u>				
A.	50mm Blinding under strip footing	m2	292		
B.	Ditto <u>but</u> column bases.	m2	120		
	<u>Vibrated reinforced concrete (class 25) waterproofed with and including 'Sika 1' or other equal and approved waterproofing compound in strict accordance with the manufacturer's instructions.</u>				
C.	Foundations	m3	73		
D.	Column base.	m3	8		
E.	Column.	m3	6		
F.	150mm Bed laid on damp proof membrane (measured separately) in bays not exceeding 35 square metres including formwork to edge of bays .	m2	1,350		
	<u>Ribbed bar steel reinforcement to B.S. 4461 and K.S. ISO 6935-2:2007 Part 2</u>				
G.	Reinforcement in foundations	Kg.	13,140		
H.	Reinforcement in column bases	Kg.	1,440		
I.	Reinforcement in columns	Kg.	1,080		
J.	Reinforcement in 150mm slab	Kg.	36,450		
K.	Steel wire fabric mesh reinforcement to B.S. 4483 Ref: A 142 and K.S. 02-18:1976 in concrete bed (measured net, no allowance made for minimum 225mm laps) including tying and supporting as necessary.	m2	1,350		
	<u>Marineply formwork</u>				
L.	Sides of foundation footing	m2	177		
M.	Sides of column base.	m2	226		
N.	Sides of column.	m2	61		
O.	Edge of slab 75 - 150mm high.	m	220		
				Shs.	
	<u>SUB-STRUCTURE</u>				
	<u>ADMINISTRATION BLOCK- LOWER GROUND</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	No. 16 B.W.G. Hoop iron fixing clamp 25mm wide x 450mm girth once bent and tucked to inner face of formwork, one end cast into concrete and the other end afterwards straightened and built into joints of walling.	No.	1,015		
	<u>Approved local stone walling in cement mortar (1:3) including hoop iron reinforcement where required by the Engineer.</u>				
B.	200mm Load bearing (7 N/mm2) walling.	m2	531		
C.	Telvar 'W' or other equal and approved weed killer under walkway paving.	m2	170		
D.	50mm (Average) bed of sand spread and well compacted to falls, crossfalls and cambers to receive paving slabs (measured separately). (approx 1200mm wide)	m2	170		
E.	50mm Washed aggregate precast concrete (class 20) paving slabs size 600 x 600mm bedded, jointed and pointed in cement mortar (1:3).	m2	170		
				Shs.	
	<u>ELEMENT B</u>				
	<u>SUBSTRUCTURES</u> <u>(ALL PROVISIONAL)</u>				
	<u>COLLECTION</u>				
	Brought forward from Page No. 2/4				
	" " " " " 2/5				
	" " " " " 2/6				
	<u>TOTAL AMOUNT OF SECTION A CARRIED TO SUMMARY AT END OF ELEMENT B</u>			Shs.	
	<u>SUB-STRUCTURE</u> <u>ADMINISTRATION BLOCK-LOWER GROUND</u> <u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION B - GROUND FLOOR</u>				
A.	Excavate foundation trench commencing at reduced or stripped site level and not exceeding 1.50m deep.	m3	485		
B.	Excavate for column bases commencing at reduced level and not exceeding 1.50m deep.	m3	230		
C.	Excavate lift shaft bases commencing at reduced level and not exceeding 1.50m deep.	m3	30		
D.	Do. but 1.50 - 3.00m deep.	m3	40		
E.	Extra excavation for excavating in rock. (Irrespective of class and assumed at 50%)	m3	393		
F.	Return fill in and ram selected excavated material around foundations.	m3	861		
G.	Remove surplus excavated material from site.	m3	247		
H.	Keep the excavation free from general water	ITEM	1		
I.	Planking and strutting	ITEM	1		
	<u>Selected hardcore</u>				
J.	300mm Bed well compacted and blinded with 50mm thick murrum finished to receive damp proof membrane (measured separately).	m2	1,890		
K.	Approved insecticide treatment.	m2	1,930		
L.	1000 Gauge approved polythene sheeting as damp proof membrane laid on blinded hardcore (measured separately) with weltd laps (measured net - no allowance made for laps).	m2	1,930		
				Shs.	
	<u>SUB-STRUCTURE</u>				
	<u>ADMINISTRATION BLOCK-GROUND FLOOR</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>Plain concrete (1:3:6) as:</u>				
A.	50mm Blinding under strip footing	m2	147		
B.	Ditto but column bases.	m2	154		
C.	Ditto but lift shaft bases.	m2	20		
D.	Ditto but stair pad	m2	2		
	<u>Vibrated reinforced concrete (class 25)</u>				
	<u>Note: Rates to include expansion joint filler including all necessary formwork to the concrete works.</u>				
E.	Foundations	m3	37		
F.	Column base.	m3	139		
G.	Column.	m3	8		
H.	Lift shaft base	m3	40		
I.	Stair pad/toe	m3	2		
J.	300mm thick lift shaft walls	m2	36		
K.	150mm Bed laid on damp proof membrane (measured separately) in bays not exceeding 35 square metres including formwork to edge of bays .	m2	1,930		
	<u>Ribbed bar steel reinforcement to B.S. 4461 and K.S. ISO 6935-2:2007 Part 2</u>				
L.	Reinforcement in foundations	Kg.	5,550		
M.	Reinforcement in column bases	Kg.	20,850		
N.	Reinforcement in lift shaft base	Kg.	6,000		
O.	Reinforcement in columns	Kg.	1,200		
P.	Reinforcement in lift walls	Kg.	1,620		
				Shs.	
	<u>SUB-STRUCTURE</u>				
	<u>ADMINISTRATION BLOCK-GROUND FLOOR</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Reinforcement in stair pad	Kg.	200		
B.	Reinforcement in 150mm slab	Kg.	43,425		
C.	Steel wire fabric mesh reinforcement to B.S. 4483 Ref: A 142 and K.S. 02-18:1976 in concrete bed (measured net, no allowance made for minimum 225mm laps) including tying and supporting as necessary.	m2	1,930		
	<u>Marineply formwork</u>				
D.	Sides of foundation footing	m2	105		
E.	Sides of column base.	m2	558		
F.	Sides of column.	m2	79		
G.	Sides of lift shaft base.	m2	36		
H.	Sides of lift walls.	m2	54		
I.	Sides of toe	m2	4		
J.	Edge of slab 75 - 150mm high.	m	420		
K.	No. 16 B.W.G. Hoop iron fixing clamp 25mm wide x 450mm girth once bent and tucked to inner face of formwork, one end cast into concrete and the other end afterwards straightened and built into joints of walling.	No.	1,276		
	<u>Approved Natural local stone walling in cement and sand (1:3) mortar and including reinforcing with 20 x 3mm thick hoop iron in every alternate course</u>				
L.	200mm Load bearing (7 N/mm2) walling.	m2	315		
M.	Telvar 'W' or other equal and approved weed killer under walkway paving.	m2	160		
N.	50mm (Average) bed of sand spread and well compacted to falls, crossfalls and cambers to receive paving slabs (measured separately).	m2	160		
O.	50mm Washed aggregate precast concrete (class 20) paving slabs size 600 x 600mm bedded, jointed and pointed in cement mortar (1:3).	m2	160		
	<u>SUB-STRUCTURE</u>			Shs.	
	<u>ADMINISTRATION BLOCK-GROUND FLOOR</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p><u>ELEMENT B</u></p> <p><u>SUBSTRUCTURES</u> <u>(ALL PROVISIONAL)</u></p> <p><u>COLLECTION</u></p> <p>Brought forward from Page No. 2/7</p> <p>" " " " " 2/8</p> <p>" " " " " 2/9</p> <p><u>TOTAL AMOUNT OF SECTION B CARRIED TO SUMMARY</u> <u>AT END OF ELEMENT B</u></p> <p><u>SUB-STRUCTURE</u> <u>ADMINISTRATION BLOCK- GROUND FLOOR</u> <u>COLLECTION</u></p>				
				Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p><u>ELEMENT B</u></p> <p><u>SUB-STRUCTURE</u></p> <p><u>(ALL PROVISIONAL)</u></p> <p><u>COLLECTION</u></p> <p>Section A -Lower Ground Floor</p> <p>Section B - Ground Floor</p> <p><u>TOTAL AMOUNT OF ELEMENT B CARRIED TO SUMMARY</u> <u>AT END OF BILL NO. 2</u></p> <p><u>SUB-STRUCTURE</u> <u>ADMINISTRATION BLOCK- LG + GF</u> <u>MAIN COLLECTION</u></p>		<p>2/6</p> <p>2/9</p>	<p>Shs.</p>	



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>ELEMENT C</u>				
	<u>REINFORCED CONCRETE FRAME</u>				
	<u>SECTION A -LOWER GROUND FLOOR</u>				
	<u>Note: Rates to include expansion joint filler including all necessary formwork to the concrete works.</u>				
	<u>Vibrated reinforced concrete (class 25)</u>				
A.	Columns.	m3	36		
B.	Beams.	m3	98		
C.	Staircase.	m3	15		
D.	150mm Thick solid floor slab.	m2	398		
E.	150mm Thick landing.	m2	46		
	<u>Ribbed bar steel reinforcement to B.S. 4461 and K.S. ISO 6935-2:2007 Part 2</u>				
F.	Reinforcement in columns	Kg.	5,400		
G.	Reinforcement in beams	Kg.	14,700		
H.	Reinforcement in staircase	Kg.	2,250		
I.	Reinforcement in suspended slab	Kg.	8,955		
J.	Reinforcement in landing	Kg.	1,035		
	<u>Marineply formwork</u>				
K.	Sides of columns.	m2	353		
L.	Sides and soffits of beams.	m2	912		
M.	Soffit of suspended solid floor slab	m2	398		
N.	Face of riser 75 - 150mm high.	m	648		
O.	Edge of sloping staircase stringer 225 - 300mm (extreme) high including cutting to profile of treads and risers.	m	17		
	<u>REINFORCED CONCRETE FRAME</u>				
	<u>ADMINISTRATION BLOCK-LOWER GROUND</u>				
				Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>The following in 600mm thick ribbed slab including BRC Mesh A142 (measured separately)</u>				
A.	Ribs type 1 (140 x 525mm)	m3	54		
B.	330mm Thick topping	m2	855		
	<u>Ribbed bar steel reinforcement to B.S. 4461 and K.S. ISO 6935-2:2007 Part 2</u>				
C.	Reinforcement in ribs	Kg.	8,100		
D.	Steel wire fabric mesh reinforcement to B.S. 4483 Ref: A 252 in ribbed concrete (measured net, no allowance made for minimum 225mm laps) including all necessary tying and supporting as necessary	m2	855		
	<u>Marineply formwork</u>				
H.	Sides and soffits of ribs.	m2	970		
I.	Soffit of ribbed slab topping	m2	855		
				Shs.	
	<u>SECTION A- LOWER GROUND FLOOR</u>				
	<u>REINFORCED CONCRETE FRAME</u>				
	<u>COLLECTION</u>				
	Brought forward from Page No. 2/12				
	" " " " " 2/13				
	<u>TOTAL AMOUNT OF SECTION A CARRIED TO SUMMARY AT END OF ELEMENT C</u>			Shs.	
	<u>REINFORCED CONCRETE FRAME</u>				
	<u>ADMINISTRATION BLOCK-LOWER GROUND</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<b>SECTION B - GROUND FLOOR</b>				
	<u>Note: Rates to include expansion joint filler including all necessary formwork to the concrete works.</u>				
	<u>Vibrated reinforced concrete (class 25)</u>				
A.	Columns.	m3	78		
B.	Beams.	m3	188		
C.	Staircase.	m3	12		
D.	300mm Thick Lift Walls.	m2	35		
E.	150mm Thick solid first floor slab.	m2	628		
F.	150mm Thick Suspended landing.	m2	22		
G.	200mm Thick Suspended ramp.	m2	66		
	<u>Ribbed bar steel reinforcement to B.S. 4461 and K.S. ISO 6935-2:2007 Part 2</u>				
H.	Reinforcement in columns	Kg.	11,700		
I.	Reinforcement in beams	Kg.	28,200		
J.	Reinforcement in staircase	Kg.	1,800		
K.	Reinforcement in lift walls	Kg.	1,575		
L.	Reinforcement in suspended slab	Kg.	14,130		
M.	Reinforcement in landing	Kg.	495		
N.	Reinforcement in ramp	Kg.	1,980		
				Shs.	
	<b>REINFORCED CONCRETE FRAME</b>				
	<b>ADMINISTRATION BLOCK-GROUND FLOOR</b>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>Marineply formwork</u>				
A.	Sides of columns.	m2	768		
B.	Sides and soffits of beams.	m2	1,754		
C.	Sides of lift walls.	m2	70		
D.	Soffit of suspended landing.	m2	22		
E.	Sloping soffit of suspended staircase.	m2	34		
F.	Edge of slab 75-150mm high	m	233		
G.	Face of riser 75 - 150mm high.	m	58		
H.	Edge of sloping staircase stringer 225 - 300mm (extreme) high including cutting to profile of treads and risers.	m	68		
I.	Edge of sloping ramp 150-225mm (extreme) high	m	64		
	<u>The following in 600mm thick vibrated reinforced concrete (class 25) ribbed slab as before described</u>				
J.	Ribs (140 x 525mm)	m3	128		
K.	330mm Thick topping	m2	2,042		
	<u>Ribbed bar steel reinforcement to B.S. 4461 and K.S. ISO 6935-2:2007 Part 2</u>				
L.	Reinforcement in ribs	Kg.	19,200		
M.	Steel wire fabric mesh reinforcement to B.S. 4483 Ref: A 252 in ribbed concrete (measured net, no allowance made for minimum 225mm laps) including all necessary tying and supporting as necessary	m2	2,042		
	<u>Marineply formwork</u>				
N.	Sides and soffits of ribs.	m2	2,306		
O.	Soffit of ribbed slab topping	m2	2,042		
				Shs.	
	<u>REINFORCED CONCRETE FRAME</u>				
	<u>ADMINISTRATION BLOCK-GROUND FLOOR</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p><u>SECTION B - GROUND FLOOR</u></p> <p><u>REINFORCED CONCRETE FRAME</u></p> <p><u>COLLECTION</u></p> <p>" " " " " 2/14</p> <p>" " " " " 2/15</p>				
	<p><u>TOTAL AMOUNT OF SECTION B CARRIED TO SUMMARY</u></p> <p><u>AT END OF ELEMENT C</u></p>			Shs.	
	<p><u>REINFORCED CONCRETE FRAME</u></p> <p><u>ADMINISTRATION BLOCK-GROUND FLOOR</u></p> <p><u>COLLECTION</u></p>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<b><u>SECTION C - FIRST FLOOR</u></b>				
	<u>Note: Rates to include expansion joint filler including all necessary formwork to the concrete works.</u>				
	<u>Vibrated reinforced concrete (class 25)</u>				
A.	Columns.	m3	78		
B.	Beams.	m3	188		
C.	Staircase.	m3	12		
D.	300mm Thick Lift Walls.	m2	35		
E.	150mm Thick solid floor slab.	m2	743		
F.	150mm Thick Suspended landing.	m2	22		
G.	200mm Thick Suspended ramp.	m2	66		
	<u>Ribbed bar steel reinforcement to B.S. 4461 and K.S. ISO 6935-2:2007 Part 2</u>				
H.	Reinforcement in columns	Kg.	11,700		
I.	Reinforcement in beams	Kg.	28,200		
J.	Reinforcement in staircase	Kg.	1,800		
K.	Reinforcement in lift walls	Kg.	1,575		
L.	Reinforcement in suspended slab	Kg.	16,718		
M.	Reinforcement in landing	Kg.	495		
O.	Reinforcement in ramp	Kg.	1,980		
				Shs.	
	<b><u>REINFORCED CONCRETE FRAME</u></b>				
	<b><u>ADMINISTRATION BLOCK-FIRST FLOOR</u></b>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>Marineply formwork</u>				
A.	Sides of columns.	m2	768		
B.	Sides and soffits of beams.	m2	1,754		
C.	Sides of lift walls.	m2	70		
D.	Soffit of suspended landing.	m2	22		
E.	Sloping soffit of suspended staircase.	m2	34		
F.	Edge of slab 75-150mm high	m	275		
G.	Face of riser 75 - 150mm high.	m	58		
H.	Edge of sloping staircase stringer 225 - 300mm (extreme) high including cutting to profile of treads and risers.	m	68		
I.	Edge of sloping ramp 150-225mm (extreme) high	m	64		
	<u>The following in 600mm thick vibrated reinforced concrete (class 25) ribbed slab as before described</u>				
J.	Ribs (140 x 520mm)	m3	70		
K.	330mm Thick topping	m2	1,100		
	<u>Ribbed bar steel reinforcement to B.S. 4461 and K.S. ISO 6935-2:2007 Part 2</u>				
L.	Reinforcement in ribs	Kg.	10,500		
M.	Steel wire fabric mesh reinforcement to B.S. 4483 Ref: A 252 in ribbed concrete (measured net, no allowance made for minimum 225mm laps) including all necessary tying and supporting as necessary	m2	1,100		
	<u>Marineply formwork</u>				
N.	Sides and soffits of ribs.	m2	1,264		
O.	Soffit of ribbed slab topping	m2	1,100		
				Shs.	
	<u>REINFORCED CONCRETE FRAME</u>				
	<u>ADMINISTRATION BLOCK-FIRST FLOOR</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p><u>SECTION C - FIRST FLOOR</u></p> <p><u>REINFORCED CONCRETE FRAME</u></p> <p><u>COLLECTION</u></p> <p>" " " " " 2/17</p> <p>" " " " " 2/18</p> <p><u>TOTAL AMOUNT OF SECTION C CARRIED TO SUMMARY</u> <u>AT END OF ELEMENT C</u></p> <p><u>REINFORCED CONCRETE FRAME</u> <u>ADMINISTRATION BLOCK-FIRST FLOOR</u> <u>COLLECTION</u></p>			Shs.	



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<b><u>SECTION D - SECOND FLOOR</u></b>				
	<u>Note: Rates to include expansion joint filler including all necessary formwork to the concrete works.</u>				
	<u>Vibrated reinforced concrete (class 25)</u>				
A.	Columns.	m3	41		
B.	Beams.	m3	134		
C.	300mm Thick Lift Walls.	m2	35		
D.	150mm Suspended solid slab	m2	140		
E.	150mm Suspended gutter base	m2	94		
F.	150mm gutter side wall	m2	188		
	<u>Ribbed bar steel reinforcement to B.S. 4461 and K.S. ISO 6935-2:2007 Part 2</u>				
G.	Reinforcement in columns	Kg.	6,150		
H.	Reinforcement in beams	Kg.	20,100		
I.	Reinforcement in lift walls	Kg.	1,575		
J.	Reinforcement in suspended slab	Kg.	3,150		
K.	Reinforcement in gutter base	Kg.	423		
L.	Reinforcement in gutter side walls	Kg.	846		
	<u>Marineply formwork</u>				
M.	Sides of columns.	m2	415		
N.	Sides and soffits of beams.	m2	1,250		
O.	Sides of lift walls.	m2	70		
P.	Soffits of suspended slab	m2	140		
Q.	Soffit of gutter base	m2	94		
R.	Sides of gutter side walls	m2	376		
	<u>TOTAL AMOUNT OF SECTION D CARRIED TO SUMMARY AT END OF ELEMENT C</u>			Shs.	
	<u>REINFORCED CONCRETE FRAME</u>				
	<u>ADMINISTRATION BLOCK-SECOND FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT C</u></p> <p style="text-align: center;"><u>REINFORCED CONCRETE FRAME</u></p> <p style="text-align: center;"><u>COLLECTION</u></p> <p>Section A -Lower Ground Floor</p> <p>Section B - Ground Floor</p> <p>Section C - First Floor</p> <p>Section D- Second Floor</p> <p><u>TOTAL AMOUNT OF ELEMENT C CARRIED TO SUMMARY</u> <u>AT END OF BILL NO. 2</u></p> <p><u>REINFORCED CONCRETE FRAME</u> <u>ADMINISTRATION BLOCK-LG+GF+1F+2F</u> <u>MAIN COLLECTION</u></p>		<p>2/13</p> <p>2/16</p> <p>2/19</p> <p>2/20</p>	Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT D</u></p> <p style="text-align: center;"><u>EXTERNAL AND INTERNAL WALLS</u></p> <p style="text-align: center;"><u>SECTION A -LOWER GROUND FLOOR</u></p> <p><u>Precast concrete (class 25) bedded, jointed and pointed in gauged mortar.</u></p> <p>A. 100mm thick Vertical Precast Concrete sun shading fins size 600mm wide by 4200mm high complete with glitterlite finish to approval</p> <p>B. 100mm thick Horizontal Precast Concrete sun shading fins size 3600mm wide by 1500mm deep complete with glitterlite finish to approval</p> <p>C. Lintols reinforced with two 12 mm mild steel bars,size - 200 x 200 mm</p> <p>D. Lintols reinforced with two 12 mm mild steel bars,size - 150 x 200 mm</p> <p><u>Machine cut natural stone walling in 200mm course heights, bedded and jointed in cement sand mortar (1:3), reinforced with 20 gauge x 25mm wide hoop iron reinforcement and column wall ties in every alternate course</u></p> <p>E. 200mm Load bearing (7N/mm<sup>2</sup>) walling.</p> <p>F. Ditto but internal walls</p> <p>G. 150mm internal Walling</p> <p>H. No. 16 B.W.G. Hoop iron fixing clamp 25mm wide x 450mm girth as before (Provisional).</p> <p><u>Pluvex No. 1 or other equal and approved horizontal bitumen damp proof course to B.S. 743 (measured net - no allowance made for laps).</u></p> <p>I. 150mm Wide under walling.</p> <p>J. 200mm Wide under walling.</p> <p><u>WALLING</u></p> <p><u>ADMINISTRATION BLOCK-LOWER GROUND</u></p>	No.	6		
		No.	6		
		m	102		
		m	11		
		m <sup>2</sup>	640		
		m <sup>2</sup>	660		
		m <sup>2</sup>	84		
		No.	720		
		m	32		
		m	420		
				Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>The following in internal partitions (All provisional)</u>				
	<u>Supply, assemble and fix the following full height aluminium framed glass partitions</u>				
A.	10mm Laminated glass partition in 100 x 50mm powder aluminium section frames and glazing beads constructed strictly in accordance with drawing	m2	141		
	<u>Supply, assemble and fix the following aluminium framed glass partition.</u>				
B.	10mm Laminated glass partition in 100 x 50mm natural aluminium section frames and glazing beads to approval.	m2	157		
C.	Approved decorative film fixed onto glass partition to approval.	m2	157		
	<u>Supply, assemble and fix yellow laminated MDF partitions</u>				
D.	100mm Thick overall dry wall partition comprising approved timber studs faced both sides with 18mm thick yellow laminated MDF boards to approval.	m2	80		
	<u>SECTION A -LOWER GROUND FLOOR</u>				
	<u>EXTERNAL AND INTERNAL WALLS</u>				
	<u>COLLECTION</u>				
	" " " " " 2/22				
	" " " " " 2/23				
	<u>TOTAL AMOUNT OF SECTION A CARRIED TO SUMMARY AT END OF ELEMENT D</u>				
				Shs.	
	<u>WALLING</u>				
	<u>ADMINISTRATION BLOCK-LOWER GROUND</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION B -GROUND FLOOR</u>				
	<u>Precast concrete (class 25) bedded, jointed and pointed in gauged mortar.</u>				
A.	150mm thick Vertical Precast Concrete sun shading fins size 600mm wide by 4200mm high complete with glitterlite finish to approval	No.	18		
B.	150mm thick Horizontal Precast Concrete sun shading fins size 3600mm wide by 1500mm deep complete with glitterlite finish to approval (W5)	No.	10		
C.	150mm thick Horizontal Precast Concrete sun shading fins size 2400mm wide by 1500mm deep complete with glitterlite finish to approval (W1)	No.	8		
D.	Lintols reinforced with two 12 mm mild steel bars,size - 200 x 200 mm	m	456		
E.	Lintols reinforced with two 12 mm mild steel bars,size - 150 x 200 mm	m	15		
	<u>Approved machine cut local stone walling in gauged mortar as before described in:</u>				
F.	200mm Load bearing (7N/mm2) walling.	m2	1,020		
G.	Ditto but internal walls	m2	1,310		
H.	150mm internal Walling	m2	150		
I.	No. 16 B.W.G. Hoop iron fixing clamp 25mm wide x 450mm girth as before (Provisional).	No.	1,440		
	<u>Pluvex No. 1 or other equal and approved horizontal bitumen damp proof course to B.S. 743 (measured net - no allowance made for laps).</u>				
J.	150mm Wide under walling.	m	38		
K.	200mm Wide under walling.	m	882		
				Shs.	
	<u>WALLING</u>				
	<u>ADMINISTRATION BLOCK-GROUND FLOOR</u>				



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION C -FIRST FLOOR</u>				
	<u>Precast concrete (class 25) bedded, jointed and pointed in gauged mortar.</u>				
A.	150mm thick Vertical Precast Concrete sun shading fins size 600mm wide by 4200mm high complete with glitterlite finish to approval	No.	14		
B.	150mm thick Horizontal Precast Concrete sun shading fins size 3600mm wide by 1500mm deep complete with glitterlite finish to approval (W 15)	No.	4		
C.	150mm thick Horizontal Precast Concrete sun shading fins size 2400mm wide by 1500mm deep complete with glitterlite finish to approval (W 11)	No.	10		
D.	Lintols reinforced with two 12 mm mild steel bars,size - 200 x 200 mm	m	378		
E.	Lintols reinforced with two 12 mm mild steel bars,size - 150 x 200 mm	m	17		
	<u>Approved machine cut local stone walling in gauged mortar as before described in:</u>				
F.	200mm Load bearing (7 N/mm2) walling.	m2	1,410		
G.	Ditto but internal walls	m2	1,208		
H.	150mm internal Walling	m2	154		
I.	No. 16 B.W.G. Hoop iron fixing clamp 25mm wide x 450mm girth as before (Provisional).	No.	1,440		
				Shs.	
	<u>WALLING</u>				
	<u>ADMINISTRATION BLOCK- FIRST FLOOR</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>The following in internal partitions</u> <u>(All provisional)</u> <u>Supply, assemble and fix the following full height aluminium framed glass partitions</u>				
A.	10mm Laminated glass partition in 100 x 50mm powder aluminium section frames and glazing beads constructed strictly in accordance with drawing	m2	155		
	<u>Supply, assemble and fix the following aluminium framed glass partition.</u>				
B.	10mm Laminated glass partition in 100 x 50mm natural aluminium section frames and glazing beads to approval.	m2	157		
C.	Approved decorative film fixed onto glass partition to approval.	m2	157		
	<u>Supply, assemble and fix yellow laminated MDF partitions</u>				
D.	100mm Thick overall dry wall partition comprising approved timber studs faced both sides with 18mm thick yellow laminated MDF boards to approval.	m2	80		
				Shs.	
	<u>ELEMENT C</u>				
	<u>EXTERNAL AND INTERNAL WALLS</u>				
	<u>COLLECTION</u>				
	" " " " " 2/26				
	" " " " " 2/27				
	<u>TOTAL AMOUNT OF SECTION C CARRIED TO SUMMARY AT END OF ELEMENT D</u>			Shs.	
	<u>WALLING</u>				
	<u>ADMINISTRATION BLOCK- FIRST FLOOR</u>				
	<u>COLLECTION</u>				



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION D -SECOND FLOOR</u>				
	<u>Precast concrete (class 25) bedded, jointed and pointed in gauged</u>				
A.	150mm thick Vertical Precast Concrete sun shading fins size 600mm wide by 4200mm high complete with glitterlite finish to approval	No.	12		
B.	150mm thickHorizontal Precast Concrete sun shading fins size 6000mm wide by 1500mm deep complete with glitterlite finish to approval (W 16)	No.	4		
C.	200mm thick Horizontal Precast Concrete sun shading fins size 2400mm wide by 1500mm deep complete with glitterlite finish to approval (W 21)	No.	8		
D.	Lintols reinforced with two 12 mm mild steel bars,size - 200 x 200 mm	m	211		
E.	Ditto above,size - 150 x 200 mm	m	15		
F.	350 x 70mm Coping twice throated and weathered	m	72		
	<u>Approved machine cut local stone walling in gauged mortar</u>				
G.	200mm Load bearing walling.	m2	770		
H.	200mm Load bearing parapet walling.	m2	81		
I.	Ditto but internal walls	m2	681		
J.	150mm internal Walling	m2	115		
K.	No. 16 B.W.G. Hoop iron fixing clamp 25mm wide x 450mm girth as before (Provisional).	No.	750		
				Shs.	
	<u>WALLING</u>				
	<u>ADMINISTRATION BLOCK- SECOND FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT D</u></p> <p style="text-align: center;"><u>EXTERNAL AND INTERNAL WALLS</u></p> <p style="text-align: center;"><u>COLLECTION</u></p> <p>Section A -Lower Ground Floor</p> <p>Section B - Ground Floor</p> <p>Section C - First Floor</p> <p>Section D- Second Floor</p> <p><u>TOTAL AMOUNT OF ELEMENT D CARRIED TO SUMMARY</u> <u>AT END OF BILL NO. 2</u></p> <p><u>WALLING</u> <u>ADMINISTRATION BLOCK- LG + GF + 1F + 2F</u> <u>COLLECTION</u></p>		<p>2/23</p> <p>2/25</p> <p>2/27</p> <p>2/28</p>	Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT E</u></p> <p style="text-align: center;"><u>ROOF CONSTRUCTION,COVERINGS AND RAINWATER GOODS</u></p> <p style="text-align: center;"><u>(ALL PROVISIONAL)</u></p>				
A.	25 x 25mm Horizontal groove in walling for turn in of metal flashing and point in gauged mortar.	m	458		
	<u>Impregnated sawn cypress</u>				
B.	100 x 50mm Wall plate bedded in cement mortar (1:3) and ragbolted to concrete at 1200mm centres (bolts measured separately).	m	334		
C.	50 x 50mm Triangular tilting fillet.	m	82		
D.	100 x 50mm Common rafter.	m	2,433		
E.	75 x 50mm Fascia or barge board bearer.	m	305		
F.	150 x 50mm Hip rafter.	m	208		
G.	150 x 50mm Ridge board.	m	171		
H.	100 x 50mm Purlins.	m	2,444		
I.	Extra labour and material in scarfed joint on 150 x 50mm timber including closely binding with 24 B.W.G. hoop iron 18mm wide around joint nailed on.	No.	200		
J.	Bore 50mm timber for 12mm bolt (measured separately).	No.	1,926		
K.	12mm Diameter ragbolt 250mm long with head, nut and washer cast into and including mortice in concrete and run with gauged mortar.	No.	1,926		
				Shs.	
	<u>ROOFING</u>				
	<u>ADMINISTRATION BLOCK</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>The following in 44No. bolted roof trusses 13000mm span x 1610mm rise and hoisting and fixing 9000mm high above ground floor level (Truss T1).</u>				
	<u>Impregnated sawn cypress</u>				
A.	150 x 50mm Rafter.	m	930		
B.	150 x 50mm Tie.	m	836		
C.	100 x 50mm King post.	m	70		
D.	100 x 50mm Strut.	m	528		
	<u>The following in 72 No. bolted roof trusses 14000mm span x 1610mm rise and hoisting and fixing 13000mm high above ground floor level (Truss T2).</u>				
	<u>Impregnated sawn cypress</u>				
E.	150 x 50mm Rafter.	m	1,100		
F.	150 x 50mm Tie.	m	1,008		
G.	100 x 50mm King post.	m	115		
H.	100 x 50mm Strut.	m	720		
	<u>The following in 19 No. bolted roof trusses 19000mm span x 1610mm rise and hoisting and fixing 13000mm high above ground floor level (Truss T3).</u>				
	<u>Impregnated sawn cypress</u>				
I.	150 x 50mm Rafter.	m	405		
J.	150 x 50mm Tie.	m	361		
K.	100 x 50mm King post.	m	30		
L.	100 x 50mm Strut.	m	304		
				Shs.	
	<u>ROOFING</u>				
	<u>ADMINISTRATION BLOCK</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>Approved concrete tiles with and including 30mm gauge galvanised mini corrugated iron sheets as mabati underlay or other equal and approved to Architects approvals.</u>				
A.	Approved roofing tiles fixed on roof structure (measured separately).	m2	3,900		
B.	Approved half round ridge tile.	m	165		
C.	Approved half round hip tile bedded, jointed and pointed in matching coloured cement mortar.	m	174		
D.	Raking cutting on hip or valley tiles.	m	348		
E.	Extra over for filled ends in coloured cement mortar.	No.	20		
	<u>Eaves Finishes</u>				
F.	15mm (Finished) prime grade wrot cypress tongued and grooved eaves boarding in 100mm widths fixed on and including 50 x 50mm impregnated sawn cypress banderling at 600mm centres both ways.	m2	218		
G.	200 x 25mm Approved wrot cypress fascia or barge board fixed to rafters and timber bearer (both measured separately).	m	305		
	<u>16 Gauge galvanised sheet mild steel</u>				
H.	250mm Horizontal flashing twice bent, one edge dressed over roof tiling and the other turned into groove (measured separately)	m	458		
I.	100mm Diameter x 1900mm long mild steel circular hollow section brackets fixed to approval (34 No.)	m	68		
	<u>24 Gauge galvanised sheet mild steel</u>				
J.	100mm Diameter down pipe with welded joints fixed to concrete or stone wall with and including approved brackets.	m	90		
K.	Extra for shoe.	No.	16		
				Shs.	
	<u>ROOFING</u>				
	<u>ADMINISTRATION BLOCK</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Extra for swanneck 600mm projection.	No.	16		
B.	Approved mosquito netting in eaves ventilation.	m2	326		
C.	Prepare and apply one coat of aluminium wood primer before fixing on backs of wood surfaces in contact with masonry, concrete or plaster.	m2	65		
	<u>The whole of the following work is to be executed by an approved Sub-Contractor or other equal and approved.</u>				
D.	Prepare, prime with one coat of zinc chromate primer and paint one undercoat and two gloss finishing coats of 'Crown Paints Solo' or other equal and approved oil paint on general surfaces of metalwork externally.	m2	72		
E.	Prepare and apply three coats of 'Crown Paints Solo' timbercare or other equal and approved on general surfaces of tongued and grooved boarding externally.	m2	218		
F.	Knot, prime, stop and paint one undercoat and two gloss finishing coats of 'Crown Paints Solo' or other equal and approved oil paint on woodwork surfaces 200 - 300mm girth externally.	m	305		
	<u>Note: A ten year guarantee against defects will be required for the following flat roof waterproofing.</u>				
	<u>Three layer APP felt or other equal and approved membrane roof waterproofing laid strictly in accordance with the manufacturer's printed specifications.</u>				
G.	Roofing laid to falls and crossfalls on screed (measured separately)	m2	140		
	<u>Cement, sand and diatomite (1:4:8) lightweight roof screed finished to receive roof waterproofing.</u>				
H.	75mm (Average) thick screed on concrete laid to falls and crossfalls.	m2	140		
I.	75mm (Average) thick protective screed on felt roofing finished to receive concrete interlocking tiles (measured separately)	m2	140		
J.	200 x 200 x 15mm Thick precast concrete interlocking tiles bedded and jointed in cement and sand (1:3) mortar.	m2	140		
	<u>ROOFING</u>			Shs.	
	<u>ADMINISTRATION BLOCK</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT E</u></p> <p style="text-align: center;"><u>ROOF CONSTRUCTION,COVERINGS AND RAINWATER</u> <u>GOODS</u></p> <p style="text-align: center;"><u>COLLECTION</u></p> <p>Brought forward from Page No. 2/30</p> <p>"        "        "        "        "    2/31</p> <p>"        "        "        "        "    2/32</p> <p>"        "        "        "        "    2/33</p> <p><u>TOTAL AMOUNT OF ELEMENT E CARRIED TO SUMMARY</u> <u>AT END OF BILL NO. 2</u></p> <p><u>ROOFING</u> <u>ADMINISTRATION BLOCK</u> <u>COLLECTION</u></p>				
				Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT F</u></p> <p style="text-align: center;"><u>WINDOWS</u></p> <p style="text-align: center;"><u>SECTION A -LOWER GROUND FLOOR</u></p> <p>A. 250 x 75mm Precast concrete (class 20) sunk, weathered and throated cill cast in convenient lengths, reinforced as necessary for handling, bedded, jointed and pointed in gauged mortar and finished fair on all exposed faces.</p> <p>B. Horizontal bitumen dampproof course to B.S. 743 250mm wide under window cill (measured net - no allowance made for laps).</p> <p><u>The following in window board</u></p> <p><u>Solid Meru Oak or other equal and approved hardwood timber to:</u></p> <p>C. 20 x 20mm Moulded quadrant.</p> <p>D. 100 x 25mm Window board with one rounded edge.</p> <p><u>Supply, assemble and fix the following aluminium windows in approved sections complete with 12mm thick laminated glazing, all necessary handles, levers or finger pulls and pins, catches and stays, sliding window complete with all necessary handles and approved small locking device where applicable fixed at pre-determined positions, including snap on glazing beads, building in lugs to jambs, plugging and screwing to head and cill and bedding frames in waterproof cement mortar and pointing in approved acrylic mastic and oiling, easing and adjusting. All windows shall have permanent ventilators and include a mosquito gauze panel welded on, all to the entire satisfaction of the Architect.</u></p> <p>E Window size 6000 x 2100mm (W16) .</p> <p>F. Window size 4200 x 1500mm (W19).</p> <p>G. Window size 3600 x 2100mm (W15) .</p> <p>H. Window size 1800 x 2100mm (W20) .</p> <p>I. Window size 1200 x 1500mm (W18) .</p> <p>J. Window size 600 x 1500mm (W17).</p> <p><u>WINDOWS</u></p> <p><u>ADMINISTRATION BLOCK- LOWER GROUND</u></p>	m	76		
		m	76		
		m	76		
		m	76		
		No.	4		
		No.	4		
		No.	6		
		No.	4		
		No.	4		
		No.	2		
				Shs.	





ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p><u>SECTION A -LOWER GROUND FLOOR</u></p> <p><u>WINDOWS</u></p> <p><u>COLLECTION</u></p> <p>" " " " " 2/35</p> <p>" " " " " 2/36</p> <p><u>TOTAL AMOUNT OF SECTION A CARRIED TO SUMMARY</u> <u>AT END OF ELEMENT F</u></p>				
				Shs.	
	<p><u>WINDOWS</u></p> <p><u>ADMINISTRATION BLOCK- LOWER GROUND</u> <u>COLLECTION</u></p>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION B -GROUND FLOOR</u>				
A	250 x 75mm Precast concrete (class 20) sunk, weathered and throated cill cast in convenient lengths, reinforced as necessary for handling, bedded, jointed and pointed in gauged mortar and finished fair on all exposed faces.	m	248		
B	Horizontal bitumen dampproof course to B.S. 743 250mm wide under window cill (measured net - no allowance made for laps).	m	248		
	<u>The following in window board</u>				
	<u>Solid Meru Oak or other equal and approved hardwood timber</u>				
C	20 x 20mm Moulded quadrant.	m	248		
D	100 x 25mm Window board with one rounded edge.	m	248		
	<u>Supply, assemble and fix the following aluminium windows as before:</u>				
E	Window size 6000 x 2700mm (W6) .	No.	8		
F	Window size 6000 x 2100mm (W16) .	No.	4		
G	Window size 4800 x 2700mm (W4).	No.	2		
H	Window size 4200 x 2100mm (W9).	No.	4		
I	Window size 4200 x 1500mm (W19).	No.	4		
J	Window size 3600 x 2700mm (W5) .	No.	10		
K	Window size 3600 x 2100mm (W3) .	No.	2		
L	Window size 3600 x 2100mm (W15) .	No.	6		
M	Window size 2400 x 2700mm (W1) .	No.	8		
				Shs.	
	<u>WINDOWS</u>				
	<u>ADMINISTRATION BLOCK- GROUND FLOOR</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Window size 1800 x 2700mm (W10) .	No.	6		
B.	Window size 1800 x 2100mm (W20) .	No.	4		
C.	Window size 1200 x 2700mm (W2) .	No.	8		
D.	Window size 1200 x 2100mm (W8) .	No.	6		
E.	Window size 1200 x 1500mm (W18) .	No.	4		
F.	Window size 600 x 2100mm (W7).	No.	4		
G.	Window size 600 x 1500mm (W17).	No.	2		
	<u>Approved mild steel grilles to architect design (Provisional)</u>				
H.	Various sizes	m2	595		
	<u>Glazing</u>				
I.	8mm Clear float glass and glazing to steel with beads (supplied) in panes 0.50 - 1.00 square metres.	m2	505		
J.	8mm Obscured glass and glazing to metal with putty in panes not exceeding 0.10 square metres.	m2	90		
K.	Prepare and apply one coat of aluminium wood primer before fixing on backs of wood surfaces in contact with masonry, concrete or plaster.	m2	180		
L.	Prepare and apply approved stain, sanding sealer and three coats of "Crown Paints Solo" or other equal and approved varnish on woodwork surfaces 100 - 200mm girth internally.	m	496		
				Shs.	
	<u>WINDOWS</u>				
	<u>ADMINISTRATION BLOCK- GROUND FLOOR</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p><u>SECTION B -GROUND FLOOR</u></p> <p><u>WINDOWS</u></p> <p><u>COLLECTION</u></p> <p>" " " " " 2/38</p> <p>" " " " " 2/39</p> <p><u>TOTAL AMOUNT OF SECTION B CARRIED TO SUMMARY</u> <u>AT END OF ELEMENT F</u></p>				
				Shs.	
	<p><u>WINDOWS</u></p> <p><u>ADMINISTRATION BLOCK- GROUND FLOOR</u></p> <p><u>COLLECTION</u></p>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION C - FIRST FLOOR</u>				
A	250 x 75mm Precast concrete (class 20) sunk, weathered and throated cill cast in convenient lengths, reinforced as necessary for handling, bedded, jointed and pointed in gauged mortar and finished fair on all exposed faces.	m	193		
B	Horizontal bitumen dampproof course to B.S. 743 250mm wide under window cill (measured net - no allowance made for laps).	m	193		
	<u>The following in window board</u>				
	<u>Solid Meru Oak or other equal and approved hardwood timber</u>				
C	20 x 20mm Moulded quadrant.	m	193		
D	100 x 25mm Window board with one rounded edge.	m	193		
	<u>Supply, assemble and fix the following aluminium windows as before</u>				
E	Window size 6000 x 2100mm (W16) .	No.	14		
F	Window size 4800 x 2100mm (W14) .	No.	4		
G	Window size 4200 x 1500mm (W19).	No.	4		
H	Window size 3600 x 2100mm (W15) .	No.	4		
I	Window size 3600 x 1500mm (W13) .	No.	2		
J	Window size 2400 x 2100mm (W11) .	No.	10		
K.	Window size 1800 x 2100mm (W20) .	No.	6		
L.	Window size 1200 x 2100mm (W12) .	No.	4		
M.	Window size 1200 x 1500mm (W18) .	No.	8		
N.	Window size 600 x 1500mm (W17).	No.	4		
				Shs.	
	<u>WINDOWS</u>				
	<u>ADMINISTRATION BLOCK- FIRST FLOOR</u>				



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION D - SECOND FLOOR</u>				
A	250 x 75mm Precast concrete (class 20) sunk, weathered and throated cill cast in convenient lengths, reinforced as necessary for handling, bedded, jointed and pointed in gauged mortar and finished fair on all exposed faces.	m	157		
B	Horizontal bitumen dampproof course to B.S. 743 250mm wide under window cill (measured net - no allowance made for laps).	m	157		
	<u>The following in window board</u>				
	<u>Solid Meru Oak or other equal and approved hardwood timber</u>				
C	20 x 20mm Moulded quadrant.	m	157		
D	100 x 25mm Window board with one rounded edge.	m	157		
	<u>Supply, assemble and fix the following aluminium windowsas before</u>				
E	Window size 6000 x 2100mm (W16) .	No.	8		
F	Window size 4800 x 2100mm (W14) .	No.	4		
G	Window size 4200 x 1500mm (W19).	No.	4		
H	Window size 3000 x 2100mm (W21) .	No.	8		
I	Window size 3600 x 1500mm (W13) .	No.	2		
J	Window size 2400 x 2100mm (W11) .	No.	8		
K	Window size 1800 x 2100mm (W20) .	No.	3		
L	Window size 1200 x 2100mm (W12) .	No.	4		
				Shs.	
	<u>WINDOWS</u>				
	<u>ADMINISTRATION BLOCK- SECOND FLOOR</u>				





ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT F</u></p> <p style="text-align: center;"><u>WINDOWS</u></p> <p style="text-align: center;"><u>COLLECTION</u></p> <p>Section A -Lower Ground Floor</p> <p>Section B - Ground Floor</p> <p>Section C - First Floor</p> <p>Section D- Second Floor</p> <p><u>TOTAL AMOUNT OF ELEMENT F CARRIED TO SUMMARY</u> <u>AT END OF BILL NO. 2</u></p> <p><u>WINDOWS</u></p> <p><u>ADMINISTRATION BLOCK- LG + GF + 1F + 2F</u></p> <p>MAIN COLLECTION</p>		<p>2/37</p> <p>2/40</p> <p>2/42</p> <p>2/44</p>	Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT G</u></p> <p style="text-align: center;"><u>DOORS</u></p> <p style="text-align: center;"><u>SECTION A -LOWER GROUND FLOOR</u></p> <p><u>Note:</u></p> <p><u>The following doors shall conform in every respect with drawings bracketed after every item description and to the entire satisfaction of the Architect.</u></p> <p><u>Aluminium Doors: (All Provisional)</u></p> <p><u>Supply, assemble and fix the following aluminium framed glass doors.</u></p> <p>A Pivoted single leaf swing door size 900 x 2700mm high comprising approved colour powder coated aluminium sections stiles, head and bottom rebated for glass, the panel filled in with and including 8mm thick laminated glass and glazing with decorative film and approved glazing beads approved colour powder coated rebated aluminium section frame fixed to structure complete with rubber silencer strips, with aluminium lock systems with cylinder locks to Union or equivalent and approved and dorma door closer to approval</p> <p>B Do. but double leaf size 1500 x 2700mm high</p> <p><u>Timber Doors:</u></p> <p><u>50mm thick solid core flush doors with scratch proof laminate (BEECH VENEER) and matching 12.5mm thick hardwood lipping on three sides and post-formed edge on door lock side to Architect's approval</u></p> <p>C Single leaf door: Door size 900 x 2100mm (D6)</p> <p>D Single leaf door: Door size 900 x 3000mm (D3)</p> <p><u>DOORS</u></p> <p><u>ADMINISTRATION BLOCK- LOWER GROUND</u></p>				
		No.	10		
		No.	4		
		No.	12		
		No.	14		
				Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Single leaf door: Door size 900 x 3000mm (D5)	No.	10		
B.	Single leaf door: Door size 1000 x 3000mm (D7)	No.	2		
C.	Double leaf door: Door size 1500 x 3000mm (D4)	No.	4		
	<u>50mm thick Solid Meru oak or other equal and approved hardwood PANEL doors with 12.5mm thick Meru oak lipping to Architect's approval.</u>				
D.	Double leaf door: Door size 1500 x 3000mm (D2)	No.	4		
	<u>50mm Thick Solid Meru Oak louvered timber panel to Architect's approval</u>				
E.	Single leaf door: Door size 900 x 3000mm (D8)	No.	2		
	<u>Frames and finishings</u>				
	<u>Solid Meru Oak or other equal and approved hardwood timber</u>				
F.	225 x 50mm Frame with four labours.	m	314		
G.	150 x 50mm x 2mm thick Transome	m	48		
H.	75 x 25mm Architrave with four labours.	m	628		
I.	75 x 25mm Quadrant with four labours.	m	628		
J.	25 x 12mm Glazing beads	m	161		
	<u>Glazing</u>				
K.	8mm Thick georgian wired sheet glass and glazing to timber in panes	m2	34		
				Shs.	
	<u>DOORS</u>				
	<u>ADMINISTRATION BLOCK- LOWER GROUND</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>Supply and fix the following UNION ironmongery or other equal and approved ironmongery complete with all matching screws and keys (Reference to this particular catalogue is given as a guide to type and quality only and equal and approved alternatives may be used)</u>  <u>To Timber:</u>  A. Heavy duty stainless steel hinges with washers ( Elite Catalogue No. 100MM LES- 249)  B. Steel Level door handles oval cylinder (Elite Catalogue No. LES 113)  C. 600 x 400mm diameter stainless steel handles (D2)  D. Master keyed Cylinder Lock 2-way action (Union Catalogue No.2041)  E. Lever Action Flush Bolt (Elite Catalogue No. LES-235)  F. Escutcheon (Elite Catalogue No. LES - 181 over cylinder 50mm diameter clip on cover)  G. Automatic door closer (Catalogue No. 8573)  H. Indicator Bolt (Union Catalogue No. 8094).  I. Coat and hat hook (Ref: CH 8722AS).  J. 1.6 mm thick Aluminium kicking plate - one piece(Catalogue No. 5000)  K. Satin finishes stainless kicking plate : 200mm high (D2)  L. Floor mounted door stop (Elite Catalogue No. LES - 167)  M. Washroom door sign thick with universal "male" or "female" or "disabled"   <u>DOORS</u> <u>ADMINISTRATION BLOCK- LOWER GROUND</u>				
		Prs.	84		
		No.	34		
		No.	4		
		No.	34		
		No.	16		
		Prs.	68		
		No.	40		
		No.	12		
		No.	12		
		No.	12		
		No.	2		
		No.	56		
		No.	14		
				Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Duct door sign overall size 150 x 150 x 1.5mm thick in matt stainless steel	No.	2		
B.	30mm diameter stainless steel PULL handles (D7)	Prs.	2		
	<u>The following work is to be executed by an approved sub-contractor.</u>				
C.	Prepare and apply approved stain, sanding sealer and three coats of 'Crown Paints Solo' or other equal and approved varnish on general surface of timber doors.	m2	270		
D.	Do. <u>but</u> surfaces 100 - 200mm girth.	m	1,779		
				Shs.	
	<u>SECTION A -LOWER GROUND FLOOR</u>				
	<u>DOORS</u>				
	<u>COLLECTION</u>				
	Brought forward from Page No. 2/46				
	" " " " " 2/47				
	" " " " " 2/48				
	" " " " " 2/49				
	<u>TOTAL AMOUNT OF SECTION A CARRIED TO SUMMARY AT END OF ELEMENT G</u>			Shs.	
	<u>DOORS</u>				
	<u>ADMINISTRATION BLOCK- LOWER GROUND</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p align="center"><u>SECTION B -GROUND FLOOR</u></p> <p><u>Note:</u></p> <p><u>The following doors shall conform in every respect with drawings bracketed after every item description and to the entire satisfaction of the Architect.</u></p> <p><u>Aluminium Doors: (All Provisional)</u></p> <p><u>Supply, assemble and fix the following aluminium framed glass doors.</u></p> <p>A Pivoted single leaf swing door size 900 x 2400mm high as before.</p> <p>B Do. but double leaf size 1500 x 2400mm high</p> <p><u>Timber Doors:</u></p> <p><u>50mm thick solid core flush doors with scratch proof laminate (BEECH VENEER) and matching 12.5mm thick hardwood lipping on three sides and post-formed edge on door lock side to Architect's approval</u></p> <p>C Single leaf door: Door size 900 x 2100mm (D6)</p> <p>D Single leaf door: Door size 900 x 3000mm (D1)</p> <p>E Single leaf door: Door size 900 x 3000mm (D3)</p> <p>F Single leaf door: Door size 900 x 3000mm (D5)</p> <p>G Single leaf door: Door size 1000 x 3000mm (D7)</p> <p>H Double leaf door: Door size 1500 x 3000mm (D4)</p> <p><u>DOORS</u></p> <p><u>ADMINISTRATION BLOCK-GROUND FLOOR</u></p>				
				Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A	<u>50mm thick Solid Meru oak or other equal and approved hardwood PANEL doors with 12.5mm thick Meru oak lipping to Arhitect's approval.</u> Double leaf door: Door size 1500 x 3000mm (D2)	No.	8		
B	<u>50mm Thick Solid Meru Oak louvered timber panel to Architect's approval</u> Single leaf door: Door size 900 x 3000mm (D8) <u>Frames and finishings</u> <u>Solid Meru Oak or other equal and approved hardwood timber</u>	No.	6		
C	225 x 50mm Frame with four labours.	m	610		
D	150 x 50mm x 2mm thick Transome	m	92		
E	75 x 25mm Architrave with four labours.	m	1,220		
F	75 x 25mm Quadrant with four labours.	m	1,220		
G	25 x 12mm Glazing beads	m	350		
H	<u>Glazing</u> 8mm Thick georgian wired sheet glass and glazing to timber in panes <u>Supply and fix the following UNION ironmongery as before described</u> <u>To Timber:</u>	m2	70		
I	Heavy duty stainless steel hinges with washers ( Elite Catalogue No. 100MM LES- 249)	Prs.	157		
	<u>DOORS</u> <u>ADMINISTRATION BLOCK-GROUND FLOOR</u>			Shs.	



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Steel Level door handles oval cylinder (Elite Catalogue No. LES 113	Prs.	65		
B.	600 x 400mm diameter stainless steel handles (D2)	Prs.	1		
C.	30mm diameter stainless steel PULL handles (D7)	Prs.	1		
D.	Master keyed Cylinder Lock 2-way action (Union Catalogue No.2041)	No.	73		
E.	Lever Action Flush Bolt (Elite Catalogue No. LES-235)	No.	14		
F.	Escutcheon (Elite Catalogue No. LES - 181 over cylinder 50mm diameter clip on cover)	Prs.	73		
G.	Automatic door closer (Catalogue No. 8573)	No.	75		
H.	Indicator Bolt (Union Catalogue No. 8094).	No.	19		
I.	Coat and hat hook (Ref: CH 8722AS).	No.	19		
J.	1.6 mm thick Aluminium kicking plate - one piece(Catalogue No. 5000)	No.	19		
K.	Satin finishes stainless kicking plate : 200mm high (D2)	No.	2		
L.	Floor mounted door stop (Elite Catalogue No. LES - 167)	No.	106		
M.	Washroom door sign thick with universal "male" or "female" or "disabled"	No.	19		
N.	Duct door sign overall size 150 x 150 x 1.5mm thick in matt stainless steel	No.	6		
	<u>The following work is to be executed by an approved sub-contractor.</u>				
O.	Prepare and apply approved stain, sanding sealer and three coats of 'Crown Paints Solo' or other equal and approved varnish on general surface of timber doors.	m2	520		
P.	Do. <u>but</u> surfaces 100 - 200mm girth.	m	3,492		
				Shs.	
	<u>DOORS</u>				
	<u>ADMINISTRATION BLOCK-GROUND FLOOR</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p><u>SECTION B -GROUND FLOOR</u></p> <p><u>DOORS</u></p> <p><u>COLLECTION</u></p> <p>Brought forward from Page No. 2/50</p> <p>" " " " " 2/51</p> <p>" " " " " 2/52</p> <p><u>TOTAL AMOUNT OF SECTION B CARRIED TO SUMMARY AT END OF ELEMENT G</u></p>				
				Shs.	
	<p><u>DOORS</u></p> <p><u>ADMINISTRATION BLOCK-GROUND FLOOR</u></p> <p><u>COLLECTION</u></p>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p align="center"><u>SECTION C - FIRST FLOOR</u></p> <p><u>Note:</u></p> <p><u>The following doors shall conform in every respect with drawings bracketed after every item description and to the entire satisfaction of the Architect.</u></p> <p><u>Aluminium Doors: (All Provisional)</u></p> <p><u>Supply, assemble and fix the following aluminium framed glass doors.</u></p> <p>A Pivoted single leaf swing door size 900 x 2400mm high as before described</p> <p>B Do. but double leaf size 1500 x 2400mm high</p> <p><u>Timber Doors:</u></p> <p><u>50mm thick solid core flush doors with scratch proof laminate (BEECH VENEER) and matching 12.5mm thick hardwood lipping on three sides and post-formed edge on door lock side to Architect's approval</u></p> <p>C Single leaf door: Door size 900 x 2100mm (D6)</p> <p>D Single leaf door: Door size 900 x 2100mm (D9)</p> <p>E Single leaf door: Door size 900 x 3000mm (D1)</p> <p>F Single leaf door: Door size 900 x 3000mm (D3)</p> <p>G Single leaf door: Door size 900 x 3000mm (D5)</p> <p>H Single leaf door: Door size 1000 x 3000mm (D7)</p> <p>I Double leaf door: Door size 1500 x 3000mm (D4)</p> <p><u>DOORS</u></p> <p><u>ADMINISTRATION BLOCK-FIRST FLOOR</u></p> <p><u>COLLECTION</u></p>				
		No.	26		
		No.	10		
		No.	17		
		No.	2		
		No.	2		
		No.	26		
		No.	15		
		No.	2		
		No.	10		
				Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>50mm thick Solid Meru oak or other equal and approved hardwood PANEL doors with 12.5mm thick Meru oak lipping to Arhitect's approval.</u>				
A	Double leaf door: Door size 1500 x 3000mm (D2)	No.	10		
	<u>50mm Thick Solid Meru Oak louvered timber panel to Architect's approval</u>				
B	Single leaf door: Door size 900 x 3000mm (D8)	No.	2		
	<u>Frames and finishings</u>				
	<u>Solid Meru Oak or other equal and approved hardwood timber</u>				
C	225 x 50mm Frame with four labours.	m	571		
D	150 x 50mm x 2mm thick Transome	m	73		
E	75 x 25mm Architrave with four labours.	m	1,142		
F	75 x 25mm Quadrant with four labours.	m	1,142		
G	25 x 12mm Glazing beads	m	300		
	<u>Glazing</u>				
H	8mm Thick georgian wired sheet glass and glazing to timber in panes	m2	65		
	<u>Supply and fix the following UNION ironmongery or other equal and approved ironmongery complete with all matching screws and keys (Reference to this particular catalogue is given as a guide to type and quality only and equal and approved alternatives may be used)</u>				
	<u>To Timber:</u>				
I	Heavy duty stainless steel hinges with washers ( Elite Catalogue No. 100MM LES- 249)	Prs.	163		
	<u>DOORS</u>			Shs.	
	<u>ADMINISTRATION BLOCK-FIRST FLOOR</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Steel Level door handles oval cylinder (Elite Catalogue No. LES 113	Prs.	55		
B.	600 x 400mm diameter stainless steel handles (D2)	Prs.	1		
C.	30mm diameter stainless steel PULL handles (D7)	Prs.	1		
D.	Master keyed Cylinder Lock 2-way action (Union Catalogue No.2041)	No.	63		
E.	Lever Action Flush Bolt (Elite Catalogue No. LES-235)	No.	20		
F.	Escutcheon (Elite Catalogue No. LES - 181 over cylinder 50mm diameter clip on cover)	Prs.	63		
G.	Automatic door closer (Catalogue No. 8573)	No.	65		
H.	Indicator Bolt (Union Catalogue No. 8094).	No.	21		
I.	Coat and hat hook (Ref: CH 8722AS).	No.	21		
J.	1.6 mm thick Aluminium kicking plate - one piece(Catalogue No. 5000)	No.	19		
K.	Satin finishes stainless kicking plate : 200mm high (D2)	No.	2		
L.	Floor mounted door stop (Elite Catalogue No. LES - 167)	No.	104		
M.	Washroom door sign thick with universal "male" or "female" or "disabled"	No.	19		
N.	Duct door sign overall size 150 x 150 x 1.5mm thick in matt stainless steel	No.	2		
	<u>The following work is to be executed by an approved sub-contractor.</u>				
M	Prepare and apply approved stain, sanding sealer and three coats of 'Crown Paints Solo' or other equal and approved varnish on general surface of timber doors.	m2	507		
N	Do. but surfaces 100 - 200mm girth.	m	3,228		
				Shs.	
	<u>DOORS</u>				
	<u>ADMINISTRATION BLOCK-FIRST FLOOR</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p><u>ELEMENT E</u></p> <p><u>DOORS</u></p> <p><u>COLLECTION</u></p> <p>Brought forward from Page No. 2/54</p> <p>" " " " " 2/55</p> <p>" " " " " 2/56</p> <p><u>TOTAL AMOUNT OF SECTION C CARRIED TO SUMMARY AT END OF ELEMENT G</u></p> <p><u>DOORS</u> <u>ADMINISTRATION BLOCK-FIRST FLOOR</u> <u>COLLECTION</u></p>				
				Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p align="center"><u>SECTION D - SECOND FLOOR</u></p> <p><u>Note:</u></p> <p><u>The following doors shall conform in every respect with drawings bracketed after every item description and to the entire satisfaction of the Architect.</u></p> <p><u>Timber Doors:</u></p> <p><u>50mm thick solid core flush doors with scratch proof laminate (BEECH VENEER) and matching 12.5mm thick hardwood lipping on three sides and post-formed edge on door lock side to Architect's approval</u></p>				
A	Single leaf door: Door size 900 x 2100mm (D6)	No.	17		
B	Single leaf door: Door size 900 x 2100mm (D9)	No.	2		
C	Single leaf door: Door size 900 x 3000mm (D1)	No.	4		
D	Single leaf door: Door size 900 x 3000mm (D3)	No.	7		
E	Single leaf door: Door size 900 x 3000mm (D5)	No.	15		
F	Single leaf door: Door size 1000 x 3000mm (D7)	No.	2		
G	Double leaf door: Door size 1500 x 3000mm (D4)	No.	6		
	<p><u>50mm thick Solid Meru oak or other equal and approved hardwood PANEL doors with 12.5mm thick Meru oak lipping to Arhitect's approval.</u></p>				
H	Double leaf door: Door size 1500 x 3000mm (D2)	No.	3		
	<p><u>50mm Thick Solid Meru Oak louvered timber panel to Architect's approval</u></p>				
I	Single leaf door: Door size 900 x 3000mm (D8)	No.	2		
	<p><u>DOORS</u></p> <p><u>ADMINISTRATION BLOCK-SECOND FLOOR</u></p>			Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>Frames and finishings</u>				
	<u>Solid Meru Oak or other equal and approved hardwood timber</u>				
A	225 x 50mm Frame with four labours.	m	363		
B	150 x 50mm x 2mm thick Transome	m	41		
C	75 x 25mm Architrave with four labours.	m	726		
D	75 x 25mm Quadrant with four labours.	m	726		
E	25 x 12mm Glazing beads	m	186		
	<u>Glazing</u>				
F	8mm Thick georgian wired sheet glass and glazing to timber in panes	m2	37		
	<u>Supply and fix the following UNION ironmongery or other equal and approved ironmongery complete with all matching screws and keys (Reference to this particular catalogue is given as a guide to type and quality only and equal and approved alternatives may be used)</u>				
	<u>To Timber:</u>				
G	Heavy duty stainless steel hinges with washers ( Elite Catalogue No. 100MM LES- 249)	Prs.	108		
H	Steel Level door handles oval cylinder (Elite Catalogue No. LES 113	Prs.	37		
I	600 x 400mm diameter stainless steel handles (D2)	Prs.	1		
J	30mm diameter stainless steel PULL handles (D7)	Prs.	1		
				Shs.	
	<u>DOORS</u>				
	<u>ADMINISTRATION BLOCK-SECOND FLOOR</u>				



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Master keyed Cylinder Lock 2-way action (Union Catalogue No.2041)	No.	35		
B.	Lever Action Flush Bolt (Elite Catalogue No. LES-235)	No.	9		
C.	Escutcheon (Elite Catalogue No. LES - 181 over cylinder 50mm diameter clip on cover)	Prs.	35		
D.	Automatic door closer (Catalogue No. 8573)	No.	35		
E.	Indicator Bolt (Union Catalogue No. 8094).	No.	21		
F.	Coat and hat hook (Ref: CH 8722AS).	No.	21		
G.	1.6 mm thick Aluminium kicking plate - one piece(Catalogue No. 5000)	No.	21		
H.	Satin finishes stainless kicking plate : 200mm high (D2)	No.	3		
I.	Floor mounted door stop (Elite Catalogue No. LES - 167)	No.	58		
J.	Washroom door sign thick with universal "male" or "female" or "disabled"	No.	21		
K.	Duct door sign overall size 150 x 150 x 1.5mm thick in matt stainless steel	No.	2		
	<u>The following work is to be executed by an approved sub-contractor.</u>				
L.	Prepare and apply approved stain, sanding sealer and three coats of 'Crown Paints Solo' or other equal and approved varnish on general surface of timber doors.	m2	316		
M.	Do. but surfaces 100 - 200mm girth.	m	2,042		
				Shs.	
	<u>DOORS</u> <u>ADMINISTRATION BLOCK-SECOND FLOOR</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p><u>ELEMENT E</u></p> <p><u>DOORS</u></p> <p><u>COLLECTION</u></p> <p>Brought forward from Page No. 2/58</p> <p>" " " " " 2/59</p> <p>" " " " " 2/60</p> <p><u>TOTAL AMOUNT OF SECTION D CARRIED TO SUMMARY AT END OF ELEMENT G</u></p> <p><u>DOORS</u></p> <p><u>ADMINISTRATION BLOCK-SECOND FLOOR</u></p> <p><u>COLLECTION</u></p>				
				Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT G</u></p> <p style="text-align: center;"><u>DOORS</u></p> <p style="text-align: center;"><u>COLLECTION</u></p> <p>Section A -Lower Ground Floor</p> <p>Section B - Ground Floor</p> <p>Section C - First Floor</p> <p>Section D- Second Floor</p> <p><u>TOTAL AMOUNT OF ELEMENT G CARRIED TO SUMMARY</u> <u>AT END OF BILL NO. 2</u></p> <p><u>DOORS</u> <u>ADMINISTRATION BLOCK-LGF + GF + 1F + 2F</u> <u>MAIN COLLECTION</u></p>		<p>2/49</p> <p>2/53</p> <p>2/57</p> <p>2/61</p>	Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>ELEMENT H</u>				
	<u>EXTERNAL WALL FINISHES</u>				
	<u>SECTION A -LOWER GROUND FLOOR</u>				
A	20mm Cement and sand (1:4) external rendering on walls finished to receive textured paint	m2	135		
B	Do but finished to receive brick cladding (measured separately) (all provisional)	m2	539		
C	Do but on beam and column areas finished to receive textured paint (measured separately)	m2	556		
	<u>Glitterlite textured finish as manufactured by CONIMIX Ltd available from the Building Centre Kenya Ltd or other equal and approved.</u>				
D	8mm Finish to concrete or masonry work base.	m2	135		
E	Do but on beam and column areas	m2	556		
F	Approved brick cladding to rendered wall on and including 15mm cement and sand (1:3) bedded, jointed and pointed to approval.	m2	539		
	<u>TOTAL AMOUNT OF SECTION A CARRIED TO SUMMARY AT END OF ELEMENT H</u>			Shs.	
	<u>EXTERNAL WALL FINISHES</u>				
	<u>ADMINISTRATION BLOCK-LOWER GROUND</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION B - GROUND FLOOR</u>				
A	20mm Cement and sand (1:4) external rendering on walls finished to receive textured paint	m2	268		
B	Do but finished to receive brick cladding (measured separately) (all provisional)	m2	1,071		
C	Do but on beam and column areas finished to receive textured paint (measured separately)  <u>Glitterlite textured finish as manufactured by CONIMIX Ltd available from the Building Centre Kenya Ltd or other equal and approved.</u>	m2	767		
D	8mm Finish to concrete or masonry work base.	m2	268		
E	Do but on beam and column areas	m2	767		
F	Approved brick cladding to rendered wall on and including 15mm cement and sand (1:3) bedded, jointed and pointed to approval.	m2	1,071		
	<u>TOTAL AMOUNT OF SECTION B CARRIED TO SUMMARY AT END OF ELEMENT H</u>			Shs.	
	<u>EXTERNAL WALL FINISHES</u> <u>ADMINISTRATION BLOCK-GROUND FLOOR</u> <u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION C - FIRST FLOOR</u>				
A	20mm Cement and sand (1:4) external rendering on walls finished to receive textured paint	m2	269		
B	Do but finished to receive brick cladding (measured separately) (all provisional)	m2	1,075		
C	Do but on beam and column areas finished to receive textured paint (measured separately)  <u>Glitterlite textured finish as manufactured by CONIMIX Ltd available from the Building Centre Kenya Ltd or other equal and approved.</u>	m2	767		
D	8mm Finish to concrete or masonry work base.	m2	269		
E	Do but on beam and column areas	m2	767		
F	Approved brick cladding to rendered wall on and including 15mm cement and sand (1:3) bedded, jointed and pointed to approval.	m2	1,075		
	<u>TOTAL AMOUNT OF SECTION C CARRIED TO SUMMARY AT END OF ELEMENT H</u>			Shs.	
	<u>EXTERNAL WALL FINISHES</u> <u>ADMINISTRATION BLOCK-FIRST FLOOR</u> <u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION D - SECOND FLOOR</u>				
A	20mm Cement and sand (1:4) external rendering on walls finished to receive textured paint	m2	665		
B	Do but finished to receive brick cladding (measured separately) (all provisional)	m2	81		
C	Do but on beam and column areas finished to receive textured paint (measured separately)  <u>Glitterlite textured finish as manufactured by CONIMIX Ltd available from the Building Centre Kenya Ltd or other equal and approved.</u>	m2	415		
D	8mm Finish to concrete or masonry work base.	m2	665		
E	Do but on beam and column areas	m2	415		
F	Approved brick cladding to rendered wall on and including 15mm cement and sand (1:3) bedded, jointed and pointed to approval.  <u>Sun shading Fins</u>	m2	81		
G	300mm thick V-shaped vertical precast concrete fins, spanning average 2000mm Wide by 14000mm High, finished to Architect specifications (12 No.)	No.	12		
H	300mm thick V-shaped vertical precast concrete shading fins, spanning average 2000mm Wide by 8500mm High, finished to Architect specifications (15 No.)	No.	15		
	<u>TOTAL AMOUNT OF SECTION D CARRIED TO SUMMARY AT END OF ELEMENT H</u>			Shs.	
	<u>EXTERNAL WALL FINISHES</u> <u>ADMINISTRATION BLOCK-SECOND FLOOR</u> <u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p><u>ELEMENT H</u></p> <p><u>EXTERNAL WALL FINISHES</u></p> <p><u>COLLECTION</u></p> <p>Section A -Lower Ground Floor</p> <p>Section B - Ground Floor</p> <p>Section C - First Floor</p> <p>Section D- Second Floor</p> <p><u>TOTAL AMOUNT OF ELEMENT H CARRIED TO SUMMARY</u> <u>AT END OF BILL NO. 2</u></p> <p><u>EXTERNAL WALL FINISHES</u> <u>ADMINISTRATION BLOCK-LG + GF + 1F + 2F</u> <u>MAIN COLLECTION</u></p>		<p>2/63</p> <p>2/64</p> <p>2/65</p> <p>2/66</p>	Shs.	



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT I</u></p> <p style="text-align: center;"><u>INTERNAL WALL FINISHES</u></p> <p style="text-align: center;"><u>SECTION A -LOWER GROUND FLOOR</u></p> <p>A. 12mm Two coat internal plaster on walls finished smooth with a steel trowel.</p> <p>B. Do. but finished to receive granito tiles.</p> <p>C. 450 x 150 x 7mm Coloured glazed granito tiles fixed on backing plaster (measured separately) with an approved adhesive and jointed and flush pointed with grouting to match tile.</p> <p>D. Extra for approved plastic tile edging clip <u>(Provisional)</u>.</p> <p><u>The whole of the following work is to be executed by an approved Sub-Contractor.</u></p> <p>E. Prepare and apply one undercoat and two finishing coats of ' Crown Paints Solo' or other equal and approved silk vinyl emulsion paint on plastered walls internally</p> <p><u>TOTAL AMOUNT OF SECTION A CARRIED TO SUMMARY AT END OF ELEMENT I</u></p> <p><u>INTERNAL WALL FINISHES</u> <u>ADMINISTRATION BLOCK-LOWER GROUND</u> <u>COLLECTION</u></p>	<p>m2</p> <p>m2</p> <p>m2</p> <p>m</p> <p>m2</p>	<p>1,384</p> <p>200</p> <p>200</p> <p>60</p> <p>1,384</p>	<p></p> <p></p> <p></p> <p></p> <p></p> <p>Shs.</p>	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION B - GROUND FLOOR</u>				
A.	12mm Two coat internal plaster on walls finished smooth with a steel trowel.	m2	3,129		
B.	Do. but finished to receive granito tiles.	m2	469		
C.	450 x 150 x 7mm Coloured glazed granito tiles fixed on backing plaster (measured separately) with an approved adhesive and jointed and flush pointed with grouting to match tile.	m2	469		
D.	Extra for approved plastic tile edging clip ( <u>Provisional</u> ).	m	114		
	<u>The whole of the following work is to be executed by an approved Sub-Contractor.</u>				
E.	Prepare and apply one undercoat and two finishing coats of ' Crown Paints Solo' or other equal and approved silk vinyl emulsion paint on plastered walls internally	m2	3,129		
	<u>TOTAL AMOUNT OF SECTION B CARRIED TO SUMMARY AT END OF ELEMENT I</u>			Shs.	
	<u>INTERNAL WALL FINISHES</u>				
	<u>ADMINISTRATION BLOCK- GROUND FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION C - FIRST FLOOR</u>				
A.	12mm Two coat internal plaster on walls finished smooth with a steel trowel.	m2	3,635		
B.	Do. but finished to receive granito tiles.	m2	484		
C.	450 x 150 x 7mm Coloured glazed granito tiles fixed on backing plaster (measured separately) with an approved adhesive and jointed and flush pointed with grouting to match tile.	m2	484		
D.	Extra for approved plastic tile edging clip <u>(Provisional)</u> .	m	115		
	<u>The whole of the following work is to be executed by an approved Sub-Contractor.</u>				
E.	Prepare and apply one undercoat and two finishing coats of ' Crown Paints Solo' or other equal and approved silk vinyl emulsion paint on plastered walls internally	m2	3,635		
	<u>Acoustic Wall Treatment</u>				
F.	50mm Thick foam or other equal and approved acoustic material fixed to plastered concrete or masonry wall and the acoustic material covered with and including heavy duty vinyl cover all in accordance with the manufacturer's printed specifications and to the Architect's approval.	m2	300		
	<u>TOTAL AMOUNT OF SECTION C CARRIED TO SUMMARY AT END OF ELEMENT I</u>			Shs.	
	<u>INTERNAL WALL FINISHES</u>				
	<u>ADMINISTRATION BLOCK- FIRST FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION D- SECOND FLOOR</u>				
A.	12mm Two coat internal plaster on walls finished smooth with a steel trowel.	m2	2,685		
B.	Do. but finished to receive granito tiles.	m2	484		
C.	450 x 150 x 7mm Coloured glazed granito tiles fixed on backing plaster (measured separately) with an approved adhesive and jointed and flush pointed with grouting to match tile.	m2	484		
D.	Extra for approved plastic tile edging clip <u>(Provisional)</u> .	m	114		
	<u>The whole of the following work is to be executed by an approved Sub-Contractor.</u>				
E.	Prepare and apply one undercoat and two finishing coats of ' Crown Paints Solo' or other equal and approved silk vinyl emulsion paint on plastered walls internally	m2	2,685		
	<u>TOTAL AMOUNT OF SECTION D CARRIED TO SUMMARY AT END OF ELEMENT I</u>			Shs.	
	<u>INTERNAL WALL FINISHES</u> <u>ADMINISTRATION BLOCK- SECOND FLOOR</u> <u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT I</u></p> <p style="text-align: center;"><u>INTERNAL WALL FINISHES</u></p> <p style="text-align: center;"><u>COLLECTION</u></p> <p>Section A -Lower Ground Floor</p> <p>Section B - Ground Floor</p> <p>Section C - First Floor</p> <p>Section D- Second Floor</p> <p><u>TOTAL AMOUNT OF ELEMENT I CARRIED TO SUMMARY</u> <u>AT END OF BILL NO. 2</u></p> <p><u>INTERNAL WALL FINISHES</u> <u>ADMINISTRATION BLOCK- LG + GF + 1F + 2F</u> <u>MAIN COLLECTION</u></p>		<p>2/68</p> <p>2/69</p> <p>2/70</p> <p>2/71</p>	Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT J</u></p> <p style="text-align: center;"><u>FLOOR FINISHES</u></p> <p style="text-align: center;"><u>SECTION A -LOWER GROUND FLOOR</u></p> <p><u>600 x 600 x 6mm granito tiles fixed on screed backing (measured separately) with an approved adhesive jointed and flush pointed with grouting to match tile.</u></p>				
A	Non-slip floor tiling.	m2	874		
B	100mm High chamfered skirting	m	246		
C	100 x 25mm approved hardwood skirting.	m	275		
	<u>Cement and sand (1:3) beds and backings</u>				
D	42mm Thick backing on concrete finished to receive granito tiles (measured separately).	m2	874		
	<u>TOTAL AMOUNT OF SECTION A CARRIED TO SUMMARY AT END OF ELEMENT J</u>			Shs.	
	<p><u>FLOOR FINISHES</u></p> <p><u>ADMINISTRATION BLOCK- LOWER GROUND</u></p> <p><u>COLLECTION</u></p>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION B - GROUND FLOOR</u>				
	<u>600 x 600 x 6mm granito tiles fixed on screed backing (measured separately) with an approved adhesive jointed and flush pointed with grouting to match tile.</u>				
A	Non-slip floor tiling.	m2	2,546		
B	100mm High chamfered skirting	m	443		
C	100 x 25mm approved hardwood skirting.	m	888		
	<u>Cement and sand (1:3) beds and backings</u>				
D	42mm Thick backing on concrete finished to receive granito tiles (measured separately).	m2	2,546		
	<u>TOTAL AMOUNT OF SECTION B CARRIED TO SUMMARY AT END OF ELEMENT J</u>			Shs.	
	<u>FLOOR FINISHES</u>				
	<u>ADMINISTRATION BLOCK- GROUND FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION C- FIRST FLOOR</u>				
A	Approved timber laminate flooring as Lamette series fixed to backing screed (measured separately) in accordance with the manufacturer's printed specifications	m2	343		
	<u>600 x 600 x 6mm granito tiles fixed on screed backing (measured separately) with an approved adhesive jointed and flush pointed with grouting to match tile.</u>				
B	Non-slip floor tiling.	m2	2,293		
C	100mm High chamfered skirting	m	410		
D	100 x 25mm approved hardwood skirting.	m	1,258		
	<u>Cement and sand (1:3) beds and backings</u>				
E	42mm Thick backing on concrete finished to receive granito tiles (measured separately).	m2	2,293		
F	42mm Thick backing on concrete finished to receive timber laminate finish (measured separately).	m2	343		
G.	Prepare and apply one coat of approved stain and two coats of 'Crown Paints' or other equal and approved polyurethane matt varnish on general surfaces of woodwork internally to be executed by an approved Sub-Contractor.	m2	343		
H.	Do. <u>but</u> surfaces 100-200mm girth internally	m	1,258		
	<u>TOTAL AMOUNT OF SECTION C CARRIED TO SUMMARY AT END OF ELEMENT J</u>			Shs.	
	<u>FLOOR FINISHES</u>				
	<u>ADMINISTRATION BLOCK- FIRST FLOOR</u>				
	<u>COLLECTION</u>				



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION D - SECOND FLOOR</u>				
A	Approved timber laminate flooring as Lamette series fixed to backing screed (measured separately) in accordance with the manufacturer's printed specifications	m2	157		
	<u>600 x 600 x 6mm granito tiles fixed on screed backing (measured separately) with an approved adhesive jointed and flush pointed with grouting to match tile.</u>				
B	Non-slip floor tiling.	m2	1,118		
C	100mm High chamfered skirting	m	302		
D	100 x 25mm approved hardwood skirting.	m	835		
	<u>Cement and sand (1:3) beds and backings</u>				
E	42mm Thick backing on concrete finished to receive granito tiles (measured separately).	m2	1,118		
F	42mm Thick backing on concrete finished to receive timber laminate finish (measured separately).	m2	157		
G.	Prepare and apply one coat of approved stain and two coats of 'Crown Paints' or other equal and approved polyurethane matt varnish on general surfaces of woodwork internally to be executed by an approved Sub-Contractor.	m2	157		
H.	Do. <u>but</u> surfaces 100-200mm girth internally	m	835		
	<u>TOTAL AMOUNT OF SECTION D CARRIED TO SUMMARY AT END OF ELEMENT J</u>			Shs.	
	<u>FLOOR FINISHES</u>				
	<u>ADMINISTRATION BLOCK- SECOND FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p><u>ELEMENT J</u></p> <p><u>FLOOR FINISHES</u></p> <p><u>COLLECTION</u></p> <p>Section A -Lower Ground Floor</p> <p>Section B - Ground Floor</p> <p>Section C - First Floor</p> <p>Section D- Second Floor</p> <p><u>TOTAL AMOUNT OF ELEMENT J CARRIED TO SUMMARY AT END OF BILL NO. 2</u></p> <p><u>FLOOR FINISHES</u></p> <p><u>ADMINISTRATION BLOCK- LG + GF + 1F + 2F</u></p> <p><u>MAIN COLLECTION</u></p>		<p>2/73</p> <p>2/74</p> <p>2/75</p> <p>2/76</p>	Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT K</u></p> <p style="text-align: center;"><u>CEILING FINISHES</u></p> <p style="text-align: center;"><u>SECTION A -LOWER GROUND FLOOR</u></p>				
A.	12mm Two coat internal lime plaster on concrete soffits finished smooth with a steel trowel (Along corridors)	m2	506		
	<u>The whole of the following work is to be executed by an approved Sub-Contractor.</u>				
B.	Prepare and apply one undercoat and two finishing coats of 'Crown Paints Solo' or other equal and approved plastic emulsion paint on plastered concrete soffits internally.	m2	506		
	<u>600 x 600mm Approved Armstrong fine fissured or other equal and approved lay in grid acoustic tile suspended ceiling on and including 'Trulock 21' exposed grid suspension system with 24mm wide sections complete with hangers at approved positions from concrete soffits strictly in accordance with the manufacturer's printed specifications.</u>				
C	Offices	m2	315		
D	Washroom (Ladies and Gents)	m2	51		
E	Cleaners Store	m2	2		
	<u>TOTAL AMOUNT OF SECTION A CARRIED TO SUMMARY AT END OF ELEMENT K</u>			Shs.	
	<u>CEILING FINISHES</u>				
	<u>ADMINISTRATION BLOCK- LOWER GROUND</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION B - GROUND FLOOR</u>				
A.	12mm Two coat internal lime plaster on concrete soffits finished smooth with a steel trowel (Along corridors)	m2	1,417		
	<u>The whole of the following work is to be executed by an approved Sub-Contractor.</u>				
B.	Prepare and apply one undercoat and two finishing coats of 'Crown Paints Solo' or other equal and approved plastic emulsion paint on plastered concrete soffits internally.	m2	1,417		
	<u>600 x 600mm Approved Armstrong fine fissured or other equal and approved lay in grid acoustic tile suspended ceiling on and including 'Trulock 21' exposed grid suspension system with 24mm wide sections complete with hangers at approved positions from concrete soffits strictly in accordance with the manufacturer's printed specifications.</u>				
C	Offices	m2	897		
D	Boardroom	m2	125		
D	Washroom (Ladies and Gents)	m2	92		
E	Cleaners Store	m2	15		
	<u>TOTAL AMOUNT OF SECTION B CARRIED TO SUMMARY AT END OF ELEMENT K</u>			Shs.	
	<u>CEILING FINISHES</u>				
	<u>ADMINISTRATION BLOCK- GROUND FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION C - FIRST FLOOR</u>				
A.	12mm Two coat internal lime plaster on concrete soffits finished smooth with a steel trowel (Along corridors)	m2	842		
	<u>The whole of the following work is to be executed by an approved Sub-Contractor.</u>				
B.	Prepare and apply one undercoat and two finishing coats of 'Crown Paints Solo' or other equal and approved plastic emulsion paint on plastered concrete soffits internally.	m2	842		
	<u>600 x 600mm Approved Armstrong fine fissured or other equal and approved lay in grid acoustic tile suspended ceiling on and including 'Trulock 21' exposed grid suspension system with 24mm wide sections complete with hangers at approved positions from concrete soffits strictly in accordance with the manufacturer's printed specifications.</u>				
C	Offices	m2	1,223		
D	Boardroom	m2	139		
E	Strong room	m2	10		
F	Washroom (Ladies and Gents)	m2	194		
G	Cleaners Store	m2	17		
H	Senate Chambers	m2	210		
	<u>TOTAL AMOUNT OF SECTION C CARRIED TO SUMMARY AT END OF ELEMENT K</u>			Shs.	
	<u>CEILING FINISHES</u>				
	<u>ADMINISTRATION BLOCK- FIRST FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION D- SECOND FLOOR</u>				
A.	Approved T&G timber ceiling to Architect's approval(Along corridors)	m2	842		
	<u>600 x 600mm Approved Armstrong fine fissured or other equal and approved lay in grid acoustic tile suspended ceiling on and including 'Trulock 21' exposed grid suspension system with 24mm wide sections complete with hangers at approved positions from concrete soffits strictly in accordance with the manufacturer's printed specifications.</u>				
B	Offices	m2	637		
C	Boardroom	m2	157		
D	Strong room	m2	10		
E	Washroom (Ladies and Gents)	m2	147		
F	Cleaners Store	m2	17		
G	Chancellors office	m2	46		
H	Chairman of council	m2	45		
	<u>TOTAL AMOUNT OF SECTION D CARRIED TO SUMMARY AT END OF ELEMENT K</u>			Shs.	
	<u>CEILING FINISHES</u>				
	<u>ADMINISTRATION BLOCK- SECOND FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p><u>ELEMENT K</u></p> <p><u>CEILING FINISHES</u></p> <p><u>COLLECTION</u></p> <p>Section A -Lower Ground Floor</p> <p>Section B - Ground Floor</p> <p>Section C - First Floor</p> <p>Section D- Second Floor</p> <p><u>TOTAL AMOUNT OF ELEMENT K CARRIED TO SUMMARY AT END OF BILL NO. 2</u></p> <p><u>CEILING FINISHES</u> <u>ADMINISTRATION BLOCK- LG + GF + 1F + 2F</u> <u>MAIN COLLECTION</u></p>		<p>2/78</p> <p>2/79</p> <p>2/80</p> <p>2/81</p>	Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>ELEMENT L</u>				
	<u>STAIRCASE FINISHES</u>				
	<u>SECTION A -LOWER GROUND FLOOR</u>				
A	30mm Thick cement and sand (1:3) screed finished to receive terrazzo paving.  <u>Polished Terrazo paving: first coat of cement sand (1:3), second coat of white cement and approved granite chips (1:3); on and including white plastic dividing strips set flush in:</u>	m2	481		
B	Landing: 50mm thick: machine grind, waxed and polished to approval	m2	46		
C	Treads: 250mm wide: machine grind/hand grind, waxed and polished to approval	m	276		
D	Risers: 150mm high: hand grind, waxed and polished to approval	m	299		
E	Skirtings to tread/riser profile : 100mm high: hand grind, apply wax and polish to approval	m	91		
F	Extra over Carborundum Non-slip washed terrazo insert in treads 30mm wide	m	276		
	<u>TOTAL AMOUNT OF SECTION A CARRIED TO SUMMARY AT END OF ELEMENT L</u>			Shs.	
	<u>STAIRCASE FINISHES</u>				
	<u>ADMINISTRATION BLOCK- LOWER GROUND</u>				
	<u>COLLECTION</u>				



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<b><u>SECTION B - GROUND FLOOR</u></b>				
A.	12mm Two coat internal plaster on concrete soffits finished smooth with a steel trowel.	m2	22		
B.	Do. <u>but</u> sloping (staircase)	m2	39		
C.	Do. <u>but</u> sloping (ramp)	m2	66		
D.	30mm Thick cement and sand (1:3) screed finished to receive terrazzo paving on landings	m2	22		
E.	Do. but sloping (ramp)	m2	66		
	<u>Polished Terrazo paving: first coat of cement sand (1:3), second coat of white cement and approved granite chips (1:3); on and including white plastic dividing strips set flush in:</u>				
F.	Landing: 50mm thick: machine grind, waxed and polished to approval	m2	22		
G.	Ramp: 50mm thick: machine grind, waxed and polished to approval	m2	66		
H.	Treads: 250mm wide: machine grind/hand grind, waxed and polished to approval	m	130		
I.	Risers: 160mm high: hand grind, waxed and polished to approval	m	134		
J.	Skirtings to tread/riser profile : 100mm high: hand grind, apply wax and polish to approval	m	17		
K.	Extra over Carborundum Non-slip washed terrazo insert in treads 30mm wide	m	134		
				Shs.	
	<b><u>STAIRCASE FINISHES</u></b>				
	<b><u>ADMINISTRATION BLOCK- GROUND FLOOR</u></b>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>The whole of the following work is to be executed by an approved sub-contractor.</u>				
A.	Prepare and apply one undercoat and two finishing coats of 'Crown Paints Solo' silk sheen or other equal and approved emulsion paint on plastered soffits	m2	127		
	<u>Approved stainless steel balustrading</u>				
B.	Stainless steel stair rail; 900mm high including 35mm Diameter x 1.5mm thick polished stainless steel circular hollow section handrail with 90 degrees bend at appropriate joints , 50mm diameter x 1.5mm thick polished stainless steel circular hollow section balusters at 1200mm centers, 16mm Diameter stainless steel rods as intermediate members connected to handrail and balusters	m	68		
C.	Do. But to ramp	m	64		
				Shs.	
	<u>SECTION B - GROUND FLOOR</u>				
	<u>STAIRCASE FINISHES</u>				
	<u>COLLECTION</u>				
	Brought forward from Page No. 2/84				
	" " " " " 2/85				
	<u>TOTAL AMOUNT OF SECTION B CARRIED TO SUMMARY AT END OF ELEMENT L</u>				
	<u>STAIRCASE FINISHES</u>				
	<u>ADMINISTRATION BLOCK- GROUND FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION C - FIRST FLOOR</u>				
A.	12mm Two coat internal plaster on concrete soffits finished smooth with a steel trowel.	m2	22		
B.	Do. <u>but</u> sloping (staircase)	m2	39		
C.	Do. <u>but</u> sloping (ramp)	m2	66		
D.	30mm Thick cement and sand (1:3) screed finished to receive terrazzo paving on landings	m2	22		
E.	Do. but sloping (ramp)	m2	66		
	<u>Polished Terrazo paving: first coat of cement sand (1:3), second coat of white cement and approved granite chips (1:3); on and including white plastic dividing strips set flush in:</u>				
F.	Landing: 50mm thick: machine grind, waxed and polished to approval	m2	22		
G.	Ramp: 50mm thick: machine grind, waxed and polished to approval	m2	66		
H.	Treads: 250mm wide: machine grind/hand grind, waxed and polished to approval	m	110		
I.	Risers: 160mm high: hand grind, waxed and polished to approval	m	115		
J.	Skirtings to tread/riser profile : 100mm high: hand grind, apply wax and polish to approval	m	14		
K.	Extra over Carborundum Non-slip washed terrazo insert in treads 30mm wide	m	115		
				Shs.	
	<u>STAIRCASE FINISHES</u>				
	<u>ADMINISTRATION BLOCK- FIRST FLOOR</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>The whole of the following work is to be executed by an approved sub-contractor.</u>				
A.	Prepare and apply one undercoat and two finishing coats of 'Crown Paints Solo' silk sheen or other equal and approved emulsion paint on plastered soffits	m2	127		
	<u>Approved stainless steel balustrading</u>				
B.	Stainless steel stair rail; 900mm high as before described	m	68		
C.	Ditto but to ramp	m	64		
D.	Approved stainless steel guard rails fixed to walls	m	160		
				Shs.	
	<u>SECTION C - FIRST FLOOR</u>				
	<u>STAIRCASE FINISHES</u>				
	<u>COLLECTION</u>				
	Brought forward from Page No. 2/86				
	" " " " " 2/87				
	<u>TOTAL AMOUNT OF SECTION C CARRIED TO SUMMARY AT END OF ELEMENT L</u>			Shs.	
	<u>STAIRCASE FINISHES</u>				
	<u>ADMINISTRATION BLOCK- FIRST FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	<u>SECTION D - SECOND FLOOR</u>	m	156	Shs.	
	<u>Guard Railings</u>				
	Approved stainless steel guard rails fixed to walls				
	<u>TOTAL AMOUNT OF SECTION D CARRIED TO SUMMARY AT END OF ELEMENT L</u>				
	<u>STAIRCASE FINISHES</u>				
	<u>ADMINISTRATION BLOCK- SECOND FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p><u>ELEMENT L</u></p> <p><u>STAIRCASE FINISHES</u></p> <p><u>COLLECTION</u></p> <p>Section A -Lower Ground Floor</p> <p>Section B - Ground Floor</p> <p>Section C - First Floor</p> <p>Section D- Second Floor</p> <p><u>TOTAL AMOUNT OF ELEMENT L CARRIED TO SUMMARY</u> <u>AT END OF BILL NO. 2</u></p> <p><u>STAIRCASE FINISHES</u> <u>ADMINISTRATION BLOCK- LG + GF + 1F + 2F</u> <u>MAIN COLLECTION</u></p>		<p>2/83</p> <p>2/85</p> <p>2/87</p> <p>2/88</p>	Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT M</u></p> <p style="text-align: center;"><u>JOINERY FITTINGS AND FIXTURES</u></p> <p style="text-align: center;"><u>SECTION A -LOWER GROUND FLOOR</u></p> <p><u>Lockable Shelves</u></p> <p>A Medium Density Fiber Board (MDF) Shelving with and including steel supports screwed and plugged to masonry wall, 18mm Thick shelves and partitions with Espresso (PG Bison) laminate, 18mm Thick back and doors with approved Espresso (PG Bison) scratch proof, 18 x 2mm PVC high impact edging strip to match timber and all necessary accessories to match Architect's approval</p> <p style="text-align: right;">m 84</p> <p><u>The following in Vanity Tops (3 No. in Washrooms)</u></p> <p>B 75mm Thick vibrated reinforced concrete (Class 25) tops</p> <p style="text-align: right;">m2 12</p> <p>C BRC A98 Fabric mesh reinforcement to B.S. 4483 including setting in worktops</p> <p style="text-align: right;">m2 12</p> <p>D Marineply formwork to soffits of vanity tops</p> <p style="text-align: right;">m2 12</p> <p>E Marineply formwork to edges of suspended worktops over 75mm but not exceeding 150mm high</p> <p style="text-align: right;">m2 20</p> <p>F Temporary boxing to form rebated oval, square or rectangular wash hand basin</p> <p style="text-align: right;">No. 12</p> <p>G Plaster: 9mm first coat of cement/lime putty/sand (1:2:9): 4 mm second coat of cement/lime putty/sand (1:1:6): steel trowelled to soffit of vanity top</p> <p style="text-align: right;">m2 12</p> <p>H Prepare and apply one undercoat and three finishing coat of emulsion paint to soffits</p> <p style="text-align: right;">m2 12</p> <p style="text-align: right;">Shs.</p> <p><u>JOINERY FITTINGS AND FIXTURES</u></p> <p><u>ADMINISTRATION BLOCK- LOWER GROUND COLLECTION</u></p>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A	Cement sand (1:4) screed backing to worktop to receive granite top (m.s)	m2	12		
B	Supply and fix granite slab on prepared cement backing (m.s): grouted and pointed in approved adhesive to vanity top	m2	12		
C	Extra over cutting granite tops for wash hand basin: seal all round with silicon or equal thereafter	No.	12		
D	Extra over polished and rounded edges to granite slabs	m	29		
E	Cement sand (1:4) screed backing in fascia to receive granite	m	20		
F	Supply and fix granite fascia on prepared cement backing (m.s): grouted and pointed in approved adhesive; 75 mm high	m	20		
				Shs.	
	<u>SECTION A -LOWER GROUND FLOOR</u>				
	<u>JOINERY FITTINGS AND FIXTURES</u>				
	<u>COLLECTION</u>				
	" " " " " 2/90				
	" " " " " 2/91				
	<u>TOTAL AMOUNT OF SECTION A CARRIED TO SUMMARY AT END OF ELEMENT M</u>			Shs.	
	<u>JOINERY FITTINGS AND FIXTURES</u>				
	<u>ADMINISTRATION BLOCK- LOWER GROUND</u>				
	<u>COLLECTION</u>				



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION B -GROUND FLOOR</u>				
	<u>Lockable Shelves</u>				
A	Medium Density Fiber Board (MDF) Shelving with and including steel supports screwed and plugged to masonry wall, 18mm Thick shelves and partitions with Espresso (PG Bison) laminate, 18mm Thick back and doors with approved Espresso (PG Bison) scratch proof, 18 x 2mm PVC high impact edging strip to match timber and all necessary accessories to match Architect's approval	m	276		
	<u>The following in Vanity Tops (7 No. in Washrooms)</u>				
B	75mm Thick vibrated reinforced concrete (Class 25) tops	m2	24		
C	BRC A98 Fabric mesh reinforcement to B.S. 4483 including setting in worktops	m2	24		
D	Marineply formwork to soffits of vanity tops	m2	24		
E	Marineply formwork to edges of suspended worktops over 75mm but not exceeding 150mm high	m	30		
F	Temporary boxing to form rebated oval, square or rectangular wash hand basin	No.	16		
G	Plaster: 9mm first coat of cement/lime putty/sand (1:2:9): 4 mm second coat of cement/lime putty/sand (1:1:6): steel trowelled to soffit of vanity top	m2	24		
H	Prepare and apply one undercoat and three finishing coat of emulsion paint to soffits	m2	24		
I	Cement sand (1:4) screed backing to worktop to receive granite top (m.s)	m2	24		
				Shs.	
	<u>JOINERY FITTINGS AND FIXTURES</u>				
	<u>ADMINISTRATION BLOCK- GROUND FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Supply and fix granite slab on prepared cement backing (m.s): grouted and pointed in approved adhesive to vanity top	m2	24	Shs.	
B.	Extra over cutting granite tops for wash hand basin: seal all round with silicon or equal thereafter	No.	16		
C.	Extra over polished and rounded edges to granite slabs	m	30		
D.	Cement sand (1:4) screed backing in fascia to receive granite	m	30		
E.	Supply and fix granite fascia on prepared cement backing (m.s): grouted and pointed in approved adhesive; 75 mm high	m	30		
<div>SECTION B -GROUND FLOOR</div> <div>JOINERY FITTINGS AND FIXTURES</div> <div>COLLECTION</div> <div>" " " " " 2/92</div> <div>" " " " " 2/93</div>					
<div>TOTAL AMOUNT OF SECTION B CARRIED TO SUMMARY AT END OF ELEMENT M</div>					Shs.
<div>JOINERY FITTINGS AND FIXTURES</div> <div>ADMINISTRATION BLOCK- GROUND FLOOR</div> <div>COLLECTION</div>					

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION C - FIRST FLOOR</u>				
	<u>Lockable Shelves</u>				
A	Medium Density Fiber Board (MDF) Shelving with and including steel supports screwed and plugged to masonry wall, 18mm Thick shelves and partitions with Espresso (PG Bison) laminate, 18mm Thick back and doors with approved Espresso (PG Bison) scratch proof, 18 x 2mm PVC high impact edging strip to match timber and all necessary accessories to match Architect's approval	m	276		
	<u>The following in Vanity Tops (7 No. in Washrooms)</u>				
B	75mm Thick vibrated reinforced concrete (Class 25) tops	m2	24		
C	BRC A98 Fabric mesh reinforcement to B.S. 4483 including setting in worktops	m2	24		
D	Marineply formwork to soffits of vanity tops	m2	24		
E	Marineply formwork to edges of suspended worktops over 75mm but not exceeding 150mm high	m	30		
F	Temporary boxing to form rebated oval, square or rectangular wash hand basin	No.	16		
G	Plaster: 9mm first coat of cement/lime putty/sand (1:2:9): 4 mm second coat of cement/lime putty/sand (1:1:6): steel trowelled to soffit of vanity top	m2	24		
H	Prepare and apply one undercoat and three finishing coat of emulsion paint to soffits	m2	24		
I	Cement sand (1:4) screed backing to worktop to receive granite top (m.s)	m2	24		
J	Supply and fix granite slab on prepared cement backing (m.s): grouted and pointed in approved adhesive to vanity top	m2	24		
				Shs.	
	<u>JOINERY FITTINGS AND FIXTURES</u>				
	<u>ADMINISTRATION BLOCK- FIRST FLOOR</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Extra over cutting granite tops for wash hand basin: seal all round with silicon or equal thereafter	No.	16		
B.	Extra over polished and rounded edges to granite slabs	m	30		
C.	Cement sand (1:4) screed backing in fascia to receive granite	m	30		
D.	Supply and fix granite fascia on prepared cement backing (m.s): grouted and pointed in approved adhesive; 75 mm high	m	30		
	<u>TOTAL AMOUNT OF SECTION C CARRIED TO SUMMARY AT END OF ELEMENT M</u>			Shs.	
	<u>SECTION C - FIRST FLOOR</u>				
	<u>JOINERY FITTINGS AND FIXTURES</u>				
	<u>COLLECTION</u>				
	" " " " " 2/94				
	" " " " " 2/95				
	<u>TOTAL AMOUNT OF SECTION C CARRIED TO SUMMARY AT END OF ELEMENT M</u>			Shs.	
	<u>JOINERY FITTINGS AND FIXTURES</u>				
	<u>ADMINISTRATION BLOCK- FIRST FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION D - SECOND FLOOR</u>				
	<u>Lockable Shelves</u>				
A	Medium Density Fiber Board (MDF) Shelving with and including steel supports screwed and plugged to masonry wall, 18mm Thick shelves and partitions with Espresso (PG Bison) laminate, 18mm Thick back and doors with approved Espresso (PG Bison) scratch proof, 18 x 2mm PVC high impact edging strip to match timber and all necessary accessories to match Architect's approval	m	108		
	<u>The following in Vanity Tops (7 No. in Washrooms)</u>				
B	75mm Thick vibrated reinforced concrete (Class 25) tops	m2	24		
C	BRC A98 Fabric mesh reinforcement to B.S. 4483 including setting in worktops	m2	24		
D	Marineply formwork to soffits of vanity tops	m2	24		
E	Marineply formwork to edges of suspended worktops over 75mm but not exceeding 150mm high	m	30		
F	Temporary boxing to form rebated oval, square or rectangular wash hand basin	No.	16		
G	Plaster: 9mm first coat of cement/lime putty/sand (1:2:9): 4 mm second coat of cement/lime putty/sand (1:1:6): steel trowelled to soffit of vanity top	m2	24		
H	Prepare and apply one undercoat and three finishing coat of emulsion paint to soffits	m2	24		
I	Cement sand (1:4) screed backing to worktop to receive granite top (m.s)	m2	24		
J	Supply and fix granite slab on prepared cement backing (m.s): grouted and pointed in approved adhesive to vanity top	m2	24		
				Shs.	
	<u>JOINERY FITTINGS AND FIXTURES</u>				
	<u>ADMINISTRATION BLOCK- SECOND FLOOR</u>				



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p><u>ELEMENT M</u></p> <p><u>JOINERY FITTINGS AND FIXTURES</u></p> <p><u>COLLECTION</u></p> <p>Section A -Lower Ground Floor</p> <p>Section B - Ground Floor</p> <p>Section C - First Floor</p> <p>Section D- Second Floor</p> <p><u>TOTAL AMOUNT OF ELEMENT M CARRIED TO SUMMARY</u> <u>AT END OF BILL NO. 2</u></p> <p><u>JOINERY FITTINGS AND FIXTURES</u> <u>ADMINISTRATION BLOCK- LG + GF + 1F + 2F</u> <u>MAIN COLLECTION</u></p>		<p>2/91</p> <p>2/93</p> <p>2/95</p> <p>2/97</p>	Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT N</u></p> <p style="text-align: center;"><u>BUILDER'S WORK IN CONNECTION WITH SPECIALIST SERVICES</u></p> <p style="text-align: center;"><u>(ALL PROVISIONAL)</u></p> <p style="text-align: center;"><u>SECTION A -LOWER GROUND FLOOR</u></p> <p><u>Internal plumbing and drainage</u></p> <p>A. Cut horizontal or vertical chase in walling for small pipe and make good.</p> <p>B. Hole through 100mm natural stone wall for small pipe.</p> <p>C. Hole through 200mm natural stone wall for small pipe.</p> <p><u>Electrical Installation</u></p> <p><u>Cut away for and make good after electrician installing concealed conduit system to the following points including cutting or leaving all holes, notches, mortices, sinkings in both the structure and its coverings and make good to them.</u></p> <p>D. Lighting points with associated switch points.</p> <p>E. Socket outlet points.</p> <p>F. Fire alarm point.</p> <p><u>TOTAL AMOUNT OF SECTION A CARRIED TO SUMMARY AT END OF ELEMENT N</u></p> <p><u>BWIC</u></p> <p><u>ADMINISTRATION BLOCK- LOWER GROUND COLLECTION</u></p>				
		m	60		
		No.	12		
		No.	15		
		No.	30		
		No.	30		
		No.	2		
				Shs.	



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION B - GROUND FLOOR</u>				
	<u>Internal plumbing and drainage</u>				
A.	Cut horizontal or vertical chase in walling for small pipe and make good.	m	90		
B.	Hole through 100mm natural stone wall for small pipe.	No.	17		
C	Hole through 200mm natural stone wall for small pipe.	No.	20		
	<u>Electrical Installation</u>				
	<u>Cut away for and make good after electrician installing concealed conduit system to the following points including cutting or leaving all holes, notches, mortices, sinkings in both the structure and its coverings and make good to them.</u>				
D	Lighting points with associated switch points.	No.	70		
E	Socket outlet points.	No.	70		
F	Fire alarm point.	No.	4		
	<u>TOTAL AMOUNT OF SECTION B CARRIED TO SUMMARY AT END OF ELEMENT N</u>			Shs.	
	<u>BWIC</u>				
	<u>ADMINISTRATION BLOCK-GROUND FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION C - FIRST FLOOR</u>				
	<u>Internal plumbing and drainage</u>				
A.	Cut horizontal or vertical chase in walling for small pipe and make good.	m	90		
B.	Hole through 100mm natural stone wall for small pipe.	No.	17		
C	Hole through 200mm natural stone wall for small pipe.	No.	20		
	<u>Electrical Installation</u>				
	<u>Cut away for and make good after electrician installing concealed conduit system to the following points including cutting or leaving all holes, notches, mortices, sinkings in both the structure and its coverings and make good to them.</u>				
D	Lighting points with associated switch points.	No.	74		
E	Socket outlet points.	No.	74		
F	Fire alarm point.	No.	5		
	<u>TOTAL AMOUNT OF SECTION C CARRIED TO SUMMARY AT END OF ELEMENT N</u>			Shs.	
	<u>BWIC</u>				
	<u>ADMINISTRATION BLOCK-FIRST FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION D - SECOND FLOOR</u>				
	<u>Internal plumbing and drainage</u>				
A.	Cut horizontal or vertical chase in walling for small pipe and make good.	m	90		
B.	Hole through 100mm natural stone wall for small pipe.	No.	17		
C	Hole through 200mm natural stone wall for small pipe.	No.	20		
	<u>Electrical Installation</u>				
	<u>Cut away for and make good after electrician installing concealed conduit system to the following points including cutting or leaving all holes, notches, mortices, sinkings in both the structure and its coverings and make good to them.</u>				
D	Lighting points with associated switch points.	No.	44		
E	Socket outlet points.	No.	44		
F	Fire alarm point.	No.	5		
	<u>TOTAL AMOUNT OF SECTION D CARRIED TO SUMMARY AT END OF ELEMENT N</u>			Shs.	
	<u>BWIC</u>				
	<u>ADMINISTRATION BLOCK-SECOND FLOOR</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT N</u></p> <p style="text-align: center;"><u>BUILDER'S WORK IN CONNECTION WITH SPECIALIST SERVICES</u></p> <p style="text-align: center;"><u>COLLECTION</u></p> <p>Section A -Lower Ground Floor</p> <p>Section B - Ground Floor</p> <p>Section C - First Floor</p> <p>Section D- Second Floor</p> <p><u>TOTAL AMOUNT OF ELEMENT M CARRIED TO SUMMARY AT END OF BILL NO. 2</u></p> <p><u>BWIC</u> <u>ADMINISTRATION BLOCK</u> <u>MAIN COLLECTION</u></p>		<p>2/99</p> <p>2/100</p> <p>2/101</p> <p>2/102</p>	Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>ELEMENT O</u></p> <p style="text-align: center;"><u>ENTRANCE FOYER AND CONCOURSE</u></p> <p style="text-align: center;"><u>(ALL PROVISIONAL)</u></p> <p>A. Grade bottoms of excavations or surface of filling to falls and crossfalls including rolling and compacting to B.S. compaction.</p> <p>B. 300mm bed well compacted and blinded as before</p> <p>C. Telvar 'W' or other equal and approved weed killer under driveway and parking</p> <p><u>Vibrated reinforced concrete (class 25)</u></p> <p>D. 100mm Bed laid in bays not exceeding 50 square metres including formwork to edge of bays.</p> <p>E. Steel wire fabric mesh reinforcement to B.S 4483 Ref: A142 and K.S. 02-18:1976 in concrete bed (measured net, no allowance made for minimum 225mm laps) including tying and supporting as required</p> <p>F. Approved terracotta tiles bedded, jointed and flush pointed in cement mortar (1:3)</p>	<p>m2</p> <p>m2</p> <p>m2</p> <p>m2</p> <p>m2</p> <p>m2</p>	<p>1,100</p> <p>1,100</p> <p>1,100</p> <p>1,100</p> <p>1,100</p> <p>1,100</p>		
	<p><u>ENTRANCE FOYER, CONCOURSE AND STEPPED PASSAGES</u></p> <p><u>ADMINISTRATION BLOCK</u></p> <p><u>MAIN COLLECTION</u></p>			Shs.	

ITEM No.					AMOUNT (Kshs.)
		<u>BILL NO. 2</u>			
		<u>ADMINISTRATION BLOCK</u>			
		<u>SUMMARY</u>			
	<u>ELEMENT</u>	<u>TITLE</u>	<u>PAGE No.</u>		
	A	Earthworks	2/3		
	B	Substructures	2/11		
	C	Frame	2/21		
	D	External and Internal Walls	2/29		
	E	Roof construction, finishes and rain water disposal (All provisional)	2/34		
	F	Windows	2/45		
	G	Doors	2/62		
	H	External Wall Finishes	2/67		
	I	Internal Wall Finishes	2/72		
	J	Floor Finishes	2/77		
	K	Ceiling Finishes	2/82		
	L	Staircase Finishes	2/89		
	M	Joinery Fittings and Fixtures	2/98		
	N	Builders' Work in Connection to Specialist Work	2/103		
	O	Entrance foyer and concourse	2/104		
		<u>TOTAL AMOUNT OF BILL NO.2 CARRIED TO GRAND SUMMARY</u>		Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p align="center"><b><u>BILL NO. 3</u></b></p> <p align="center"><b><u>EXTERNAL WORKS</u></b></p> <p align="center"><b><u>(ALL PROVISIONAL)</u></b></p> <p align="center"><b><u>SECTION A</u></b></p> <p align="center"><b><u>SITE CLEARANCE</u></b></p>				
A.	Clear site of all grass, weeds, shrubs, hedges, bushes, rubbish, small trees etc. and grub up all roots or similar obstructions and burn or cart away.	m2	5,000		
	<u>Cut down existing trees grub up all roots and cart away and fill in voids with approved selected material well rammed and consolidated.</u>				
B.	Small trees not exceeding 600mm girth	No.	20		
C.	Tree 600 - 900mm girth.	No.	5		
D.	Tree 900 - 1200mm girth.	No.	5		
E.	Tree 1200 - 1500mm girth.	No.	10		
F.	Tree 1500 - 1800mm girth.	No.	5		
G.	Tree 1800 - 2100mm girth.	No.	4		
H.	Tree 2100 - 2400mm girth.	No.	3		
I.	Tree 2700 - 3000mm girth.	No.	2		
J.	Tree 3700 - 4000mm girth.	No.	2		
K.	Tree 4300 - 4600mm girth.	No.	1		
L.	Tree 4900 - 5200mm girth.	No.	1		
M.	Tree 5200 - 5500mm girth.	No.	1		
N.	Tree 5500 - 5800mm girth.	No.	2		
				Shs.	
	<p><u>EXTERNAL WORKS</u></p> <p><u>SITE CLEARANCE</u></p>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>Cut down existing tree stumps, grub up all roots and burn or cart away and fill in voids with approved selected material well rammed and consolidated</u>				
A.	Small tree stumps not exceeding 600mm girth	No.	5		
B.	Tree stump 600 - 900mm girth.	No.	1		
C.	Tree stump 900 - 1200mm girth.	No.	2		
D.	Tree stump 1200 - 1500mm girth.	No.	4		
E.	Tree stump 1500 - 1800mm girth.	No.	5		
F.	Tree stump 2700 - 3000mm girth.	No.	6		
G.	Tree stump 3700 - 4000mm girth.	No.	5		
H.	Tree stump 4300 - 4600mm girth.	No.	6		
I.	Tree stump 4900 - 5200mm girth.	No.	7		
J.	Tree stump 5200 - 5500mm girth.	No.	8		
K.	Tree stump 5500 - 5800mm girth.	No.	10		
				Shs.	
	<u>SECTION A</u>				
	<u>SITE CLEARANCE</u>				
	<u>COLLECTION</u>				
	Brought forward from page No. 3/1				
	" " " " " 3/2				
	<u>TOTAL AMOUNT OF SECTION A CARRIED TO SUMMARY AT END OF BILL NO. 3</u>			Shs.	
	<u>EXTERNAL WORKS</u>				
	<u>SITE CLEARANCE</u>				
	<u>COLLECTION</u>				



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION B</u> <u>ACCESS ROADS</u>				
A.	Allow for planking and strutting to sides of all excavations.		Item		
B.	Allow for keeping excavations free from all water.		Item		
C.	Excavate over site to reduce levels commencing at existing ground level.	m3	1,000		
D.	Remove surplus excavated material from site.	m3	1,000		
E.	Approved murram filling or other equal and approved filling in making up levels, spread, levelled, watered and well rammed and consolidated in 150mm layers to 100% AASHTO T180 compaction.	m3	1,000		
F.	Grade bottoms of excavation or surface of filling to falls and crossfalls including rolling and compacting to 100% B.S. Compaction.	m2	500		
G.	Telvar ' W ' or other equal and approved weed killer under driveway.	m2	500		
H.	300mm Bed of graded crushed stone or hand packed stone base laid to falls, crossfalls and cambers, well compacted to 100% B.S. heavy compaction.	m2	500		
I.	25mm Approved fine material blinding to graded crushed stone or handpacked stone base (measured separately).	m2	500		
J.	Prepare surface of compacted hand packed stone base and spray with MC 30 cut back bitumen prime coat tacked with 80/100 penetration bitumen each at the rate of a litre per square metre.	m2	500		
K.	25mm Thick dense bitumen macadam wearing course laid to falls, crossfalls and cambers and well compacted to the satisfaction of the Engineer.	m2	500		
				Shs.	
	<u>EXTERNAL WORKS</u> <u>ACCESS ROADS</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	45mm Thick dense bitumen macadam base course laid to falls crossfalls and cambers and well compacted to the satisfaction of the Engineer.	m2	500		
B.	125 x 250mm Precast concrete (class 25) kerb with one chamfered edge finished fair on all exposed surfaces bedded, jointed and pointed in cement mortar (1:3) on and including 450 x 100mm plain concrete (1:3:6) foundation haunched up on one side protected by and including 125 x 100mm precast concrete (class 25) channel including all necessary formwork.	m	250		
C.	Do. <u>but</u> curved on plan to various radii.	m	100		
D.	Do. <u>but</u> with and including 250 x 125mm precast concrete (1:2:4) roadside channel projection on and including concrete (class 10/20) foundation overall size 475 x 80mm.	m	250		
E.	Do. <u>but</u> curved on plan to various radii.	m	100		
F.	250 x 125mm Precast concrete (1:2:4) flush channel bedded, jointed and pointed in cement mortar (1:3) on and including concrete (class 10/20) 400 x 80mm foundation and 75 x 70mm haunching on both sides, complete with and including all necessary excavation, soil disposal and formwork.	m	250		
G.	150 x 250mm precast concrete (1: 2: 4) kerb bedded, jointed and pointed in cement mortar (1:3) on and including concrete (class 10/20) 225 x 80mm foundation and 75 x 115mm haunching one side, complete with and including all necessary excavation, soil disposal and formwork.	m	250		
	<u>Isolation Joint</u>				
H.	20 x 10mm 'Sika IGAS-R' joint sealant.	m	26		
I.	30mm Deep hardwood timber crack inducer.	m	26		
				Shs.	
	<u>EXTERNAL WORKS</u> <u>ACCESS ROADS</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>Free Contraction Joint</u>				
A.	25mm x 15mm Wide 'Sika IGAS-R' joint sealing compound.	m	92		
B.	175 x 15mm Hardwood filler board.	m	92		
C.	20mm Diameter 400mm long mild steel dowel bars at 300mm centres in contraction joints with mould oil coating to one end.	No.	81		
	_____				
D.	Prepare and apply three coats of 'Crown Paints Solo' or other equal and approved yellow road enamel paint on surfaces of parking or kerbs to be executed by an approved Sub-Contractor.	m	2,000		
				Shs.	
	<u>SECTION B</u>				
	<u>ACCESS ROAD</u>				
	<u>COLLECTION</u>				
	Brought forward from page No. 3/3				
	" " " " " 3/4				
	" " " " " 3/5				
	<u>TOTAL AMOUNT OF SECTION B CARRIED TO SUMMARY AT END OF BILL NO. 3</u>			Shs.	
	<u>EXTERNAL WORKS</u>				
	<u>ACCESS ROADS</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION C</u>				
	<u>FOOTPATHS AND GRASSING TO ROAD RESERVES</u>				
A.	Excavate over site to reduce levels commencing at existing ground level.	m3	180		
B.	Remove surplus excavated material from site.	m3	180		
C.	Approved quarry waste or other equal and approved imported material in making up levels, spread, levelled and well rammed and consolidated in layers not exceeding 150mm thick.	m3	180		
D.	Telvar 'W ' or other equal and approved weed killer under footpath.	m2	300		
E.	100mm Bed of approved hand packed stone base blinded with and including approved fine material 25mm thick.	m2	300		
F.	Prepare surface of blinded stone base and spray with MC 30 cut back bitumen prime coat and tack with 80/100 penetration bitumen each at the rate of a litre per square metre.	m2	300		
G.	25mm Thick dense bitumen macadam wearing surface course dressing laid to falls and crossfalls and compacted to the satisfaction of the Engineer.	m2	300		
H.	50 x 150mm Precast concrete (1:2:4) edging bedded, jointed and pointed in cement mortar (1:3) on and including concrete (class 10/20) 200 x 75mm foundation and 75 x 130mm haunching both sides.	m	502		
I.	Do. <u>but</u> curved on plan.	m	24		
				Shs.	
	<u>EXTERNAL WORKS</u>				
	<u>FOOTPATHS AND GRASSING TO ROAD RESERVES</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	200mm Thick approved imported red soil spread, levelled and prepared for grassing (measured separately).	m2	502		
B.	Plant suitable locally obtained approved grass shoots at 150mm centres including treating with appropriate fertilizer and cow manure and watering and maintaining until established to the satisfaction of the Architect.	m2	502		
				Shs.	
	<u>SECTION C</u>				
	<u>FOOTPATHS AND GRASSING TO ROAD RESERVES</u>				
	<u>COLLECTION</u>				
	Brought forward from page No. 3/6				
	" " " " " 3/7				
	<u>TOTAL AMOUNT OF SECTION C CARRIED TO SUMMARY AT END OF BILL NO. 3</u>			Shs.	
	<u>EXTERNAL WORKS</u>				
	<u>FOOTPATHS AND GRASSING TO ROAD RESERVES</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION D</u>				
	<u>PAVED PARKING</u>				
A.	Allow for planking and strutting to sides of all excavations.		Item		
B.	Allow for keeping excavations free from all water.		Item		
C.	Excavate over site to reduce levels commencing at existing ground level.	m3	2,000		
D.	Remove surplus excavated material from site.	m3	2,000		
E.	Approved murram filling or other equal and approved filling in making up levels, spread, levelled, watered and well rammed and consolidated in 150mm layers to 100% AASHTO T180 compaction.	m3	2,000		
F.	Grade bottoms of excavation or surface of filling to falls and crossfalls including rolling and compacting to B.S. 100% B.S.S. compaction.	m2	1,000		
G.	Selected hardcore filling in making up levels well rammed and consolidated in 150mm layers.	m3	2,000		
H.	200mm Murram fill compacted to 98% MDD.	m2	1000		
I.	150mm Graded crushed stone bed.	m2	1000		
J.	Telvar 'W' or other equal and approved weed killer under driveway and parking.	m2	1000		
K.	50mm (Average) sand bed blinding spread and well compacted to falls and crossfalls and cambers and finished to receive precast concrete block paving (measured separately).	m2	1000		
L.	80mm Thick heavy duty 49N/mm2 compressive strength Bamburi blox or other equal and approved precast concrete block paving in approved pattern laid on sand bed (measured separately) to falls, crossfalls and cambers including all necessary compaction.	m2	1000		
				Shs.	
	<u>EXTERNAL WORKS</u>				
	<u>PAVED PARKING</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Curved cutting on block paving to various radii.	m	50	Shs.	
B.	125 x 250mm Precast concrete (class 25) kerb with one chamfered edge finished fair on all exposed surfaces bedded, jointed and pointed in cement mortar (1:3) on and including 450 x 100mm plain concrete (1:3:6) foundation haunched up on one side protected by and including 125 x 100mm precast concrete (class 25) channel including all necessary formwork.	m	300		
C.	Do. <u>but</u> curved on plan to various radii.	m	20		
D.	Extra for triangular shaped quadrant corners size 425 x 425mm.	No.	8		
E.	Prepare and apply three coats of 'Crown Paints Solo' or other equal and approved yellow road enamel paint 100mm wide on surfaces of parking to be executed by an approved Sub-Contractor.	m	320		
F.	Do. <u>but</u> on surfaces of kerbs 200 - 300mm girth.	m	300		
<p><u>SECTION D</u></p> <p><u>PAVED PARKING</u></p> <p><u>COLLECTION</u></p> <p>Brought forward from Page No. 3/8</p> <p>" " " " " 3/9</p>					
<p><u>TOTAL AMOUNT OF SECTION D CARRIED TO SUMMARY AT END OF BILL NO. 3</u></p>					Shs.
<p><u>EXTERNAL WORKS</u></p> <p><u>PAVED PARKING</u></p> <p><u>COLLECTION</u></p>					

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
<u>SECTION E</u>					
<u>PAVED WALKWAYS</u>					
A.	Allow for planking and strutting to sides of all excavations.		Item		
B.	Allow for keeping excavations free from all water.		Item		
C.	Excavate over site to reduce levels commencing at existing ground level.	m3	225		
D.	Remove surplus excavated material from site.	m3	225		
E.	Approved murram filling or other equal and approved filling in making up levels, spread, levelled, watered and well rammed and consolidated in 150mm layers to 100% AASHTO T180 compaction.	m3	225		
F.	Grade bottoms of excavation or surface of filling to falls and crossfalls including rolling and compacting to B.S. 100% B.S.S. compaction.	m2	375		
G.	Selected hardcore filling in making up levels well rammed and consolidated in 150mm layers.	m3	225		
H.	200mm Murram fill compacted to 98% MDD.	m2	375		
I.	150mm Graded crushed stone bed.	m2	375		
J.	Telvar 'W' or other equal and approved weed killer under driveway and parking.	m2	375		
K.	50mm (Average) sand bed blinding spread and well compacted to falls and crossfalls and cambers and finished to receive precast concrete block paving (measured separately).	m2	375		
L.	80mm Thick heavy duty 49N/mm2 compressive strength Bamburi blox or other equal and approved precast concrete block paving in approved pattern laid on sand bed (measured separately) to falls, crossfalls and cambers including all necessary compaction.	m2	375		
				Shs.	
<u>EXTERNAL WORKS</u>					
<u>PAVED WALKWAYS</u>					



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Curved cutting on block paving to various radii.	m	50		
B.	125 x 250mm Precast concrete (class 25) kerb with one chamfered edge finished fair on all exposed surfaces bedded, jointed and pointed in cement mortar (1:3) on and including 450 x 100mm plain concrete (1:3:6) foundation haunched up on one side protected by and including 125 x 100mm precast concrete (class 25) channel including all necessary formwork.	m	503		
C.	Do. <u>but</u> curved on plan to various radii.	m	20		
D.	Extra for triangular shaped quadrant corners size 425 x 425mm.	No.	8		
E.	Prepare and apply three coats of 'Crown Paints Solo' or other equal and approved yellow road enamel paint 100mm wide on surfaces of parking to be executed by an approved Sub-Contractor.	m	320		
F.	Do. <u>but</u> on surfaces of kerbs 200 - 300mm girth.	m	2170		
				Shs.	
	<u>SECTION E</u>				
	<u>PAVED WALKWAYS</u>				
	<u>COLLECTION</u>				
	Brought forward from Page No. 3/10				
	" " " " " 3/11				
	<u>TOTAL AMOUNT OF SECTION E CARRIED TO SUMMARY AT END OF BILL NO. 3</u>			Shs.	
	<u>EXTERNAL WORKS</u>				
	<u>PAVED WALKWAYS</u>				
	<u>COLLECTION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION F</u>				
	<u>STORM WATER DRAINAGE</u>				
A.	Excavate trench for 150mm diameter pipe commencing at ground level not exceeding 1.50m deep average 500mm deep, part return, fill and ram remainder cart away (Provisional).	m	126		
B.	Do. <u>but</u> average 750mm deep.	m	56		
D.	Do. <u>but</u> for 225mm diameter pipe average 500mm deep.	m	70		
E.	Do. <u>but</u> do. average 750mm deep.	m	20		
G.	Extra over excavation for excavating in rock.	m3	40		
	<u>Precast concrete spun ogee jointed drain pipes to B.S. 556</u>				
H.	150mm Diameter pipe laid and jointed on concrete in cement mortar (1:3).	m	182		
I.	225mm Diameter do.	m	90		
J.	Extra for 150 x 150mm Y-junction.	No.	4		
K.	Extra for 225 x 150mm Do.	No.	7		
	<hr/>				
L.	100mm Plain concrete (1:3:6) bed 500mm wide under 150mm pipe and surround pipe with similar concrete 150mm thick including all necessary formwork.	m	182		
M.	Do. <u>but</u> 600mm wide under 225mm diameter pipe.	m	90		
				Shs.	
	<u>EXTERNAL WORKS</u>				
	<u>STORM WATER DRAINAGE</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Precast concrete (class 20) road gulley size 450mm diameter x 900mm deep (internally) comprising 50mm base and 38mm sides reinforced as necessary for handling with outlet for 150mm pipe (measured separately) removable close fitting stopper complete with standard mild steel grating and frame filled with plain concrete (1:3:6) and bedded in cement mortar (1:3), gulley laid on and surrounded with 150mm plain concrete (1:3:6) and 75mm plain concrete (1:3:6) cover slab including all necessary formwork, excavation and disposal.	No.	5		
B.	Precast concrete (class 20) side inlet gulley size 2400 x 1000 x 900mm deep (average) comprising 150mm base and walls reinforced with BRC Ref: A142 mesh, opening for 225mm pipe (measured separately), 100mm side inlet 2400mm long 300mm (average) benching finished to falls to 225mm half round channel complete with 100mm suspended slab on 15mm cement mortar (1:3) including forming rebated opening for and including cover size 875 x 875mm overall constructed of precast concrete (1:2:4) with 2No. recessed lifting handles, 50 x 50 x 3mm galvanised mild steel angle frame filled with concrete (1:2:4), gulley laid on 100mm plain concrete (1:4:8) blinding including all necessary formwork, excavation and disposal (reinforcement to suspended slab measured separately).	No.	20		
				Shs.	
	<u>EXTERNAL WORKS</u> <u>STORM WATER DRAINAGE</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>Ribbed High Yield Steel Bar Reinforcement to B.S. 4461 and K.S. 02-22: 1976</u>				
A.	16mm Square bars.	Kg.	175		
B.	8mm Do.	Kg.	185		
	<u>Precast concrete (class 20) stormwater channel comprising 600mm long invert blocks with 75mm base and sides all finished fair and reinforced as necessary for handling blocks jointed at ends with splay sided projecting nib size 25 x 38mm and matching recess, bedded, jointed and pointed in cement mortar (1:3) on and including 75mm murram including all necessary excavation, and disposal.</u>				
C.	Channel size 225 x 150mm deep internally.	m	138		
D.	Do. <u>but</u> size 300 x 200mm.	m	145		
E.	Do. <u>but</u> size 375 x 250mm.	m	34		
F.	Do. <u>but</u> size 450 x 300mm and with BRC Ref: A142 mesh reinforcement in base and sides.	m	33		
G.	Do. <u>but</u> size 525 x 350mm wide do.	m	37		
H.	Do. <u>but</u> size 600 x 400mm do.	m	66		
I.	Do. <u>but</u> size 675 x 450mm do.	m	39		
J.	Do. <u>but</u> comprising 450mm wide x 75mm thick blocks with 100 x 50mm splayed upstands along edges bedded, jointed and pointed in cement mortar (1:3) on and including 100mm bed of approved granular material well levelled and compacted.	m	520		
K.	Build in end of 150mm diameter pipe into 75mm concrete wall and make good.	No.	53		
L.	Do. <u>but</u> into 150mm wall.	No.	4		
				Shs.	
	<u>EXTERNAL WORKS</u> <u>STORM WATER DRAINAGE</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Build in end of 225mm diameter pipe into 75mm concrete wall and make good.	No.	3		
B.	Do. <u>but</u> into 150mm wall.	No.	3		
C.	Form or leave 225mm diameter hole through 150mm concrete wall and make good.	No.	10		
	<u>Stormwater channel with 150mm reinforced concrete (class 20) cover slab bedded on cement mortar (1:3) and laid on and backed with 150mm concrete (class 20)</u>				
D.	Channel size 225 x 150mm deep internally.	m	7		
E.	Do. <u>but</u> size 300 x 200mm.	m	15		
F.	Do. <u>but</u> size 375 x 250mm.	m	4		
G.	Do. <u>but</u> size 450 x 300mm and with BRC A142 mesh reinforcement in base and sides.	m	25		
H.	Do. <u>but</u> size 525 x 350mm wide do.	m	27		
I.	Do. <u>but</u> size 600 x 400mm.	m	12		
J.	Do. <u>but</u> size 675 x 450mm.	m	75		
				Shs.	
	<u>EXTERNAL WORKS</u> <u>STORM WATER DRAINAGE</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Manhole size 1000 x 1000mm internally x 1325mm (maximum) to invert comprising 150mm concrete (class 20) base and walls 418mm average plain concrete (1:3:6) benching finished to falls to 225mm half round channel 150mm concrete (class 20) suspended slab including forming opening size 500 x 500mm 12mm cement sand (1:3) rendering to sides and bottom complete with 20mm diameter step irons staggered at 300mm centres, manhole cover size 590 x 590mm overall constructed of 45 x 45 x 3mm galvanised mild steel angle frame filled with concrete (1:2:4) reinforced with Y6 bars at 125mm centres both ways welded to frame with 2No. slotted mild steel lifting keys, frame fixed in concrete with 4No. welded galvanised mild steel fishtails each 12 x 3 x 50mm long bedded on 50mm cement mortar (1:3) with plain concrete (1:3:6) haunching all round manhole laid on 50mm plain concrete (1:4:8) blinding including all necessary formwork, excavation and disposal.	No.	3		
B.	Do. <u>but</u> size 1600 x 1600mm internally x 1275mm (maximum) to invert with one branch channel.	No.	3		
	<u>The following in 8No. Headwalls</u>				
C.	Excavate foundation trench for headwall commencing at existing ground level not exceeding 1.50m deep.	m3	42		
D.	Extra over excavations for excavating in rock.	m3	12		
E.	Return fill in and ram selected excavated material around foundations.	m3	23		
				Shs.	
	<u>EXTERNAL WORKS</u> <u>STORM WATER DRAINAGE</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Remove surplus excavated material from site.	m3	14		
B.	50mm Plain concrete (1:4:8) blinding under foundations. <u>Vibrated reinforced concrete (class 20)</u>	m2	13		
C.	Foundations <u>(Provisional)</u> .	m3	2		
D.	225mm Walling.  _____	m2	22		
E.	12mm Ribbed High Yield Steel Bar Reinforcement as before (Provisional).	Kg.	78		
F.	8mm Do.	Kg.	145		
G.	Steel wire fabric mesh reinforcement to B.S. 4483 Ref: A142 in headwalls (measured net - no allowance made for minimum 225mm laps) including tying and supporting as required.  <u>Sawn formwork</u>	m2	24		
H.	Sides of foundations <u>(Provisional)</u> .	m2	8		
I.	Sides of walls.  _____	m2	29		
J.	Form or leave hole in 225mm headwall for extra large pipe.  <u>Invert block drain</u>	No.	9		
K.	Excavate for 'V' section open invert block drain not exceeding 1.50m deep, average 800mm deep and 1050mm wide and cart away and trim sides to slope.	m	250		
	<u>EXTERNAL WORKS</u> <u>STORM WATER DRAINAGE</u>			Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Precast concrete (class 25) rainwater channel comprising 600mm long rectangular invert blocks each 450 x 250mm high with two top edges each twice splayed and 300mm diameter deep sinking on top, finished fair and reinforced as necessary for handling, bedded, jointed and pointed on and including 50mm bed of plain concrete (1:4:8) and with 75mm thick murram backfilling to bottom and both sides.	m	250		
B.	75mm Precast concrete (class 25) side slabs size 600 x 225mm finished fair, bedded on and including 75mm murram well compacted to sides and slopes of rainwater channel and pointed in cement mortar (1:3).	m2	150		
	<u>Earth drains (All Provisional).</u>				
C.	Excavate for trapezoidal shaped earth drain not exceeding 1.50m deep average 1250mm deep, top 3980mm wide bottom 1300mm wide and cart away.	m	125		
D.	Do. <u>but</u> average 1500mm deep do.	m	125		
				Shs.	
	<u>EXTERNAL WORKS</u> <u>STORM WATER DRAINAGE</u>				



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Extra over excavation for excavating in rock.	m3	268		
B.	Trapezoidal shaped open drain channel top 3180mm wide, bottom 1200mm wide and 1015mm deep comprising 150mm concrete (class 25/20) base with contraction joint every twelve metres laid on 25mm murram with twelve courses of precast concrete (1:2:4) side slabs six on either side each 600 x 225 x 100mm (total) thick jointed with half round nibs and matching recesses, bedded jointed and pointed in 25mm cement mortar (1:3) including any additional excavation.	m	125		
C.	Steel wire fabric mesh reinforcement BRC A142 in concrete bed.	m2	436		
D.	20mm 'Flexcell' expansion joint filler 150mm wide in concrete bed including all necessary formwork.	m	8		
E.	Rake out 20mm expansion joint filler for a depth of 25mm and point with approved joint sealant.	m	8		
F.	Approved imported murram filling well compacted.	m3	102		
G.	Approved red soil mixed with manure filling along edges of drains.	m3	67		
H.	Plant suitable locally obtained grass shoots at 300mm centres including treating with appropriate fertilizer and watering and maintaining until established to the satisfaction of the Architect.	m2	334		
				Shs.	
	<u>EXTERNAL WORKS</u> <u>STORM WATER DRAINAGE</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>Box Culverts</u>				
A.	Excavate for box culvert commencing at existing ground level not exceeding 1.50m deep.	m3	200		
B.	Do. <u>but</u> 1.50 - 3.00m deep	m3	150		
C.	Extra over excavation for excavating in rock.	m3	105		
D.	Remove surplus excavated material from site.	m3	455		
E.	Approved imported murram filling around culverts.	m3	350		
F.	Compact trench bottom before casting concrete.	m2	342		
G.	50mm Plain concrete (1:4:8) blinding.	m2	342		
H.	Vibrated reinforced concrete (class 20) in 200mm bed.	m2	342		
I.	Do. <u>but</u> in 200mm suspended slab.	m2	342		
J.	200mm Concrete (class 7) hollow block wall filled in with plain concrete (1:3:6) in cement mortar (1:3).	m2	296		
	<u>Sawn formwork</u>				
K.	Soffits of suspended.	m2	270		
L.	Edges of bed 150 - 225mm high.	m	358		
M.	Do. <u>but</u> edges of suspended slab.	m	373		
N.	Heavy duty circular cover and frame 725mm diameter overall comprising 10mm cast iron plate with 5mm welds at all joints, hot dip galvanised painted black frame bedded in cement mortar (1:3) and haunched up all round with concrete (class 20/20) and seal cover in grease.	No.	10		
				Shs.	
	<u>EXTERNAL WORKS</u>				
	<u>STORM WATER DRAINAGE</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Galvanised cast iron step iron built into masonry side of culvert and make good.	No.	10		
	<u>Ribbed High Yield Steel Bar Reinforcement as before.</u>				
B.	12mm Square bar.	Kg.	45		
C.	8mm Do.	Kg.	1,500		
	<u>Paving under rain water down pipes</u>				
D.	50mm Thick precast concrete (class 20) paving slabs size 600 x 600mm as splash back under rainwater down pipe on and including 150mm approved granular material bed and all necessary excavation disposal and preparatory work.	No.	209		
E.	Allow for testing the whole of the stormwater drainage during the progress of works and again on completion and leave in perfect working order to the satisfaction of the Architect.		Sum		
				Shs.	
	<u>EXTERNAL WORKS</u>				
	<u>STORM WATER DRAINAGE</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p align="center"><u>SECTION F</u></p> <p align="center"><u>STORM WATER DRAINAGE</u></p> <p align="center"><u>COLLECTION</u></p> <p>Brought forward from page No. 3//12</p> <p>" " " " " 3/13</p> <p>" " " " " 3/14</p> <p>" " " " " 3/15</p> <p>" " " " " 3/16</p> <p>" " " " " 3/17</p> <p>" " " " " 3/18</p> <p>" " " " " 3/19</p> <p>" " " " " 3/20</p> <p>" " " " " 3/21</p> <p><u>TOTAL AMOUNT OF SECTION F CARRIED TO</u> <u>SUMMARY AT END OF BILL NO 8</u></p> <p><u>EXTERNAL WORKS</u> <u>STORM WATER DRAINAGE</u> <u>COLLECTION</u></p>				
				Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION G</u>				
	<u>BOUNDARY WALL</u>				
A.	Excavate foundation trench in fill not exceeding 1.50m deep.	m3	173		
B.	Extra over excavation for excavating in soft rock.	m3	178		
C.	Return fill in and ram selected excavated material around foundations.	m3	402		
D.	Remove surplus excavated material from site.	m3	190		
E.	50mm Plain concrete (1:3:6) blinding under foundations.	m2	150		
F.	Do. <u>but</u> column bases	m2	178		
	<u>Vibrated reinforced concrete (class 25)</u>				
G.	Foundations	m3	15		
H.	Column bases	m3	54		
I.	Columns	m3	41		
	<u>Ribbed High Yield Steel Bar Reinforcement as before.</u>				
J.	10mm bar.	Kg.	66,025		
K.	8mm Do.	Kg.	66,025		
	<u>Sawn Formwork</u>				
L.	Sides of foundations	m2	49		
M.	Sides of column bases	m2	153		
				Shs.	
	<u>EXTERNAL WORKS</u>				
	<u>BOUNDARY WALL</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Sides of columns	m2	546		
B.	Extra over formwork for fair face.	m2	164		
C.	300 x 75mm Precast concrete (class 25) coping twice throated and once weathered and reinforced as necessary for handling and finished fair on all exposed surfaces.	m	250		
D.	350 x 350mm x 70mm Precast concrete (class 25) coping piece.	No.	91		
E.	200mm Approved hand dressed local stone walling in cement mortar (1:3) otherwise as before.	m2	450		
F.	Do. <u>but</u> in gauged mortar.	m2	150		
G.	Extra over stone walling for smooth hand chisel dressed face and pointing with flush neat vertical and recessed horizontal joints formed with a steel rod as the work proceeds.  <u>Mild steel, welds ground smooth</u>	m2	150		
H.	1600mm High infill comprising 2No. 50 x 40 x 2mm rectangular hollow section horizontals and 40 x 25 x 2mm rectangular hollow section verticals at 160mm centres, the whole welded together in 3000mm panels to 2025mm long 100 x 100 x 3mm rectangular hollow section columns at either end and fixed in position above the 200mm dwarf wall (measured separately) to approval.	m	250		
I.	Prepare, prime and paint one undercoat and two gloss finishing coats of 'Crown Paints Solo' or other equal and approved oil paint on surfaces of mild steel infill (measured flat overall).	m2	800		
				Shs.	
	<u>EXTERNAL WORKS</u> <u>BOUNDARY WALL</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	20mm Flexcell or other equal and approved expansion joint filler 200mm wide in walling sealed both sides.	m	105		
B.	Rake out expansion filler 20mm deep and point in approved mastic sealant.	m	210		
C.	Marmoran textured wall finish to approval	m2	150		
				Shs.	
	SECTION G				
	BOUNDARY WALL				
	COLLECTION				
	Brought forward from Page No. 3/23				
	" " " " " 3/24				
	" " " " " 3/25				
	TOTAL AMOUNT OF SECTION G CARRIED TO SUMMARY AT END OF BILL NO. 3			Shs.	
	EXTERNAL WORKS				
	BOUNDARY WALL				
	COLLECTION				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>SECTION H</u></p> <p style="text-align: center;"><u>FOUL DRAINAGE</u></p> <p><u>New Works</u></p> <p>A. Excavate trench for 150mm diameter drain pipe not exceeding 1.50m deep and average 500mm deep commencing at existing ground level part return fill in and ram and remainder remove from site.</p> <p>B. Do. <u>but</u> average 750mm deep.</p> <p>C. Do. <u>but</u> 225mm diameter drain pipe and average 750mm deep.</p> <p>D. Do. <u>but</u> do and average 1000mm deep.</p> <p>E. Extra over excavation for excavating in rock.</p> <p>F. 150mm Bed of approved fine granular fill 500mm wide under 150mm pipe and surround pipe with similar fill 150mm thick.</p> <p>G. Do. <u>but</u> 600mm wide under 225mm pipe.</p> <p>H. 150mm Plain concrete (1:3:6) bed 500mm wide under 150mm pipe and surround pipe with similar concrete 150mm thick including all necessary formwork.</p> <p>I. Do. <u>but</u> 600mm wide under 225mm pipe.</p> <p><u>EXTERNAL WORKS</u></p> <p><u>FOUL DRAINAGE</u></p>				
		m	126		
		m	56		
		m	70		
		m	20		
		m3	258		
		m	182		
		m	90		
		m	50		
		m	60		
				Shs.	



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Do. <u>but</u> exceeding 1.5m and not exceeding 3.00m deep average 1750mm. <u>Unplasticised P.V.C. drain pipes to B.S. 5481 (class 'O')</u>	m	44		
B.	150mm Diameter pipe laid and jointed in trench.	m	784		
C.	225mm Do. <u>Circular manholes</u> <u>Ring manhole consisting of standard precast concrete rings to B.S. 556, with 100mm thick concrete (class 20) surround and 150mm concrete (class 25) thick base, 200mm thick precast concrete (class 25) cover slab reinforced with 12mm diameter high tensile bars at 150mm centres both ways, 150mm thick insitu concrete (class 25) benching finished with 12mm thick cement/sand (1:3) render laid to falls, including 50mm thick blinding, all necessary formwork, excavation, back fill and disposal.</u>	m	504		
D.	Circular manhole with 1200mm internal diameter 3250mm average depth to invert including step irons staggered at 300mm centres.	No.	8		
E.	Do. <u>but</u> 3500mm average depth.	No.	5		
F.	Do. <u>but</u> 3750mm average depth.	No.	3		
G.	Do. <u>but</u> 4000mm average depth.	No.	4		
H.	Circular manhole with 1050mm internal diameter 3250mm average depth to invert including step irons staggered at 300mm centres.	No.	7		
I.	Do. <u>but</u> 3500mm average depth.	No.	3		
	<u>EXTERNAL WORKS</u> <u>FOUL DRAINAGE</u>			Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Do. <u>but</u> 3750mm average depth.	No.	3		
B.	Do. <u>but</u> 4000mm average depth.	No.	5		
	<u>Inspection Chambers</u>				
	<u>Consisting of 150mm thick concrete (class 20) bed, 150mm thick natural stone walling in cement and sand (1:3) mortar, 75mm thick reinforced precast concrete (1:2:4) cover slab, concrete class 'Q' benching and channelling for large pipes, 12mm cement and sand (1:3) rendering internally trowelled smooth and externally and all necessary excavation, formwork, approved filling and cart away.</u>				
C.	Size 1100 x 900mm internal dimensions average 500mm deep.	No.	24		
D.	Do. <u>but</u> average 750mm deep.	No.	6		
E.	Do. <u>but</u> average 1000mm deep.	No.	22		
F.	Do. <u>but</u> average 1250mm deep.	No.	23		
G.	Do. <u>but</u> average 1500mm deep.	No.	5		
H.	Do. <u>but</u> average 1750mm deep.	No.	16		
I.	Do. <u>but</u> average 2000mm deep.	No.	1		
J.	Size 600 x 450mm internal dimensions, average 500mm deep.	No.	64		
K.	Do. <u>but</u> average 750mm deep.	No.	76		
L.	Do. <u>but</u> average 1000mm deep.	No.	5		
M.	Do. <u>but</u> average 1250mm deep.	No.	4		
N.	Do. <u>but</u> average 1500mm deep.	No.	14		
O.	Do. <u>but</u> average 1750mm deep.	No.	3		
				Shs.	
	<u>EXTERNAL WORKS</u> <u>FOUL DRAINAGE</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Allow for connecting 225mm drain pipe to existing City council manhole and make good all work disturbed.		Sum		
B.	Allow for testing the whole of the foul drainage during the progress of the works and again on completion and leave in perfect working order to the satisfaction of the Architect.		Sum		
	<p style="text-align: center;"><u>SECTION H</u></p> <p style="text-align: center;"><u>FOUL DRAINAGE</u></p> <p style="text-align: center;"><u>COLLECTION</u></p> <p>Brought forward from Page No. 3/26</p> <p style="text-align: center;">" " " " " 3/27</p> <p style="text-align: center;">" " " " " 3/28</p> <p style="text-align: center;">" " " " " 3/29</p> <p><u>TOTAL AMOUNT OF SECTION H CARRIED TO SUMMARY AT END OF BILL NO. 3</u></p> <p><u>EXTERNAL WORKS</u></p> <p><u>FOUL DRAINAGE</u></p> <p><u>COLLECTION N</u></p>			Shs.	
				Shs.	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
<u>SECTION I</u>					
<u>EXTERNAL WATER RETICULATION</u>					
A.	Excavate trenches to receive pipes (measured separately) not exceeding 150mm diameter not exceeding 1.50m deep and average 1200mm deep starting from ground level and part return fill and ram and cart away surplus excavated material.	m	626		
B.	Do. <u>but</u> average 1500mm deep.	m	450		
C.	Do. <u>but</u> to receive pipes of 200mm diameter, average 1200mm deep.	m	25		
D.	Do. <u>but</u> average 1500mm deep.	m	23		
E.	Do. <u>but</u> to receive pipes of 250mm diameter, average 1200mm deep.	m	40		
F.	Do. <u>but</u> 1500mm deep.	m	45		
G.	Extra over excavation for excavating in rock.	m3	363		
H.	Sluice valve chamber pit size 600 x 450 x 900mm deep (internal) comprising 150mm plain concrete (1:3:6) base, 150mm thick concrete block walls with 12mm cement and sand (1:3) rendering to inside and outside face, with holes for two large pipes and 75mm reinforced concrete (class 25) cover slab reinforced with and including 16mm diameter mild steel rod reinforcement at 100mm centres both ways and with 450 x 450mm precast concrete manhole cover reinforced with 6mm diameter mild steel rod reinforcement at 100mm centres both ways and B.R.C. A142 mesh reinforcement, set in cover slab and seal cover with grease and sand including all necessary excavation, disposal and formwork.	No.	7		
I.	Do. <u>but</u> size 900 x 600 x 1200mm deep.	No.	6		
				Shs.	
<u>EXTERNAL WORKS</u>					
<u>EXTERNAL WATER RETICULATION</u>					

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Meter chamber pit do. <u>but</u> precast cover with pair of lifting rings and including 50 x 100mm plain concrete (1:3:6) kerb all round ( <u>Provisional</u> ).	No.	135		
B.	Fire hydrant pit size 625 x 500 x 1000mm (average) deep, internally comprising 50mm thick reinforced precast concrete walls, 75mm thick concrete cover slab reinforced with 10mm mild steel bars at 150mm centres both ways, complete with 2No. recessed 6mm diameter lifting bars, 200mm thick concrete base and benching including all necessary excavations, disposal and formwork.	No.	7		
	<u>Galvanised mild steel pipes class 'C', B.S. 1387, screwed and socketed with screwed fittings to B.S. 1256 galvanised.</u>				
C.	12mm Diameter pipe laid and jointed in trench.	m	15		
D.	38mm Do.	m	383		
E.	50mm Do.	m	343		
F.	63mm Do.	m	20		
G.	100mm Do.	m	8		
H.	200mm Do.	m	15		
I.	250mm Do.	m	76		
	<u>Extra for</u>				
J.	38mm Tees.	No.	43		
K.	50mm Do.	No.	39		
L.	100mm Do.	No.	3		
M.	38mm Reducer.	No.	3		
N.	50mm Do.	No.	7		
				Shs.	
	<u>EXTERNAL WORKS</u> <u>EXTERNAL WATER RETICULATION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	38mm Bend.	No.	12		
B.	50mm Do.	No.	8		
C.	100mm Do.	No.	2		
D.	50mm Diameter adaptor.	No.	3		
	<u>Unplasticised P.V.C. pipes and fittings (class 'D').</u>				
E.	100mm Water main laid and jointed in trenches (measured separately).	m	273		
F.	150mm Do.	m	73		
G.	200mm Do.	m	25		
	<u>Extra for</u>				
H.	100mm Bend.	No.	13		
I.	150mm Do.	No.	8		
J.	200mm Do.	No.	6		
K.	100mm Equal tee	No.	7		
L.	150mm Do.	No.	4		
M.	200mm Do.	No.	5		
N.	100mm Reducing tee.	No.	10		
O.	150mm Do.	No.	8		
P.	200mm Do.	No.	7		
Q.	150mm Plain concrete (1:3:6) bed 600mm wide under pipe not exceeding 150mm diameter and surround pipe with similar concrete 150mm thick including all necessary formwork.	m	346		
				Shs.	
	<u>EXTERNAL WORKS</u>				
	<u>EXTERNAL WATER RETICULATION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	Do. <u>but</u> to 200mm diameter pipe.	m	25		
	<u>Ancillaries</u>				
B.	50mm Fire hydrant to B.S. 750 1964 type 2, as 'Glenfield' or other equal and approved screw down cast iron underground type 2 with spindle and valve cap 65mm screwed outlet piece, cap and chain.	No.	7		
C.	100mm Do.	No.	6		
D.	50mm Cast iron double flange sluice valve to comply to B.S. 5163.	No.	6		
E.	63mm Do.	No.	3		
F.	100mm Do.	No.	5		
G.	150mm Do.	No.	4		
H.	200mm Do.	No.	3		
I.	250mm Do.	No.	5		
J.	Allow for connecting to the existing water mains to the satisfaction of the Architect and the authorities.		Sum		
K.	Allow for testing the whole water main reticulation during progress of the works and again on completion and leave in perfect working order to the satisfaction of the Architect and authorities.		Sum		
				Shs.	
	<u>EXTERNAL WORKS</u>				
	<u>EXTERNAL WATER RETICULATION</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><u>SECTION I</u></p> <p style="text-align: center;"><u>EXTERNAL WATER RETICULATION</u></p> <p style="text-align: center;"><u>COLLECTION</u></p> <p>Brought forward from Page No. 3/30</p> <p style="padding-left: 40px;">" " " " " 3/31</p> <p style="padding-left: 40px;">" " " " " 3/32</p> <p style="padding-left: 40px;">" " " " " 3/33</p> <p><u>TOTAL AMOUNT OF SECTION I CARRIED TO</u> <u>SUMMARY AT END OF BILL NO.8</u></p> <p><u>EXTERNAL WORKS</u> <u>EXTERNAL WATER RETICULATION</u> <u>COLLECTION</u></p>				
				Shs.	



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<u>SECTION J</u>				
	<u>CUT-OFF DRAINS</u>				
A.	Excavate in fill for cut-off drain not exceeding 1.50m deep.	m3	200		
B.	Remove surplus excavated material from site.	m3	100		
	<u>Selected hardcore</u>				
C.	Filling around cut-off drain.	m3	100		
D.	200mm Bed.	m2	150		
	<hr/>				
E.	50mm Plain concrete (1:3:6) blinding under base slab.	m2	100		
F.	Do. <u>but</u> to sides of cut-off drain.	m2	200		
	<u>Vibrated reinforced concrete (class 25)</u>				
G.	200mm Base slab.	m2	350		
H.	200mm Sides.	m2	200		
	<hr/>				
I.	Steel wire fabric mesh reinforcement to B.S. 4483 Ref: A142 as before in concrete bed.	m2	350		
J.	Do. <u>but</u> in sides of drain.	m2	200		
	<u>Sawn formwork</u>				
K.	Edge of base slab 150 - 225mm high.	m	300		
L.	Sides of drain walls	m2	400		
M.	25 x 150mm Fillet planted to form chamfer.	m	250		
				Shs.	
	<u>EXTERNAL WORKS</u>				
	<u>CUT-OFF DRAINS</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
A.	12mm Waterproofed cement and sand (1:4) rendering with 5% 'pudlo' or other equal and approved to base and sides of cut-off drain trowelled hard and smooth.	m2	250		
	<u>Galvanised mild steel</u>				
B.	50 x 50 x 6mm Equal angle frame with 6mm fish tailed lugs welded on at approved centres and cast into and including forming rebate in edge of concrete wall.	m	200		
C.	600mm Wide heavy duty cast iron channel grating and frame in appropriate lengths laid over drain.	m	200		
D.	Prepare, touch up primer and paint one undercoat and two finishing coats of approved oil paint on mild steel grating externally.	m2	100		
				Shs.	
	<u>SECTION J</u>				
	<u>CUT-OFF DRAINS</u>				
	<u>COLLECTION</u>				
	Brought forward from Page No. 3/35				
	" " " " " 3/36				
	<u>TOTAL AMOUNT OF SECTION J CARRIED TO SUMMARY AT END OF BILL NO. 3</u>			Shs.	
	<u>EXTERNAL WORKS</u>				
	<u>CUT-OFF DRAINS</u>				
	<u>COLLECTION</u>				

ITEM No.		AMOUNT (Kshs.)																																	
	<p style="text-align: center;"><u>BILL NO 3</u></p> <p style="text-align: center;"><u>EXTERNAL WORKS</u></p> <p style="text-align: center;"><u>SUMMARY</u></p> <table> <tr> <th><u>Element</u></th><th><u>Title</u></th><th><u>Page No.</u></th></tr> <tr> <td>A</td><td>Site Clearance</td><td>3/2</td></tr> <tr> <td>B</td><td>Access Road</td><td>3/5</td></tr> <tr> <td>C</td><td>Footpaths and grassing to road reserves</td><td>3/7</td></tr> <tr> <td>D</td><td>Paved Parking</td><td>3/9</td></tr> <tr> <td>E</td><td>Paved Walkways</td><td>3/11</td></tr> <tr> <td>F</td><td>Storm Water Drainage</td><td>3/22</td></tr> <tr> <td>G</td><td>Boundary wall</td><td>3/25</td></tr> <tr> <td>H</td><td>Foul Drainage</td><td>3/29</td></tr> <tr> <td>I</td><td>External Water Reticulation</td><td>3/34</td></tr> <tr> <td>J</td><td>Cut Off Drains</td><td>3/36</td></tr> </table>	<u>Element</u>	<u>Title</u>	<u>Page No.</u>	A	Site Clearance	3/2	B	Access Road	3/5	C	Footpaths and grassing to road reserves	3/7	D	Paved Parking	3/9	E	Paved Walkways	3/11	F	Storm Water Drainage	3/22	G	Boundary wall	3/25	H	Foul Drainage	3/29	I	External Water Reticulation	3/34	J	Cut Off Drains	3/36	
<u>Element</u>	<u>Title</u>	<u>Page No.</u>																																	
A	Site Clearance	3/2																																	
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H	Foul Drainage	3/29																																	
I	External Water Reticulation	3/34																																	
J	Cut Off Drains	3/36																																	
	<b>TOTAL AMOUNT OF BILL NO.3 CARRIED TO GRAND SUMMARY</b>	<b>Shs.</b>																																	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p align="center"><b><u>BILL NO. 4</u></b></p> <p align="center"><b><u>PRIME COST SUMS</u></b></p> <p><u>Note: See Appendix 'E' for preambles to Prime Cost and Provisional Sums</u></p> <p><u>The following prime cost sums are for works to be executed complete by nominated sub-contractors.</u></p> <p>A. Include the sum of shillings Thirty million (Shs.30,000,000/-) for electrical and related installations</p> <p>B. Add for profit</p> <p>C. Allow for attendance.</p> <p>D. Include the sum of shillings two million (Shs. 2,000,000/-) for Power supply and distribution</p> <p>E. Add for profit</p> <p>F. Allow for attendance.</p> <p>G. Include the sum of shillings five million only (Shs. 5,000,000/-) for lifts installations</p> <p>H. Add for profit (%)</p> <p>I. Allow for attendance</p> <p>J. Include the sum of shillings Fourty million only (Shs. 40,000,000/-) for mechanical fittings and installations</p> <p>K. Add for profit (%)</p> <p>L. Allow for attendance</p> <p>M. Include the sum of shillings three million only (Shs. 3,000,000/-) for signages and murals.</p> <p>N. Add for profit (%)</p> <p>O. Allow for attendance</p>	<p>Item</p> <p>%</p> <p>Sum</p> <p>Item</p> <p>%</p> <p>Sum</p> <p>Item</p> <p>%</p> <p>Sum</p> <p>Item</p> <p>%</p> <p>Sum</p>			
	<b>TOTAL AMOUNT OF BILL NO. 4 CARRIED TO GRAND SUMMARY</b>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p style="text-align: center;"><b><u>BILL NO. 5</u></b></p> <p style="text-align: center;"><b><u>PROVISIONAL SUMS</u></b></p> <p><u>The following funds to be expensed as directed by the Project Manager</u></p> <p>A. Allow a sum of Kenya shillings Ten million (10,000,000/-) for underground water tanks.</p> <p>B. Allow a sum of Kenya shillings Ten million only (10,000,000/-) for Gate Houses , Gate and Gate Pillars</p> <p>C. Allow a sum of Kenya shillings Five Million Only (5,000,000/-) for Hard and Soft Landscaping</p> <p>D. Allow a sum of Kenya shillings Ten million ( 10,000,000/-) shillings for contingencies</p>	Sum			
	<b>TOTAL AMOUNT OF BILL NO. 5 CARRIED TO GRAND SUMMARY      Shs.</b>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Kshs.)
	<p align="center"><b><u>BILL NO. 6</u></b>  <b><u>DAYWORKS SCHEDULE</u></b>  <b><u>(ALL PROVISIONAL)</u></b></p>				
A.	<p>Allow a provisional sum of Kshs. 2,000,000.00 for Dayworks to be dispensed in accordance to Project Manager's approval</p> <p><b><u>Bidders to fill in the following Schedule of Rates</u></b></p> <p><u>Labour</u>  Payment of labour authorised by the Architects to be employed on Dayworks will be the net amount of wages paid in respect of such labour, in accordance with the rates to be inserted below by the Contractor, plus the percentage addition also to be inserted by the Contractor.</p> <p>The rates inserted against each category of labour will be deemed to be the hourly wages paid to workmen and chargehands, working with their gangs, inclusive of allowances for housing, holidays with pay, annual leave, sick leave, safari allowance and all other allowances required by Government enactments concerning regulations of wages and conditions of employment.</p> <p><u>The percentage addition on net amount of wages defined above will be deemed to cover:-</u>  Supply, transport about the site, use, maintenance and removal of all ordinary hand tools and all equipment used in Dayworks (such as picks, shovels, barrows, ladders, buckets, trestles, stages, scaffolding, hoses, rubber boots, special clothing, tarpaulins, and all items of a like nature), insurance superintendence (including wages of foreman), water supply, artificial lighting overheads, head office, site staff and establishment charges profit, and all other liabilities and obligations whatsoever.</p> <p><u>Net Amount of Wages</u></p>	Sum			2,000,000.00
A.	Labourer.	Hours	1		
B.	General tradesman, category learner.	Hours	1		
C.	Do. <u>but</u> ungraded.	Hours	1		
D.	Do. <u>but</u> Grade III trade tested.	Hours	1		
E.	Do. <u>but</u> Grade II trade tested.	Hours	1		
F.	Do. <u>but</u> Grade I grade tested.	Hours	1		
G.	Light plant operator (compressors, mixers, tractors, rollers, etc.)	Hours	1		
H.	Heavy plant operator (D7 tractors, graders, excavators, etc.).	Hours	1		
I.	Junior headman.	Hours	1		
J.	Senior headman.	Hours	1		
K.	<p>Allow a percentage addition on net amount of wages to cover tools, insurances, etc. as defined above.</p> <p><b><u>DAYWORKS</u></b></p>	%			

	<u>Materials</u>				
A.	Payment for materials authorised by the Project Manager to be used in Dayworks will be the approved net cost of supply and delivery to site of such materials, plus the percentage addition to be inserted below by the Contractor.				
B.	The percentage addition on net cost of materials as defined above will be deemed to cover insurances, overheads, head office, site staff and establishment charges, profit, and all other liabilities and obligations whatsoever.				
C.	Include the Provisional Sum of Shillings One Hundred Thousand (Shs. 100,000/-) for the approved net cost of supply and delivery to site of materials to be used in Dayworks.	Sum			50,000.00
D.	Allow a percentage addition on net cost of materials to cover insurances, overhead charges, profit, etc., as defined above.				
	<u>Plant</u>				
E.	Payment for the use of heavy plant (such as compressed air equipment, concrete mixers, pumps, excavators and the like) authorised by the Architect to be used in Dayworks will be the approved net hire charges, plus the percentage addition to be inserted below by the Contractor.				
F.	The 'approval net hire charges' of heavy plant (covered by a Provisional Sum below) shall mean the approved invoiced hire charges including delivery to site, and subsequent removal, after deduction of trade discounts, but without deduction of cash discounts not exceeding 2 1/2% which shall be retained by the Contractor, or, in the case of use of the Contractor's own heavy plant, current hire charges plus justifiable charges for handling, delivery to and removal from the site.				
G.	Include the Provisional Sum of Shillings One Hundred Fifty Thousand (Shs. 150,000/-) for the approved net hire charges of heavy plant to be used in Dayworks.	Sum			150,000.00
H.	Allow a percentage addition on net hire charges of heavyplant to cover insurances, overhead charges, profit, etc. as defined above.	%			
	<u>Direct Charges</u>				
I.	Payment for direct charges authorised by the Architect to be incurred in Dayworks will be the approved net cost of such direct charges plus the percentage addition to be inserted below by the Contractor.				
	<b>TOTAL AMOUNT OF BILL NO. 6 CARRIED TO GRAND SUMMARY</b>			<b>Shs.</b>	

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<p align="center"><b><u>BILL NO. 7</u></b> <b><u>SCHEDULE OF RATES</u></b></p> <p><u>NOTE:</u></p> <p>1. The rates inserted herein are to include for all costs of labour, overheads and contractors profit..</p> <p>2. The rates shall be the basis for provisional sums and items for works executed on Project Manager's instructions.</p> <p>3. The rates shall be the basis for variations for the works executed on Architects or Engineers variations.</p> <p><u>Concrete Works</u></p> <p><u>Vibrated reinforced concrete (class 30) waterproofed with and including 'Sika 1' or other equal and approved waterproofing compound in strict accordance with the manufacturer's instructions.</u></p> <p>A. Column bases/ Columns/ Beams</p> <p>m3 1</p> <p>B. 200mm Bed laid on damp proof membrane (measured separately) in bays not exceeding 35 square metres including formwork to edge of bays .</p> <p>m2 1</p> <p><u>Vibrated reinforced concrete (class 20)</u></p> <p><u>Note: Rates to include expansion joint filler including all necessary formwork to the concrete works.</u></p> <p>C. Columns and Beams</p> <p>m3 1</p> <p>D. 200mm thick suspended slabs</p> <p>m2 1</p> <p><u>Steel Support</u></p> <p>E. 203 x 203 x 46 Kg/Lm universal column</p> <p>kg 1</p> <p>F. 152 x 152 x 3 Kg/Lm universal column</p> <p>kg 1</p> <p>G. 50mm Diameter Circular Hollow Section</p> <p>m 1</p> <p><u>Bolts</u></p> <p>H. M20 x 300mm long holding down bolts</p> <p>No 1</p> <p><u>Base plate</u></p> <p>I. 350mm x 350mm x 3mm steel plates</p> <p>No. 1</p> <p>J. 600mm x 600mm x 8mm steel plates</p> <p>No. 1</p> <p><u>Walling</u></p> <p><u>Local Handressed stone walling in 200mm course heights, bedded and jointed in cement sand mortar (1:3), reinforced with 20 gauge x 25mm wide hoop iron reinforcement and column wall ties in every alternate course</u></p> <p>K. 200mm Load bearing (7N/mm2) walling.</p> <p>m2 1</p> <p>L. 150mm internal Walling</p> <p>m2 1</p> <p><u>SCHEDULE OF RATES</u></p>				



ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Local Handressed Ndarugu stone walling in 200mm course heights, bedded and jointed in cement sand mortar (1:3), reinforced with 20 gauge x 25mm wide hoop iron reinforcement and column wall ties in every alternate course</u>				
A.	200mm Load bearing walling.	m2	1		
B.	150mm internal Walling	m2	1		
	<u>Hand dressed blue natural stone walling bedded and jointed in cement sand mortar (1:3)</u>				
C.	200mm Load bearing walling.	m2	1		
	<u>Extra Over Natural stone walling for:</u>				
D.	Raking Cutting	m	1		
E.	Fair Curved Cutting	m	1		
	<u>Hollow Concrete Block Walling</u>				
F.	100 mm Thick	m2	1		
G.	200 mm Thick	m2	1		
	<u>Partitioning</u>				
	<u>Supply, assemble and fix the following aluminium framed glass partitions with decorative timber slats</u>				
H.	10mm Laminated glass partition in 100 x 50mm powder aluminium section frames and glazing beads (decorative timber slats measured separately).	m2	1		
I.	75mm Wide x 18mm thick laminated MDF strips to approval fixed onto glass	m2	1		
	<u>Supply, assemble and fix yellow laminated MDF partitions</u>				
J.	100mm Thick overall dry wall partition comprising approved timber studs faced both sides with 18mm thick yellow laminated MDF boards to approval.	m2	1		
	<u>Supply, assemble and fix reinforced gypsum partition</u>				
K.	87mm Thick overall dry wall partition comprising 100 x 50 x 6mm rectangular hollow section frame structure at 600mm centres both ways both sides clad with and including 6mm steel plate cover welded onto the frame structure, 3mm angle sections welded onto the 6mm steel plate cover at 600mm centres both ways and 12mm thick gypsum boards facing screwed onto the 3mm angle sections	m2	1		
	<u>Aluco Bond Panels</u>				
L.	8mm thick alucobond lining and fixing to concrete/masonry surfaces with and including plugged aluminum frames complete with all bending, moulding, overlaps and hoisting to position approximately 15m high	m2	1		
	<u>SCHEDULE OF RATES</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Roof Covering and Trusses</u>				
	<u>The following in gauge 26 galvanized mild steel</u>				
A.	8mm Thick 2-walled clear polycarbonate roof sheets fixed to metal as per the Manufacturer's written instructions	m	1		
B.	Approved Decra Tiles from Space and Styles	m2	1		
C.	Portugues Clay roofing tiles from Clay Works Limited	m2	1		
	<u>Universal beams/columns</u>				
D.	203 x 133 x 25Kg/m in joist	kg	1		
E.	254 x 254 x 46Kg/m in Stanchions	kg	1		
F.	254 x 254 x 73Kg/m Ditto	kg	1		
G.	Mortice in concrete for end of joist 203 x 133Kg/m universal beam and grouting in mortar	No.	1		
	<u>The following in Steel Trusses:</u>				
H.	150 x 75 x 3mm Thick rectangular steel hollow section tie beams	m	1		
I.	50 x 3mm Thick square steel hollow sections ties and struts	m	1		
J.	50 x 40 x 3mm Purlin	m	1		
K.	75 x 3mm Square hollow steel section tie beams	m	1		
L.	75 x 3mm Ditto rafters	m	1		
M.	75 x 3mm Ditto struts	m	1		
N.	50 x 3mm Ditto ties and struts	m	1		
O.	Welded ends of 75 x 3mm square steel hollow section	No.	1		
P.	Ditto 50 x 3mm ditto	No.	1		
	<u>The following in gauge 26 galvanized mild steel</u>				
Q.	250 x 250mm box gutter fixed with and including 30x4mm mild steel flat brackets at 600mm centres	m	1		
R.	Extra over gutter for stopped end with 200x200mm outlet	No.	1		
S.	200mm upvc diameter down pipe	No.	1		
T.	Approved light gauge steel sun shading double fins overall size 350mm deep by 13500mm high complete with approved acoustic fill, finish and connection accessories as sun-shading fins fixed to concrete and/or masonry walling	No.	1		
	<u>SCHEDULE OF RATES</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Rain Water Goods</u>				
	<u>The following in gauge 26 galvanized mild steel</u>				
A.	250 x 250mm box gutter fixed with and including 30x4mm mild steel flat brackets at 600mm centres	m	1		
B.	Extra over gutter for stopped end with 200x200mm outlet	No.	1		
C.	200mm upvc diameter down pipe	No.	1		
D.	Extra for stopped ends	No.	1		
E.	Extra for swan neck 300mm long	No.	1		
F.	Extra over for shoe 200mm long	No.	1		
	<u>Painting</u>				
	<u>Prepare and apply by spraying one coat of red oxide primer on;-</u>				
G.	General surfaces of metal	m2	1		
	<u>Prepare and apply by spraying coats of gloss oil paint</u>				
H.	General surfaces of metal	m2	1		
	<u>Windows</u>				
I.	Aluminium sun shading double fins size 350mm deep by 13500mm high complete with finish to Architect's approval	No.	1		
J.	250 x 75mm Precast concrete (class 20) sunk, weathered and throated cill cast in convenient lengths, reinforced as necessary for handling, bedded, jointed and pointed in gauged mortar and finished fair on all exposed faces.	m	1		
	<u>Standard section purpose made heavy duty glazed casement window in modular pane size 200 x 250 mm high complete with frame, sub-frame, mullions, transoms, glazing bars, 25 x 4 mm thick burglar proofing flat bars at 200 mm and 250 mm horizontally and vertically in all openable panes, all necessary pegs, polished brass handles and stays, pin type heavy duty hinges, mosquito proofed hooded permanent vent, fixing lugs cast on, one coat red oxide primer before fixing, one undercoat and three finishing coats gloss oil paint to surfaces and pointing with approved mastic sealant all round frame</u>				
K.	Overall Window size 3400 x 1200mm	Nr.	1		
	<u>Glazing</u>				
L.	5mm Clear float glass and glazing to steel with beads (supplied) in panes 0.50 - 1.00 square metres.	m2	1		
M.	6mm Clear float glass and glazing to steel with beads (supplied) in panes 0.50 - 1.00 square metres.	m2	1		
M.	8mm Clear float glass and glazing to steel with beads (supplied) in panes 0.50 - 1.00 square metres.	m2	1		
N.	6mm Obscured glass and glazing to metal with putty in panes not exceeding 0.10 square metres.	m2	1		
	<u>SCHEDULE OF RATES</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>Doors</u> The following doors shall conform in every respect with drawings bracketed after every item description and to the entire satisfaction of the Architect.				
	<u>Supply, assemble and fix the following aluminium framed glass doors.</u>				
A.	Pivoted single leaf swing door size 900 x 2700mm high comprising approved colour powder coated aluminium sections stiles, head and bottom rebated for glass, the panel filled in with and including 8mm thick laminated glass and glazing with decorative film and approved glazing beads approved colour powder coated rebated aluminium section frame fixed to structure complete with rubber silencer strips, with aluminium lock systems with cylinder locks to Union or equivalent and approved and dorma door closer to approval.	No.	1		
B.	Single panel sliding door overall size 900 x 2450mm fixed in between aluminium window panes and comprising 100 x 50mm approved colour powder coated aluminium sections rebated for glass and the panel filled in with and including 8mm thick clear float glass and glazing with approved glazing beads including 3No. 150 x 50mm aluminium butt hinges, approved sliding mechanism, aluminium high security cylinder locks, stainless steel push and pull handles.	No.	1		
	<u>Supply, assemble and fix the following purpose made steel doors constructed from approved sections including one coat of red oxide primer by manufacturer before delivery on site.</u>				
C.	Glazed security door size 1000 x 2450mm high with and including 12mm thick glass and glazing with decorative film and approved glazing beads .	No.	1		
	<u>Pressed mild steel frames</u>				
D.	100 x 50mm Rectangular hollow section frame fixed to structure to approval.	m	1		
	<u>Supply and fix the following UNION ironmongery or other equal To mild steel doors (C(32)04)</u>				
E.	450mm Long TAPIS door pull handles - PH 201	No.	1		
F.	Heavy duty hinges to carry door weight.	Prs.	1		
G.	Floor mounted door stop.	No.	1		
H.	Heavy duty door closer as Briton 2003 or equivalent and approved.	No.	1		
I.	120 x 2mm Brushed stainless steel kick plate to approval.	No.	1		
J.	Double profile cylinder locks.	No.	1		
	<u>SCHEDULE OF RATES</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A.	Prepare and apply one coat of aluminium wood primer on backs of wood surfaces in contact with concrete, maonsry or plaster.	m2	1		
B.	Prepare, touch up primer and paint one undercoat and two finishing coats of 'Crown Paints Solo' or other equal and approved oil paint on general surfaces of metal doors internally.	m2	1		
	<u>Wall Finishes</u>				
C.	Supply and fix approved 300 x 150 x 25mm Thick natural wall stone tiles all to the Architect's approval.	m2	1		
D.	Prepare surfaces and apply 'Africa' decorative paint paste available from Classic Mouldings Limited or any other equal and approved on existing plastered masonry walls strictly in accordance with the manufacturer's printed specifications complete with all preparatory work and to the entire satisfaction of the Architect.	m2	1		
E.	High-quality eco-friendly PU-Leather (Leatherette),100% PVC-free Leather covered acoustic padding on walls complete with high impact polystyrene backing.				
F.	25mm Thick decorative laminated MDF panels to approval on existing plastered wall complete with and including approved recessed stainless steel strips at approved intervals	m2	1		
G.	18mm Thick 'Bavarian beech' laminated MDF cladding on plastered columns with and including 40mm wide recessed stainless steel strips at approved intervals and 100mm wide recessed top and bottom stainless steel strip.	m2	1		
H.	12mm Thick steel chequer plate welded to 100 x 50 x 6mm thick rectangular hollow section joists bolted to concrete floor slab at approved centres.	m2	1		
I.	Take delivery and fix only 600 x 600mm granito floor tiles fixed on backing screed (measured separately) with an approved adhesive and jointed and flush pointed with grouting to match tile (fixing adhesive by the Contractor).	m2	1		
	<u>Ceiling Finishes</u>				
J.	600 x 600mm Ultima DB Armstrong micro-lock profile or any other equal and approved acoustic panel suspended ceiling laid in accordance with the manufacturer's printed specifications complete with and including approved suspension system.	m2	1		
K.	600 x 600mm Madera Armstrong micro-lock profile or any other equal and approved acoustic panel suspended ceiling laid in accordance with the manufacturer's printed specification complete with and including approved suspension system.	m2	1		
	<u>SCHEDULE OF RATES</u>				

ITEM No.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A.	12mm Thick covered/moulded gypsum board suspended ceiling on and including approved stainless steel stud suspension supports strictly in accordance with the manufacturer's printed specifications.	m2	1		
B.	Moulded gypsum ceiling with rectangular centre recess.	m2	1		
C.	Perimeter moulded gypsum ceiling.	m2	1		
D.	Decorative rectangular centre gypsum moulding.	m2	1		
	<u>The following in backlit perspex glass</u>				
E.	Approved backlit white perspex glass fixed to suspended ceiling with and including 50mm stainless steel frame to Architects approval.	m2	1		
	<u>Joinery Fittings and Fixtures</u>				
F.	4000 x 1800 x 1100mm High overall reception desk curved on plan to an average of 3850mm radius consisting of 20mm MDF substrate; 3No. 100mm wide horizontal buttressing ribs; 20mm thick blockboard 800mm wide lower work top finished in and including 20mm granite; 20mm thick MDF; 300mm wide top worktop finished in 15mm granite; 350mm high top fascia in 20mm MDF substrate finished in 15mm granite; 750mm high facade finished in 6mm thick "Corean" including polishing all granite edges.				
	<u>Shelving</u>				
G.	25mm Thick laminated block board	m2	1		
H.	50 x 25mm Wrot mahogany bearers plugged	m	1		
I.	25 x 10mm Lipping	m	1		
J.	Knot, prime, stop and apply three coats of clear varnish to finished surfaces not exceeding 100mm girth	m	1		
	<u>Prime Cost Sums</u>				
K.	Allow for %age as profit for works undertaken by Nominated Sub-contractor.	%			
L.	Allow for % as attendance for works undertaken by Nominated Sub-contractor.	%			
	<u>External Works</u>				
M.	60mm Thick heavy duty 35N/mm2 compressive strength Bamburi blox or other equal and approved precast concrete block paving in approved pattern laid on sand bed (measured separately) to falls, crossfalls and cambers including all necessary compaction.	m2			
	<u>SCHEDULE OF RATES</u>				

ITEM No.					AMOUNT
		<u>GRAND SUMMARY</u>			
	<u>BILL No.</u>	<u>DESCRIPTION</u>			
	1	GENERAL PRELIMINARIES			
		PARTICULAR PRELIMINARIES			
	2	ADMINISTRATION BLOCK			
	3	EXTERNAL WORKS			
	4	PRIME COST SUMS			
	5	PROVISIONAL SUMS			
	6	DAYWORKS SCHEDULE			2,000,000.00
		<u>TOTAL AMOUNT OF GRAND SUMMARY CARRIED TO FORM OF TENDER</u>			
Amount in _____					
Words (Kshs): _____					
Name of Contractor : .....					
NCA Registration Number .....					
Address: .....					
Signature: .....					
Date and Stamp: .....					