

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>AMOUNT</i>
	<p><u>PRICING ITEMS OF PRELIMINARIES</u></p> <p>THE FOLLOWING IN PARTICULAR PRELIMINARIES</p> <p>PARTICULAR PRELIMINARIES ITEMS Please note that failure to price any item of general particular preliminaries will be construed to mean that the tenderer wishes to provide for that item free of charge.</p>	
A	<p>VALUE ADDED TAX & WITHHOLDING TAX</p> <p>The contractor shall allow for addition of 16% Value Added Tax (V.A.T.) within the rates of these Bills of Quantities. Any omission in respect thereof shall be treated and corrected as an arithmetic error as per clause 5 of the instructions to Tenderers. The Contractor shall also allow for 3% Withholding Tax which should be included within the pricing rates. Please note that from every Interim and Final Payment 3% Withholding Tax shall be deducted and paid directly to the K.R.A.</p>	
B	<p>FIRM PRICE CONTRACT</p> <p>This is a firm price contract and the Contractor must allow in his tender rates for any increase in the cost of labour and/ or materials during the currency of the contract.</p>	
C	<p>SCOPE OF THE CONTRACT</p> <p>The works to be carried out under this contract comprises PROPOSED CONSTRUCTION OF CENTRAL KITCHEN FOR SCHOOL FEEDING PROGRAMME IN IKINU PRIMARY SCHOOL IN GITHUNGURI CONSTITUENCY</p>	
D	<p>DESCRIPTION OF THE WORKS</p> <p>Proposed construction of a laboratory as per the Architects specifications</p>	
E	<p>MEASUREMENTS</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 document shall immediately be referred to the Project Manager.</p>	
F	<p>LOCATION OF SITE</p> <p>The site for works is located in IKINU-Githunguri Constituency</p> <p>The tenderer shall be deemed to have visited the site and familiarized himself with all site conditions prior to submission of tenders. No claims arising from the tenderers failure to do so will be entertained.</p>	
	Total Carried To Collection	

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>AMOUNT</i>
A	<p>EXISTING BUILDING SERVICES</p> <p>Special precautions shall be required throughout the contract period to avoid damage to the existing cables, drains and other services. The Contractor shall allow for making good any damage arising from his actions during execution of this contract at his own expense.</p>	
B	<p>GENERAL SPECIFICATIONS</p> <p>The Contractor is referred to General Specifications for Building Works – 1976 Edition Pages B1 – B2 and must allow for all costs in complying with these clauses</p>	
C	<p>CONTRACT COMPLETION PERIOD</p> <p>The contract completion period in accordance with condition 31 of the conditions of contract must be strictly adhered to. The PROJECT MANAGER shall strictly monitor the Contractors progress in relation to the progress chart and should it be found necessary, the PROJECT MANAGER 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.</p>	
D	<p>WORKING CONDITIONS</p> <p>The Contractor shall allow in his rates for any interference that he may encounter in the course of execution 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.</p>	
E	<p>SIGN BOARD</p> <p>Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project Manager</p>	30,000
F	<p>LABOUR CAMPS</p> <p>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.</p>	
G	<p>MATERIALS FROM DEMOLITIONS</p> <p>Any materials arising from demolitions and not re-used shall become the property of the government. The Contractor shall allow in his rates for the cost of assembling and keeping them at the Department of Public Works, Kiambu County.</p>	
	Total Carried To Collection	30,000

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>AMOUNT</i>
A	<p>PRICING RATES</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>	
B	<p>PARTICULARS OF INSERTIONS TO BE MADE IN APPENDIX TO THE CONTRACT AGREEMENT</p> <p><i>The following are the insertions to be made in the appendix to the Contract Agreement: -</i></p> <p>Period of Final Measurement - 3 Months From Practical completion Defects Liability Period - 6 Months from practical completion Date for Possession - To be agreed with the Project Manager Date for Completion - To be agreed with the Project Manager Liquidated and Ascertained At the rate of Kshs 20,000.00 per week or part thereof</p> <p>Prime cost sums for which the The Contractor desires to tender</p> <p>(a).....</p> <p>(b).....</p> <p>©.....</p> <p>Period of Interim Certificate - Monthly Period of Honouring Certificates - 30 days Percentage of Certified Value Retained - 10% Limit of Retention Fund - 10% Bonds Shall be from Approved Banks and Insurance Companies</p>	
C	<p>COMMISSIONING PLAQUES</p> <p>Supply and fix 8 mm thick marble plaque overall size 600 x 600mm with white ground bedded in cement sand 1:3 mortar on masonry wall where directed by client including black lettering in uppercase style the following project details.</p> <p>a)NAME OF GITHUNGURI CDF PROJECT b) OFFICIAL DATE OPENING c) Name of the member of parliament</p>	50,000
	Total Carried To Collection	50,000

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>AMOUNT</i>
A	<p>PROJECT NAME WRITING ON PAINTED WALL UPON COMPLETION</p> <p>Allow for writing in white colour uppercase style on masonry wall where directed by the client ; the name of the project funded by the CDF Githunguri</p>	50,000
	COLLECTION	
	Brought Forward From Page P/1	
	Brought Forward From Page P/2	30,000
	Brought Forward From Page P/3	50,000
	Current page P/4	50,000
	TOTAL FOR Particular PRELIMINARIES ~ CARRIED TO GRAND SUMMARY	130,000

ITEM	DESCRIPTION	AMOUNT
A	<p>PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES</p> <p>THE FOLLOWING IN GENERAL PRELIMINARIES</p> <p>Prices will be inserted against items of Preliminaries in the Contractor's priced Bills of Quantities and Specifications.</p> <p>The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract</p>	
B	<p>ABBREVIATIONS</p> <p>Throughout these Bills, units of measurement and terms are abbreviated and shall be interpreted as follows:-</p> <p>C.M. Shall mean cubic metre S.M. Shall mean square metre L.M. Shall mean linear metre mm Shall mean millimetre KG. Shall mean Kilogramme NO. Shall mean Number PRS. Shall mean Pairs B.S. Shall mean the British Standard Specification Published by the British Standards Institution, 2 Park Street, London W.I., England. Ditto Shall mean the whole of the preceding description except as qualified in the description in which it occurs. m.s. Shall mean measured separately. a.b.d Shall mean as before described. P.M. Shall mean Project Manager</p>	
C	<p>EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT</p> <p>Attendance ; Clause B19(a) of the Standard Method of Measurement is deleted and the following clause is substituted:-</p> <p>Attendance on nominated Sub-Contractors shall be given as an item in each case shall be deemed to include: allowing use of standing scaffolding, mess rooms, sanitary accommodation and welfare facilities; provision of special scaffolding where necessary; providing space for office accommodation and for storage of plant and materials; providing light and water for their work; clearing away rubbish; unloading checking and hoisting; providing electric power and removing and replacing duct covers, pipe casings and the like necessary for the execution and testing of Sub-Contractors' work and being responsible for the accuracy of the same.</p>	
	<p>Total Carried To Collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>Fix Only:-</u></p> <p>Fix Only shall mean take delivery at nearest railway station (Unless otherwise directed by the Project Manager), pay all demurrage charges, load and transport to site where necessary, unload, store, unpack, assemble as necessary, distribute to position, hoist and fix only.</p>	
B	<p>EMPLOYER</p> <p>The "Employer" is: NG-CDFGITHUNGURI CONSTITUENCY The term "Employer" and "Government" wherever used in the contract document shall be synonymous</p>	
C	<p>PROJECT MANAGER</p> <p>The term "P.M." wherever used in these Bills of Quantities shall be deemed to imply the Project Manager as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the Government.</p>	
D	<p>ARCHITECT</p> <p>The term "Architect" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is County Public Works</p>	
E	<p>QUANTITY SURVEYOR</p> <p>The term "Quantity Surveyor" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is County Public Works</p>	
F	<p>ELECTRICAL ENGINEER</p> <p>The term "Electrical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is County Public Works</p>	
G	<p>MECHANICAL ENGINEER</p> <p>The term "Electrical Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is County Public Works</p>	
H	<p>STRUCTURAL ENGINEER</p> <p>The term "Structural Engineer" shall be deemed to mean "The P.M." as defined above whose address unless otherwise notified is County Public Works</p>	
	Total Carried To Collection	

ITEM	DESCRIPTION	AMOUNT
A	<p>FORM OF CONTRACT</p> <p>The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for Procurement of Building Works(2006 Edition) included herein The Conditions of Contract are also included herein Conditions of Contract; These are numbered from 1 to 38 as set out in pages 18 to 38 of 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>	
B	<p>BOND</p> <p>The Contractor shall find and submit on the Form of Tender and approved bank and who will be willing to be bound the Government in and amount equal to five per cent (5%) of the Contract amount for the due performances of the Contract up to the date of completion as certified by the PROJECT MANAGER and who will when and if called upon, sign a Bond to that effect on the relevant standard form included herein. (without the addition of any limitations) on the same day as the Contract Agreement is signed, by the Government, the Contractor shall furnish within seven days another Surety to the approval of the Government.</p>	10,000
	<p>PLANT, TOOLS AND VEHICLES</p> <p>Allow for providing all scaffolding, plant, tools and vehicles required for the works except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein. No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.</p>	150,000
C	<p>TRANSPORT</p> <p>Allow for transport of workmen, Ministry of works supervision personnel, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities</p>	
D	<p>MATERIALS AND WORKMANSHIP</p> <p>All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. 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 they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.</p>	
	Total Carried To Collection	160,000

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>AMOUNT</i>
A	<p>SIGN FOR MATERIALS SUPPLIED.</p> <p>The Contractor will be required to sign a receipt for all articles and materials supplied by the PROJECT MANAGER at the time of taking deliver thereof, as having received them in good order and condition, and will thereafter be responsible for any loss or damage and for replacements of any such loss or damage with articles and/or materials which will be supplied by the PROJECT MANAGER at the current market prices including Customs Duty and V.A.T., all at the Contractor's own cost and expense, to the satisfaction of the PROJECT MANAGER</p>	
B	<p>STORAGE OF MATERIALS</p> <p>The Contractor shall provide at his own risk and cost where directed on the site weather proof lock-up sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the PROJECT MANAGER Nominated Sub- Contractors are to be made liable for the cost of any storage accommodation provided especially for their use.</p>	20,000
C	<p>SAMPLES</p> <p>The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called for by the PROJECT MANAGER for his approval until such samples are approved by the PROJECT MANAGER and the PROJECT MANAGER, may reject any materials or workmanship not in his opinion to be up to approved samples. The PROJECT MANAGER 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 Contractor and not at the expense of the PROJECT MANAGER. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Roads, Housing and Public 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 PROJECT MANAGER The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work.</p>	50,000
Total Carried To Collection		70,000

ITEM	DESCRIPTION	AMOUNT
A	<p>GOVERNMENT ACTS REGARDING WORKPEOPLE ETC.</p> <p>Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople.</p> <p>The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps , passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain from the relevant Authority the fullest information regarding all such regulations and/or restrictions which may affect the organisation of the works, supply and control of labour, etc., and allow accordingly in his tender. No claim in respect of want of knowledge in this connection will be entertained.</p>	
B	<p>SECURITY OF WORKS ETC.</p> <p>The Contractor shall be entirely responsible for the security of all the works stores, materials, plant, personnel, etc., both his own and sub-contractors' and must provide all necessary watching, lighting and other precautions as necessary to ensure security against theft, loss or damage and the protection of the public</p>	
C	<p>PUBLIC AND PRIVATE ROADS.</p> <p>Maintain as required throughout the execution of the works and make good any damage to public or private roads arising from or consequent upon the execution of the works to the satisfaction of the local and other competent authority and the PROJECT MANAGER</p>	
D	<p>EXISTING PROPERTY.</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 from the execution of this contract at his own expense to the satisfaction of the PROJECT MANAGER</p>	
E	<p>VISIT SITE AND EXAMINE DRAWINGS.</p> <p>The Contractor is recommended to examine the drawings and visit the site the location of which is described in the Particular Preliminaries hereof. He shall be deemed to have acquainted himself therewith as to its nature, position, means of access or any other matter which, may affect his tender. No claim arising from his failure to comply with this recommendation will be considered.</p>	
	Total Carried To Collection	

ITEM	DESCRIPTION	AMOUNT
A	<p>ACCESS TO SITE AND TEMPORARY ROADS</p> <p>Means of access to the Site shall be agreed with the PROJECT MANAGER prior to commencement of the work and Contractor must allow for building any necessary temporary access roads (approximately 70 metres long) for the transport of the materials, plant and workmen as may be required for the complete execution of the works including the provision of temporary culverts, crossings, bridges, or any other means of gaining access to the Site. Upon completion of the works, the Contractor shall remove such temporary access roads; temporary culverts, bridges, etc., and make good and reinstate all works and surfaces disturbed to the satisfaction of the PROJECT MANAGER</p>	
B	<p>AREA TO BE OCCUPIED BY THE CONTRACTOR</p> <p>The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the PROJECT MANAGER</p>	
C	<p>OFFICE ETC. FOR THE PROJECT MANAGER</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 PROJECT MANAGER 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. The Contractor shall make available on the Site as and when required by the "PROJECT MANAGER" a modern and accurate level together with levelling staff, ranging rods and 50 metre metallic or linen tape.</p>	
D	<p>WATER AND ELECTRICITY SUPPLY FOR THE WORKS</p> <p>The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the PROJECT MANAGER .</p> <p>The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost. Nominated Sub-- contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own use.</p>	220,000
	Total Carried To Collection	220,000

ITEM	DESCRIPTION	AMOUNT
A	<p>SANITATION OF THE WORKS</p> <p>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 PROJECT MANAGER</p>	
B	<p>SUPERVISION AND WORKING HOURS</p> <p>The works shall be executed under the direction and to the entire satisfaction in all respects of the PROJECT MANAGER who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and sub-Contractors or other places where work is being prepared for the contract.</p>	
C	<p>PROVISIONAL SUMS</p> <p>The term "Provisional Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7(i) of the Standard Method of Measurement mentioned in Condition No. 16 of the conditions of Contract. Such sums are net and no addition shall be made to them for profit.</p>	
D	<p>PRIME COST (OR P.C.) SUMS.</p> <p>The term "Prime Cost Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (ii) of the Standard Method of Measurement mentioned in Condition No. 16 of the conditions of Contract. Persons or firms nominated by the PROJECT MANAGER to execute work or to provide and fix materials or goods as stated in Condition No. 20 of the Conditions of Contract are described herein as Nominated Sub-Contractors. Persons or firms so nominated to supply goods or materials are described herein as Nominated Suppliers.</p>	
E	<p>PROGRESS CHART.</p> <p>The Contractor shall provide within two weeks of Possession of Site and in agreement with the PROJECT MANAGER a Progress Chart for the whole of the works including the works of Nominated Sub-Contractors ; one copy to be handed to the PROJECT MANAGER and a further copy to be retained on Site. Progress to be recorded and chart to be amended as necessary as the work proceeds.</p>	50,000
	Total Carried To Collection	50,000

ITEM	DESCRIPTION	AMOUNT
A	<p>ADJUSTMENT OF P.C. SUMS.</p> <p>In the final account all P.C. Sums shall be deducted and the amount properly expended upon the PROJECT MANAGER'S order in respect of each of them added to the Contract sum. The Contractor shall produce to the PROJECT MANAGER such quotations, invoices or bills, properly receipted, as may be necessary to show the actual details of the sums paid by the Contractor. Items of profit upon P.C. Sums shall be adjusted in the final account pro-rata to the amount paid.</p> <p>Items of "attendance" (as previously described) following P.C. Sums shall be adjusted pro-rata to the physical extent of the work executed (not pro-rata to the amount paid) and this shall apply even though the Contractor's priced Bill shows a percentage in the rate column in respect of them. Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be as if the work were executed by a Nominated Sub-Contractor.</p>	
B	<p>ADJUSTMENT OF PROVISIONAL SUMS.</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 PROJECT MANAGER'S order added to the Contract Sum. Such work shall be valued as described for Variations in Conditions No. 13 of the Conditions of Contract, but should any part of the work be executed by a Nominated Sub-Contractor, the value of such work or 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 profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added</p>	
C	<p>NOMINATED SUB-CONTRACTORS</p> <p>When any work is ordered by the PROJECT MANAGER to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts as described in Condition No. 20 of the Conditions of Contract and shall thereafter be responsible for such sub- contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries.</p> <p>The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C. Sums under the description "add for Attendance".</p>	
D	<p>DIRECT CONTRACTS</p> <p>Notwithstanding the foregoing conditions, the Government 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. In any such instances, profit relative to the P.C. Sum the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.</p>	
	Total Carried To Collection	

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>AMOUNT</i>
A	<p>ATTENDANCE UPON OTHER TRADESMEN, ETC.</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 use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such cutting away for and making good after the work of such tradesmen or persons as may be ordered by the PROJECT MANAGER and the work will be measured and paid for to the extent executed at rates provided in these Bills.</p>	
B	<p>INSURANCE</p> <p>The Contractor shall insure as required in Conditions Nos. 22 and 23 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the PROJECT MANAGER 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. Thereafter the PROJECT MANAGER shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the PROJECT MANAGER's inspection.</p>	
C	<p>PROVISIONAL WORK</p> <p>All work described as "Provisional" in these Bills of Quantities is subject to remeasurement in order to ascertain the actual quantity executed for which payment will be made. All "Provisional" and other work liable to adjustment under this Contract shall be made. All "Provisional" and other work liable to adjustment under this Contract shall left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the PROJECT MANAGER</p> <p>Immediately the work is ready for measuring, the Contractor shall give notice to the PROJECT MANAGER. If the Contractor makes default in these respects he shall if the PROJECT MANAGER so directs uncover the work to enable all measurements to be taken and afterwards reinstate at his own expense.</p>	
D	<p>ALTERATIONS TO BILLS, PRICING, ETC.</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 any items against which no price has been inserted in the priced Bills of Quantities.</p>	
E	<p>All items of measured work shall be priced in detail and the Tenders containing Sums to cover trades or groups of work must be broken down to show the price of Lump of each item before they will be accepted.</p>	
	Total Carried To Collection	

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>AMOUNT</i>
A	<p>BLASTING OPERATIONS</p> <p>Blasting will only be allowed with the express permission of the PROJECT MANAGER 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 PROJECT MANAGER governing the use and storage of explosives.</p>	
B	<p>MATERIALS ARISING FROM EXCAVATIONS</p> <p>Materials of any kind obtained from the excavations shall be the property of the Government. Unless the PROJECT MANAGER 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 PROJECT MANAGER 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>	
C	<p>PROTECTION OF THE WORKS.</p> <p>Provide protection of the whole of the works contained in the Bills of Quantities, including casing , casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the PROJECT MANAGER and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Government</p>	
D	<p>REMOVAL OF RUBBISH ETC.</p> <p>Removal of rubbish and debris from the Buildings and site as it accumulates and at the completion of the works and remove all plant, scaffolding and unused materials at completion.</p>	
E	<p>WORKS TO BE DELIVERED UP CLEAN</p> <p>Clean and flush all gutters, rainwater and waste pipes, manholes and drains, wash (except where such treatment might cause damage) and clean all floors, sanitary fittings, glass inside and outside and any other parts of the works and remove all marks, blemishes, stains and defects from joinery, fittings and decorated surfaces generally, polish door furniture and bright parts of metalwork and leave the whole of the buildings watertight, clean, perfect and fit for occupation to the approval of the PROJECT MANAGER</p>	
F	<p>FIRM PRICE CONTRACT</p> <p>Unless otherwise specifically stated in the Particular Preliminaries this is a firm price contract and the Contractor must allow in his tender rates for any increase in the cost of labour and/or materials during the currency of the contract.</p>	
	Total Carried To Collection	

ITEM	DESCRIPTION	AMOUNT
A	<p>GENERAL SPECIFICATION</p> <p>For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads and Public Works and Housing General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.</p>	
B	<p>TRAINING LEVY</p> <p>The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs. 50,000.00 in value.</p>	
C	<p>MATERIALS ON SITE</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 PROJECT MANAGER.</p> <p>This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.</p>	
D	<p>HOARDING</p> <p>The Contractor shall enclose the site or part of the works under construction with a hoarding 4000 mm high consisting of iron sheets on 100 x 50 mm timber posts firmly secured at 1800 mm centres with two 75 x 50 mm timber rails. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site.</p>	200,000
E	<p>CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</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 Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>	
F	<p>COPYRIGHT</p> <p>The copyright of these documents is vested in the County Quantity Surveyor, County Public Works. No part of this document may be reproduced in any form or by any means without their prior permission.</p>	
	Total Carried To Collection	200,000

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	1NO-CENTRAL KITCHEN				
	BILL NO. 1 MAIN KITCHEN BLOCK				
	ELEMENT NO. 1 SUBSTRUCTURES (ALL PROVISIONAL)				
	<i><u>NB:The quantities and nature of work indicated are provisional.The actual work done shall be ascertained, valued and adjustments made accordingly.All excavations are measured net. The rate shall include for any working space that the contractor may deem necessary, and allowance for maintaining and supporting sides of excavations and keeping excavations free from water and mud</u></i>				
A	Clear site of all grass, bushes, shrubs undergrowth, and small trees including grubbing up roots and burn arisings.	412	SM	90	37,080
B	Cut down trees exceeding 600mm and n.e 900mm girth	1	NO	2,300	2,300
C	Ditto exceeding 900mm and n.e 1200mm girth	5	NO	1,950	9,750
	Excavations and Earthworks				
D	Bulk excavation to remove black cotton soil not exceeding 1.50m deep; load and cart away	525	CM	300	157,500
E	Excavate foundation trenches for strip foundation footing not exceeding 1.50m deep starting from stripped level	143	CM	350	50,050
F	Ditto column bases pits ditto	162	CM	350	56,700
G	Extra over all excavations and earthworks for breaking up rock at any point	5	CM	2,200	11,000
H	Allow for keeping excavations free of surface water by pumping or any other approved method.		Item	15,000	15,000
I	Allow for maintaining and upholding sides of excavations clear of all falling materials by plunking and strutting		Item	15,000	15,000
	Total carried to collection				354,380

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Disposal				
A	Return,fill and ram selected soil in the foundation.	39	CM	200	7,800
B	Load and cart away from site surplus excavated material for disposal at County Government designated sites within Kiambu County	584	CM	500	292,000
	Imported filling				
C	300mm thick hardcore bed,hand-packed, watered and compacted in 150mm thick layers.	525	CM	1,500	787,500
	Blinding				
D	50mm thick approved quality murram blinding to surfaces of hardcore to receive damp proof membrane rolled smooth.	341	SM	200	68,200
	Antitermite				
E	Insecticide treatment on blinded surfaces with“Termidor” termicide supplied by insecta Ltd. or other equal and approved at the rate of fipromil (250gm/litre) after dilution with water (1:100) at the rate of 5litres per square metre all in accordance with the manufacturer's written instructions	341	SM	210	71,610
	Damp proof membrane.				
F	Single layer 1000 gauge polythene sheeting with minimum 300mm side and end laps	341	SM	220	75,020
	Concrete work				
	<u>Mass concrete class 15/(20) (1:3:6) in:</u>				
G	50mm thick blinding under strip foundation footing	78	SM	575	44,850
H	Ditto under column bases	36	SM	575	20,700
I	Extra over 150mm thick overlay concrete in raised plinths/ platforms for placing cookers/jikos	50	SM	575	28,750
	Total Carried to Collection				1,396,430

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Vibrated reinforced concrete class 20/(20mm)in:				
A	Strip foundation	20	CM	13,000	260,000
B	Column bases	24	CM	13,000	312,000
C	Substructure columns	3	CM	13,000	39,000
D	Base Beam	10	CM	13,000	130,000
D	150mm thick ground floor slab	341	SM	1,950	664,950
	Reinforcement				
	<i>High tensile Steel reinforcement to BS 4461 including cutting, bending, stirrups and spacer blocks</i>				
E	8mm diameter	71	KG	180	12,780
F	10mm diameter	547	KG	180	98,460
G	12mm diameter	491	KG	180	88,380
H	Fabric mesh reinforcement to B.S. 4483 ref A142 weighing 2.22kg/m ² (measured net-no allowance made for laps)	341	SM	450	153,450
	Sawn formwork to:				
I	Sides of column bases	43	SM	500	21,500
J	Sides of columns	27	SM	500	13,500
K	Sides of strip foundation footing	65	SM	500	32,500
L	Edges of ground floor slabs exceeding 75mm but not exceeding 150mm wide	76	LM	90	6,840
M	Edges of plinths/platforms ditto	28	LM	90	2,520
	Foundation Walling				
	<i>Foundation walling shall be natural stone blocks of uniform cross section sizes while mortar joints shall strictly be 12mm thick. Uneven stone block sizes shall not be acceptable</i>				
	<i>Natural stone walling bedded and jointed in cement/sand (1:4) mortar as described:</i>				
N	200mm thick	420	SM	1,950	819,000
	<i>Three ply hessian based bituminous felt damp proof course bedded on cement/sand (1:4) mortar</i>				
O	200mm wide	140	LM	250	35,000
	Total Carried to Summary				2,689,880

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>QTY</i>	<i>UNIT</i>	RATE	AMOUNT
A	Brought forward from page SUB/17				354,380
B	Brought forward from page SUB/18				1,396,430
C	Brought forward from page SUB/19				2,689,880
					4,440,690

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.2 SUPERSTRUCTURE CONCRETE WORK				
	<i><u>Vibrated reinforced insitu concrete class 20/(20mm) as described in:-</u></i>				
A	Ring beams	20	CM	13,000	260,000
B	Columns	9	CM	13,000	117,000
	Reinforcement <i><u>High tensile Steel reinforcement to BS 4461 including cutting, bending, stirrups and spacer blocks</u></i>				
C	8mm diameter	597	KG	180	107,460
D	12mm diameter	1212	KG	180	218,160
	<i><u>Sawn formwork to:</u></i>				
E	Sides of columns	75	SM	500	37,500
F	Sides and soffites of ring beams	233	SM	500	116,500
TOTAL FOR REINFORCED CONCRETE SUPERSTRUCTURE CARRIED TO G.SUMMARY					856,620

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.3				
	WALLING.				
	EXTERNAL WALLING.				
	<u>Walling shall be in natural stone blocks of uniform cross section sizes while mortar joints shall strictly be 12mm thick, uneven stone block sizes shall not be acceptable</u>				
	<u>Machine cut "Ruiru" natural stone walling bedded, jointed and pointed in cement/sand (1:4) mortar and reinforced with 25mm wide hoop iron in every alternate course; externally</u>				
A	200mm thick	377	SM	1,800	678,600
	<u>Machine cut "Ruiru" natural stone walling bedded, jointed and pointed in cement/sand (1:4) mortar and reinforced with 25mm wide hoop iron in every alternate course; internally</u>				
B	200mm thick	88	SM	1,800	158,400
	<u>Approved precast concrete grille vent block walling in cement/sand (1:4) mortar</u>				
C	200mm thick	6	SM	3,500	21,000
	SUNDRIES				
D	Labour and material for 150mm wide x 230mm (average) high eaves filling to top of 150mm stone wall.	8	SM	1,400	11,200
E	Fair raking cutting to top of 200mm	32	LM	350	11,200
	3-ply bituminous felt damp proof course				
F	150mm wide levelled and bedded in cement and sand (1.3) mortar	67	LM	180	12,060
TOTAL FOR ELEMENT NO.3 WALLING CARRIED TO G.SUMMARY					892,460

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.4				
	ROOFING				
	Framed Structural Steel Works (As Per Structural Engineer's Details)				
	<i>Double-pitch truss:spanning clear 6500mm;height 600mm including hoisting and fixing in position approx.3500mm above existing ground floor including necessary jointing</i>				
A	75 x 50 x 4mm Rectangular Hollow Section (RHS) in trusses	735	KG	250	183,750
B	50 x 50 x 4mm bracings ditto	363	KG	250	90,750
C	114.6 x 50.8 x 2 x 3.85kg/m Z-purlins	436	KG	250	109,000
D	250mm long x 200mm wide x 3mm thick plate bolted to reinforced concrete beams	49	NO	250	12,250
E	12mm diameter x 250mm long H.D bolts including all necessary washers and nuts	196	NO	90	17,734
	<i>Structural timber:sawn cypress:pressure impregnate as described:(Associated with Truss T1)</i>				
E	150 x 50mm Wall plate secured with and including 12mm diameter mild steel anchor bolt 300mm long @900mm centres cast in concrete ring beam.	116	LM	500	58,000
	Roof Covering				
	<i>Gauge 26 pre-painted IT4 profile sheets fixed to purlins with and including weathered rust proof screw bolts 75mm long with plastic cap laid with 150mm side and end laps</i>				
G	Roof covering to pitched roof	426	SM	1,250	532,500
H	Ditto; ridge cap	76	LM	560	42,560
I	Transluscent sheets to approval	12	SM	1,200	14,400
	Wrot cypress treated with approved preservative				
H	200 x 25mm fascia/barge board fixed to ends of rafters (m.s)	174	LM	800	139,200
TOTAL FOR ELEMENT NO.4 Roofing CARRIED TO Collection					1,200,144

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Rainwater Disposal				
	<u>26 Gauge galvanized plain sheet metal bent welded joints with and including steel brackets and hangers in accordance with the detailed drawings.</u>				
A	450mm girth gutter fixed to fascia with and including steel brackets and hangers all in accordance with the detailed drawings	82	LM	1650	135,300
B	Ditto 100 x 100mm down pipes secured to wall and including steel brackets (8NO pipes)	28	LM	2330	65,240
C	Extra over ditto: for swan neck	8	NO	670	5,360
D	Extra over ditto; for shoe	8	NO	650	5,200
E	Extra over ditto for gutter connection to down pipes	8	NO	690	5,520
	Painting and Decoration				
	Knot prime stop and prepare and apply 3 coats gloss oil paint to;				
F	Ditto: 200 - 300mm girth	174	LM	120	20,880
G	Touchup; prime, prepare and apply two undercoats and one finishing coat gloss oil paint on metal work	82	SM	400	32,800
	Total Carried to collection				270,300
	Brought Forward From Page R/23				1,200,144
	Brought Forward From Page R/24				270,300
	TOTAL FOR ELEMENT NO.4 Roofing CARRIED TO SUMMARY				1,875,744

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.5 WINDOWS (As per Architect's Details) <i>Steel casement windows in 3mm thick sections</i> <i>Supply and fix the following purpose made Steel Casement windows in standard Z-Sections complete with lugs, hinges, approved imported brass window stays and handles, with built-in permanent vents at top all primed with red lead oxide after fabrication</i>				
A	1500 x 1500mm high window complete to architects detail; permanent vent	14	NO	20,160	282,240
B	2000 x 750mm high level window ditto	3	NO	15,120	45,360
C	1500 x 750mm high window ditto	3	NO	6,300	18,900
D	Mild steel ventilation louvres complete to architects detail; permanent vent	16	SM	3,500	56,000
	Glazing				
E	5mm thick clear sheet glass glazed with putty to metal in panes exceeding 0.10 but not exceeding 0.50 square metres	39	SM	1,500	58,500
	Burglar proofing				
F	20 x 20mm mild steel bars cut and welded together at 150mm centres both ways as directed including plugging into masonry or/and concrete including the necessary framework all round	39	SM	6,000	234,000
	Prepare and apply three coats gloss paint on:				
F	Metal surface internally	39	SM	400	15,600
G	Metal surface externally.	39	SM	400	15,600
	Cill				
H	300 x 100mm thick insitu fair face finished concrete (1:2:4) weathered and throated window cill bedded on 200mm thick wall in cement/sand (1:3) mortar	36	LM	900	32,400
	Total Carried to Collection				758,600

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Painting <i>Prepare and apply one undercoat and two finishing coats of "Crown" or other equal and approved gloss oil paint on:</i>				
A	Glazed metal surfaces measured overall both sidesGrille	78	Sm	400	31,200
B	Grille metal surfaces	6	Sm	400	2,400
	Carried to Collection				33,600
	Brought forward from page ww/25				758,600
	Brought down from above				33,600
TOTAL FOR ELEMENT NO.5 Windows CARRIED TO SUMMARY					792,200

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO 6: <u>DOORS (As per Architect's Details)</u>				
	<u>Steel casement doors</u> Overall size 45mm thick x 2400 x 2400mm high steel casement door comprising of 50 x 40 x 3mm thick mildsteel RHS frame all round and divided 40 x 40 x 3mm thick mild steel SHS; infilled with 4mm thick mild steel plate to approval; the door to include plugged frame allround, hinges and bolts	1	NO	43,200	43,200
A					
B	Ditto 1500 x 2400mm high ditto	2	NO	27,000	54,000
C	Ditto 1200 x 2100mm high ditto	1	NO	23,625	23,625
D	Ditto 900 x 2400mm high ditto	2	NO	16,200	32,400
	<u>Glazing</u> 5mm thick clear sheet glass fixed with putty to steel door frame in panes exceeding 0.10 but not exceeding 0.50 square metres	1	SM	1,600	1,600
E					
	<u>Prepare and apply one undercoat and one finishing coat gloss oil paint on metal</u>				
F	General surfaces; metal doors; above	14	SM	400	5,600
	FLUSH DOORS 45 x 900 x 2100mm high solidcore flush doors faced both sides with 3mm thick cypress veneered plywood and hardwood lipped all edges	4	NO	8,000	32,000
G					
	<u>Wrot prime grade cypress</u> 100 x50mm frame with four labours	21	LM	500	10,500
H					
I	40 x 20mm Architrave	21	LM	90	1,890
J	20 x 20mm Quadrant	21	LM	90	1,890
	Total carried to collection				206,705

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Supply and fix the following ironmongery with matching screws as per "UNION" catalogue or other equal and approved</u>				
A	100mm pressed steel butt hinges	6	PRS	250	1,500
B	50 - lever mortice lock complete with aluminium leverfurniture	4	NO	2,500	10,000
C	51- lever metal casement door lock	5	NO	3,000	15,000
D	38mm diameter, 59mm deep rubber door stop including 32mm deep iron lug plugged to floor	5	NO	200	1,000
	Painting				
	<u>Prime back of frame before fixing</u>				
E	Surfaces exceeding 200mm but not exceeding 300 mm girth	21	LM	90	1,890
F	Ditto not exceeding 100mm girth	42	LM	90	3,780
	<u>Prepare and apply one undercoat and two finishing coats of "Crown" or other equal and approved gloss oil paint on:</u>				
G	General timber surfaces	16	SM	400	6,400
H	Ditto not exceeding 100mm girth	42	LM	90	3,780
I	Ditto exceeding 100mm but not exceeding 200mm girth	21	LM	90	1,890
	<u>Carried to collection</u>				45,240
	<u>COLLECTION</u>				
	Brought forward from page D/27				206,705
	Brought down from above				45,240
TOTAL FOR ELEMENT NO.6 Doors CARRIED TO SUMMARY					755,835

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>ELEMENT 7 FITTINGS AND FIXTURES JOINERY FITTINGS (ALL PROVISIONAL)</p> <p><i>Supply materials and assemble to completion the following joinery fittings as per the architect's details and specifications</i></p> <p>Low-level kitchen cabinets In - built low-level kitchen cabinet overall size 600 x 700mm high in painted blockboard doors, sides, shelves, divisions, bottom, drawers, 100mm thick natural stone under walls, reinforced concrete tops finished with stainless steel sheet including all necessary ironmongery and mass concrete (1:3) mix plinths</p>				
A		13	LM	16,500	214,500
	<p><u>Shelf racks</u></p> <p>Mild steel shelf racks overall size 4840 x 600 x 2000mm high on steel framework to details</p>				
B		3	NO	176,580	529,740
C	Ditto overall size 3300 x 600 x 2000mm high ditto	3	NO	120,395	361,185
	<p><u>Worktops</u></p> <p>In - built worktops overall size 4840 x 600 x 700mm high comprising of 100mm thick natural stone under walls, reinforced concrete tops finished with 20mm thick granite slab top and fascias; plaster and painted sides of underwalls and soffites of worktop; internally</p>				
D		1	NO	17,800	17,800
	Total Carried to summary				1,123,225

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.8				
	FINISHES				
	Floor Finishes				
	<u>Insitu cement and sand (1:4) screed</u>				
A	20mm thick screed prepared to receive terrazzo floor finish (m/s)	297	SM	450	133,650
	Washed and polished Approved coloured non-slip floor terrazzo				
B	20mm thick	297	SM	2,270	674,190
C	100 x 10mm thick skirting with rounded top ditto	151	LM	450	67,950
D	32 x 3mm thick plastic dividing strips (Provisional)	500	LM	80	40,000
	Wall Finishes				
	<u>Gauged cement, lime and sand(1:2:9) in two coats plaster steel trowelled smooth to finish</u>				
D	12mm thick two coat lime plaster to wall surfaces steel trowelled smooth; internally	312	SM	350	109,200
E	Ditto to sides and soffites of reinforced concrete beams	198	SM	350	69,300
F	10mm thick render prepared to receive ceramic wall tiles internally (m/s)	8	SM	350	2,800
E	12mm thick two coat lime plaster to door reveals (100-200mm)	21	LM	70	1,470
F	Ditto to window jambs	12	LM	70	840
	Prepare and apply 3 coats emulsion paint to:				
G	Plastered surfaces internally	312	SM	400	124,800
H	Ditto to door reveals (100 - 200mm)	21	LM	80	1,680
I	Ditto to window jambs ditto	12	LM	80	960
	Total Carried to Summary				1,226,840

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	15mm thick render to wall/concrete surfaces requiring scaffolding not exceeding 4.50m high; externally <i>Approved ceramic tiles from an approved stockist</i>	237	SM	450	106,650
B	200 x 250 x 6mm thick white glazed ceramic wall tiles fixed with an approved adhesive on prepared render (m/s); internally <i>Prepare and apply one undercoat and two finishing coats of weather resistant exterior paint as "Crown Paints" or other equal and approved on:</i>	8	SM	2,200	17,600
C	Rendered walls and concrete surfaces requiring scaffolding not exceeding 6.00m high; externally CEILING FINISHES	237	SM	550	130,350
L	12mm thick cellotex ceiling boards internally fixed to timber brandering (m/s) at 600mm centres both ways	92	SM	900	82,800
M	Extra over chip board for trap door as before described	1	NO	450	450
N	100 x 25mm Thick wrot softwood moulded cornice Brandering	94	LM	450	42,300
O	50 x 50mm wrot cypress brandering	307	LM	600	184,200
P	Prepare and apply three coats gloss oil paint to surfaces of timber 100- 200mm girth internally.	208	LM	80	16,640
Q	Surfaces of chip board internally External wall finishes	92	SM	400	36,800
C	External Render Cement Sand render as described to external concrete surfaces; beams and / or lintols	198	SM	350	69,300
D	External key recessed to the horizontal and flush to the vertical. Painting and Decoration <i>Prepare and apply three coats of silk vinyl paint to:</i>	146	SM	350	51,100
E	Rendered concrete surfaces externally ; beams and / or lintols	198	SM	400	79,200
Total carried to Summary					817,390

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>QTY</i>	<i>UNIT</i>	<i>RATE</i>	<i>AMOUNT</i>
	Plinth Finishes				
A	15mm thick cement/sand (1:4) screed to plinth	23	SM	350	8,050
B	Prepare and apply three coats black Bituminous paint on rendered plinth	23	SM	400	9,200
	Surfacing				
C	60mm Medium Duty precast interlocking concrete block paving (75N/mm ² minimum crushing strength) on 50mm graded sand bed.	97	SM	1,700	164,900
	Total carried to collection				182,150
	Brought Forward From Page F/30				1,226,840
	Brought Forward From Page F/31				817,390
	Brought Down From above				182,150
TOTAL FOR ELEMENT NO.7 Finishes CARRIED TO SUMMARY					2,226,380

PROPOSED CONSTRUCTION OF CENTRAL KITCHEN FOR SCHOOL
FEEDING PROGRAMME IN IKINU PRIMARY SCHOOL IN GITHUNGURI CONSTITUENCY

KE/33

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMT
	<p>ELEMENT NO 9</p> <p>KITCHEN EQUIPMENTS (ALL PROVISIONAL)</p> <p><i>Supply, install and commission the following energy saving jikos as per the provided details and specifications</i></p> <p>Energy Saving Jikos</p>				
A	600 litre capacity energy saving jikos constructed in stainless steel sheet botton, sides and top; designed to usesawdust briketts as fuel; complete with top cover /lid each, and interconnected hood and chimney pipe	12	NO		
B	Allow a Provisional Sum of Kenya Shillings Four Hundred fifty Thousands (Kshs. 450,000/=) only for a Built -in Weighing Scale		ITEM		450,000
C	Allow a Provisional Sum of Kenya Shillings One Sixty Five Thousands (Kshs. 165,000/=) only for Office Loose Furniture				165,000
D	Allow a Provisional Sum of Kenya Shillings One hundred Thousands (Kshs. 100,000/=) only for a Gas Cylinder Steel Cage				100,000
E	Allow a Provisional Sum of Kenya Shillings Fifty Thousands (Kshs. 50,000/=) only for Timber Sieving Tables				50,000
F	Allow a Provisional Sum of Kenya Shillings Fifty Thousands Kshs. 50,000/=) only for a Trash Can				50,000
G	Allow a Provisional Sum of Kenya Shillings Two Hundred Thousands (Kshs. 200,000/=) only for Timber Pallets				200,000
	Total Carried to summary				1,015,000

<i>ITEM</i>	<i>DESCRIPTION</i>	<i>QTY</i>	<i>UNIT</i>	<i>RATE</i>	<i>AMOUNT</i>
1	ELEMENT 1- Substructure from page sub/20				4,440,690
2	ELEMENT 2- Frames from page FR/21				856,620
3	ELEMENT 3- Walling from page W/22				892,460
4	ELEMENT 4- Roofing from page R/24				1,875,744
5	ELEMENT 5- Windows from page ww/26				792,200
6	ELEMENT 6- Doors from page D/28				755,835
7	ELEMENT 7- Finishes from page f/29				2,226,380
8	ELEMENT 8- Fixtures and Fittings from page f\$f/32				1,123,225
9	ELEMENT 9- KITCHEN EQUIPMENTS KE/33				1,015,000
PROVISIONAL SUMS					
10	Provide a Provisional Sum of Kenya Shillings Five Hundred and Fifty Thousands (Kshs 550,000/=) only for Electrical Installations Power Connection		Item		550,000
11	Provide a Provisional Sum of Kenya Shillings One million (Kshs 1,000,000/=) only for Mechanical Installations (Plumbing, Sanitary Fittings, Internal/External Drainage including Septic Tanks, Soakpits and Manholes)		Item		1,000,000
MAIN KITCHEN BLOCK Total Carried to summary					15,528,154

PROPOSED CONSTRUCTION OF CENTRAL KITCHEN FOR SCHOOL
FEEDING PROGRAMME IN IKINU PRIMARY SCHOOL IN GITHUNGURI CONSTITUENCY

AB/35

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUBSTRUCTURES (ALL PROVISIONAL)				
	<u>Site clearance</u>				
A	Clear site of all encumberances' small bushes etc. and cart away from site	64	SM	90	5,760
	<u>Excavations</u>				
B	Excavate to remove top vegetable soil upto 150mm deep from ground level, and dispose as directed	64	SM	200	12,800
C	Excavate foundation trenches for strip foundation footing not exceeding 1.50m deep starting from strippedlevel	6	CM	300	1,800
D	Ditto column bases pits ditto	6	CM	300	1,800
E	Extra over excavation in excavating in rock ditto	1	CM	2,200	2,200
F	Return fill and ram approved excavated material around foundations	13	CM	200	2,600
G	Allow for keeping the whole excavation free from all water including spring and running water		ITEM	5,000	5,000
H	Allow for plunking and strutting the whole excavation Filling		ITEM	5,000	5,000
I	Approved imported hardcore filling laid and consolidated in layers not exceeding 150mm thick	14	CM	1,500	21,000
J	Labour handpacking hardcore fill to form sinking size 450mm (average) x 350mm deep including blinding	20	LM	300	6,000
K	Single layer 1000 gauge polythene sheeting with minimum 300 mm side and end laps	49	SM	220	10,780
L	Insecticide treatment on blinded surfaces with "Termidor" termicide supplied by insecta Ltd. or other equal and approved at the rate of fipromil (250gm/ litre)after dilution with water (1:100) at the rate of 5litres per square metre all in accordance with the manufacturer's written instructions	49	SM	210	10,290
	Total Carried to summary				85,030

PROPOSED CONSTRUCTION OF CENTRAL KITCHEN FOR SCHOOL
FEEDING PROGRAMME IN IKINU PRIMARY SCHOOL IN GITHUNGURI CONSTITUENCY

AB/36

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
Concrete work					
<i>Mass concrete class 15/(20) (1:3:6) in:</i>					
A	50 mm thick blinding under strip foundation footing	23	SM	575	13,225
B	Ditto under column bases	6	SM	575	3,450
Vibrated reinforced concrete class 20/(20mm) in:-					
C	Strip footing	5	SM	1,950	9,750
D	Column bases	2	CM	13,000	26,000
E	Substructure columns	0.3	CM	13,000	3,900
F	150mm thick ground floor slab	49	SM	1,950	95,550
Reinforcement					
<i>High tensile Steel reinforcement to BS 4461 including cutting, bending, stirrups and spacer blocks</i>					
G	8mm diameter	11	KG	180	1,980
H	10mm diameter	157	KG	180	28,260
I	12mm diameter	81	KG	180	14,580
J	Fabric mesh reinforcement to B.S. 4483 ref A142 weighing 2.22kg/m ² (measured net-no allowance made for laps)	49	SM	450	22,050
Sawn formwork to:					
K	Sides of column bases	7	SM	500	3,500
L	Sides of columns	5	SM	500	2,500
M	Sides of strip foundation footing	16	LM	500	8,000
N	Edges of ground floor slabs exceeding 75mm but not exceeding 150mm wide	29	LM	90	2,610
Total Carried to summary					235,355

PROPOSED CONSTRUCTION OF CENTRAL KITCHEN FOR SCHOOL
FEEDING PROGRAMME IN IKINU PRIMARY SCHOOL IN GITHUNGURI CONSTITUENCY

AB/37

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Foundation walling shall be natural stone blocks of uniform cross section sizes while mortar joints shall strictly be 12mm thick. Uneven stone block sizes shall not be acceptable</u>				
	<u>Natural stone walling bedded and jointed in cement/sand (1:4) mortar as described:</u>				
A	200mm thick	56	SM	1,950	109,200
	<u>Three ply hessian based bituminous felt damp proofcourse bedded on cement/sand (1:4) mortar</u>				
B	200 mm wide	20	LM	250	5,000
	SUPERSTRUCTURE CONCRETE WORK				
	<u>Vibrated reinforced insitu concrete class 20/(20mm) as described in:-</u>				
C	Ring beams	2	CM	13,000	26,000
D	Columns	1	CM	13,000	13,000
	Reinforcement				
	<u>High tensile Steel reinforcement to BS 4461 including cutting, bending, stirrups and spacer blocks</u>				
E	8mm diameter	78	KG	180	14,040
F	12mm diameter	173	KG	180	31,140
	Sawn formwork to:				
G	Sides of columns	11	SM	500	5,500
H	Sides and soffites of ring beams	31	SM	500	15,500
	Total carried to collection				219,380

PROPOSED CONSTRUCTION OF CENTRAL KITCHEN FOR SCHOOL
FEEDING PROGRAMME IN IKINU PRIMARY SCHOOL IN GITHUNGURI CONSTITUENCY

AB/38

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>Walling shall be in natural stone blocks of uniform cross section sizes while mortar joints shall strictly be 12mm thick, uneven stone block sizes shall not be acceptable</u></p> <p><u>Machine cut "Ruiru" natural stone walling bedded, jointed and pointed in cement/sand (1:4) mortar and reinforced with 25mm wide hoop iron in every alternate course; externally</u></p>				
A	200mm thick	54	SM	1,950	105,300
	<p><u>Machine cut "Ruiru" natural stone walling bedded, jointed and pointed in cement/sand (1:4) mortar and reinforced with 25mm wide hoop iron in every alternate course; internally</u></p>				
B	150mm thick	12	SM	1,700	20,400
C	100mm thick	12	SM	1,650	19,800
	ROOFING				
	<u>Double- pitch roof trusses</u>				
	<u>The following in roof trusses in sawn celcured second grade cypress including hoisting to about 3000mm high above ground level</u>				
D	100 x 50mm rafters	67	LM	300	20,100
E	100 x 50mm tie beam/ceiling joist	63	LM	300	18,900
F	100 x 50mm kingpost	12	LM	300	3,600
G	100 x 50mm ridge board	90	LM	300	27,000
H	100 x 50mm struts or ties	90	LM	300	27,000
I	100 x 50mm Wall plate	29	LM	300	8,700
J	50 x 50mm purlins	102	LM	145	14,790
	Total Carried to Collection				265,590

PROPOSED CONSTRUCTION OF CENTRAL KITCHEN FOR SCHOOL
FEEDING PROGRAMME IN IKINU PRIMARY SCHOOL IN GITHUNGURI CONSTITUENCY

AB/39

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Roof covering <i>Gauge 28 pre-painted IT4 profile sheets fixed to purlins (m/s) with and including weathered rust proof screw bolts 75mm long with plastic cap laid with 150mm side and end laps as supplied by "Mabati Rolling Mills" or other equal and approved and fixing to timber purlins</i>				
A	Roof covering to pitched roof	56	SM	1,200	67,200
B	Ridge cap to match	19	LM	450	8,550
	Rain water goods				
C	110 x 100mm Upvc gutter fixed to fascia board with and including approved brackets	34	LM	500	17,000
D	Extra over ditto for 100mm diameter down pipe outlet UPVC Pipes	11	LM	650	7,150
E	100mm diameter down pipe fixed to wall with and including approved holder bats	8	LM	630	5,040
F	Extra over ditto for swan neck	4	NO	450	1,800
G	Ditto horse shoe	4	NO	450	1,800
	Painting				
H	Prime back of timber before fixing not exceeding 100mm girth <i>Prepare and apply one undercoat and two finishing coats as "Crown" or other equal and approved gloss oil paint on:</i>	87	LM	40	3,480
I	Surfaces of wood exceeding 200mm but not exceeding 300mm girth externally <i>Knot, prime, stop and apply three coats of "Ronseal" clear Wood Vanish as "Crown" or other equal and approved on:</i>	19	LM	90	1,710
J	General surfaces of wood	19	SM	500	9,500
K	Ditto not exceeding 100mm girth externally	38	LM	90	3,420
	Total Carried to Summary				126,650

PROPOSED CONSTRUCTION OF CENTRAL KITCHEN FOR SCHOOL
FEEDING PROGRAMME IN IKINU PRIMARY SCHOOL IN GITHUNGURI CONSTITUENCY

AB/40

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	DOORS (As per Architect's Details)				
	<i>Wrot prime grade cypress in door frames and finishings</i>				
A	15mm quadrant beading with one labour	47	LM	70	3,290
B	38 x 15mm architrave with two labour	47	LM	70	3,290
C	100 x 50mm frame with four labours plugged	47	LM	800	37,600
D	Ditto transome	2	LM	800	1,600
	Flush doors				
E	45 x 900 x 2100mm high semi-solid core flush doors faced both sides with 3mm thick cypress veneered plywood and hardwood lipped all edges	9	LM	10,000	90,000
	Glazing				
G	5mm thick clear sheet glass fixed with timber beading to timber door frame in panes exceeding 0.10 but not exceeding 0.50 square metres	1	SM	1,500	1,500
	Ironmongery				
	<i>Supply and fix the following ironmongery with matching screws as per "UNION" catalogue or other equal and approved</i>				
H	100mm pressed steel butt hinges	14	PRS	250	3,500
I	2 - lever mortice lock complete with aluminium lever furniture	2	NO	3,000	6,000
J	38mm diameter, 59mm deep rubber door stop including 32mm deep iron lug plugged to floor	9	NO	250	2,250
	Painting				
	<i>Prime back of frame before fixing</i>				
K	Timber surfaces not exceeding 100mm girth	141	LM	40	5,640
Total Carried to Collection					154,670

PROPOSED CONSTRUCTION OF CENTRAL KITCHEN FOR SCHOOL
FEEDING PROGRAMME IN IKINU PRIMARY SCHOOL IN GITHUNGURI CONSTITUENCY

AB/41

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Prepare and apply one undercoat and two finishing coats of "Crown" or other equal and approved gloss oil paint on:</u>				
A	General timber surfaces	36	SM	400	14,400
B	Ditto not exceeding 100mm girth	104	LM	80	8,320
C	Ditto exceeding 100mm but not exceeding 200mm girth	49	LM	80	3,920
	WINDOWS (As per Architect's Details)				
	<u>Steel casement windows in 3mm thick sections</u>				
	<u>Supply and fix the following purpose made Steel Casement windows in standard Z-Sections complete with lugs, hinges, approved imported brass window stays and handles, with built-in permanent vents at top all primed with red lead oxide after fabrication</u>				
D	1500 x 600mm high window complete to architects detail; permanent vent	10	NO	5,400	54,000
	Glazing				
E	5mm thick clear sheet glass glazed with putty to metal in panes exceeding 0.10 but not exceeding 0.50 square metres	9	SM	1,500	13,500
	Burglar proofing				
F	20 x 20mm mild steel bars cut and welded together at 150 mm centres both ways as directed including plugging into masonry or/ and concrete including the necessary framework all round	9	SM	6,000	54,000
	Cill				
G	300 x 100mm thick insitu fair face finished concrete (1:2:4) weathered and throated window cill bedded on 200mm thick wall in cement/sand (1:3) mortar	17	LM	900	15,300
	Total Carried to Collection				163,440

PROPOSED CONSTRUCTION OF CENTRAL KITCHEN FOR SCHOOL
FEEDING PROGRAMME IN IKINU PRIMARY SCHOOL IN GITHUNGURI CONSTITUENCY

AB/42

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Painting <u>Prepare and apply one undercoat and two finishing coats of "Crown" or other equal and approved gloss oil paint on:</u>				
A	Glazed metal surfaces measured overall both sides	18	SM	400	7,200
B	Grilled metal surfaces	18	SM	400	7,200
	JOINERY FITTINGS <u>Supply materials and assemble to completion the following joinery fittings as per the architect's details and specifications</u>				
	Lockers				
C	Locker overall size 1800 x 600 x 2000mm high in mild steel to details	6	NO	20,000	120,000
	Vanity tops				
D	In - built vanity tops overall size 1500 x 600 x 700mm high comprising of 100mm thick natural stone under walls, reinforced concrete tops finished with 10mm thick ceramic wall tiles top and fascias; plastered and painted sides of underwalls and soffites of worktop; internally	3	NO	20,000	60,000
	FINISHES				
	FLOOR FINISHES				
	<u>Cement/Sand (1:3) in:</u>				
A	30mm thick screed prepared to receive ceramic floor tiles(m/s)	49	SM	450	22,050
	<u>Approved non slip colour glazed ceramic floor tiles from an approved stockist</u>				
B	330 x 330 x 10mm thick floor tiles fixed with an approved adhesive on prepared screed (m/s)	49	SM	1,500	73,500
C	100 x 10mm thick skirting with rounded top ditto	74	LM	450	33,300
	WALL FINISHES				
	<u>Cement and Sand (1:3) in:</u>				
D	12mm thick two coat lime plaster to wall surfaces steel trowelled smooth; internally	164	SM	350	57,400
E	Ditto to sides and soffites of reinforced concrete beams ditto	26	SM	350	9,100
	Total Carried to Collection				389,750

PROPOSED CONSTRUCTION OF CENTRAL KITCHEN FOR SCHOOL
FEEDING PROGRAMME IN IKINU PRIMARY SCHOOL IN GITHUNGURI CONSTITUENCY

AB/43

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<i>Wall finishes Cont'd</i>				
A	15mm thick render to wall/concrete surfaces requiring scaffolding not exceeding 3.00m high; externally	54	SM	350	18,900
	<i>Approved ceramic tiles from an approved stockist</i>				
B	200 x 250 x 6mm thick white glazed ceramic wall tiles fixed with an approved adhesive on prepared render (m/s); internally	49	SM	1,500	73,500
	Painting				
	<i>Prepare and apply one undercoat and two finishing coats of "Crown" or other equal and approved gloss oil paint on:</i>				
C	Plastered wall surfaces; internally	164	SM	400	65,600
D	Ditto to sides and soffites of reinforced concrete beams	26	SM	400	10,400
	<i>Prepare and apply one undercoat and two finishing coats of weather resistant exterior paint as "Crown Paints" or other equal and approved on:</i>				
E	Rendered walls and concrete surfaces requiring scaffolding not exceeding 3.00m high; externally	54	SM	400	21,600
	CEILING FINISHES				
	<i>Ceiling boards</i>				
F	12mm thick cellotex ceiling boards internally fixed to timber branderling (m/s) at 600mm centres both ways	49	SM	900	44,100
G	100 x 25mm moulded cornice with six labours	39	SM	250	9,750
	<i>Sawn celcured cypress in:</i>				
H	50 x 50mm branderling	163	LM	179	29,177
I	50 x 100mm plugged ditto	39	LM	350	13,650
	Painting				
J	Prime back of frame before fixing not exceeding 100mm girth	78	LM	90	7,020
	Total Carried to Collection				293,697

PROPOSED CONSTRUCTION OF CENTRAL KITCHEN FOR SCHOOL
FEEDING PROGRAMME IN IKINU PRIMARY SCHOOL IN GITHUNGURI CONSTITUENCY

AB/44

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Prepare and apply one undercoat and two finishing coats of "Crown" or other equal and approved emulsion paint on:</u>				
A	General cellotex board ceiling surfaces	49	SM	400	19,600
B	Ditto surfaces 100 - 200mm girth	39	LM	80	3,120
	Plinth Finishes				
C	15mm thick cement/sand (1:4) screed to plinth	9	SM	350	3,150
D	Prepare and apply three coats black Bituminous paint on rendered plinth	9	SM	400	3,600
	Surfacing				
E	60mm Medium Duty precast interlocking concrete block paving (75N/mm ² minimum crushing strength) on 50mm graded sand bed.	40	SM	1,500	60,000
Total Carried to Summary					89,470
COLLECTION					
1	Brought forward from page AB/35				85,030
2	Brought forward from page AB/36				235,355
3	Brought forward from page AB/37				219,380
4	Brought forward from page AB/38				265,590
5	Brought forward from page AB/39				126,650
6	Brought forward from page AB/40				154,670
7	Brought forward from page AB/41				163,440
8	Brought forward from page AB/42				389,750
9	Brought forward from page AB/43				293,697
10	Brought down from above				89,470
	PROVISIONAL SUMS				
11	Provide a Provisional Sum of Kenya Shillings One Hundred Thousands (Kshs 100,000/=) only for Electrical Installations		Sum		100,000
12	Provide Provisional Sum of Kenya Shillings Two Hundred and Fifty Five Thousands (Kshs 255,000/=) only for Mechanical Installations (Plumbing, Sanitary Fittings, Internal/External Drainage including Manholes)		Sum		255,000
Total Carried to Collection					2,378,032

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUBSTRUCTURES (ALL PROVISIONAL)				
	<u>Site clearance</u>				
A	Clear site of all encumberances' small bushes etc. and cart away from site	34	SM	90	3,060
	<u>Excavations</u>				
B	Excavate to remove top vegetable soil upto 150mm deep from ground level, and dispose as directed	34	SM	200	6,800
C	Excavate foundation trenches for strip foundation footing not exceeding 1.50m deep starting from strippedlevel	3	CM	300	900
D	Extra over excavation in excavating in rock ditto	1	CM	2,200	2,200
E	Return fill and ram approved excavated material around foundations	4	CM	200	800
F	Allow for keeping the whole excavation free from all water including spring and running water		ITEM	10,000	10,000
G	Allow for plunking and strutting the whole excavation Filling		ITEM	10,000	10,000
H	Approved imported hardcore filling laid and consolidated in layers not exceeding 150mm thick	7	CM	1,500	10,500
I	Blind surfaces of hardcore with 50mm thick well wateredfine murrum or crushed stone	23	SM	200	4,600
J	Single layer 1000 gauge polythene sheeting with minimum 300 mm side and end laps	23	SM	220	5,060
K	Insecticide treatment on blinded surfaces with "Termidor" termicide supplied by insecta Ltd. or other equal and approved at the rate of fipromil (250gm/ litre)after dilution with water (1:100) at the rate of 5litres per square metre all in accordance with the manufacturer's written instructions	23	SM	210	4,830
	Total Carried to summary				58,750

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Concrete work				
	<u>Mass concrete class 15/(20) (1:3:6) in:</u>				
A	50 mm thick blinding under strip foundation footing <u>Vibrated reinforced concrete class 20/(20mm) in:-</u>	14	SM	575	8,050
B	Strip Footing	3	CM	13,000	39,000
C	150mm thick ground floor slab	23	SM	1,950	44,850
	Reinforcement				
	<u>High tensile Steel reinforcement to BS 4461 including cutting, bending, stirrups and spacer blocks</u>				
D	8mm diameter	43	KG	180	7,740
E	10mm diameter	43	KG	180	7,740
F	Fabric mesh reinforcement to B.S. 4483 ref A142 weighing 2.22kg/m ² (measured net-no allowance made for laps)	23	SM	450	10,350
	Sawn formwork to:				
G	Sides of strip foundation footing	9	SM	500	4,500
H	Edges of ground floor slabs exceeding 75mm but not exceeding 150mm wide	20	LM	90	1,800
I	Sides and edges of steps ditto	2	LM	90	180
	<u>Foundation walling shall be natural stone blocks of uniform cross section sizes while mortar joints shall strictly be 12mm thick. Uneven stone block sizes shall not be acceptable</u>				
	<u>Natural stone walling bedded and jointed in cement/sand (1:4) mortar as described:</u>				
J	200mm thick	33	SM	1,950	64,350
	<u>Three ply hessian based bituminous felt damp proofcourse bedded on cement/sand (1:4) mortar</u>				
K	200 mm wide	18	LM	250	4,500
	Total Carried to summary				193,060

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<i>SUPERSTRUCTURE WALLING</i> <i>Walling shall be in natural stone blocks of uniform cross section sizes while mortar joints shall strictly be 12mm thick, uneven stone block sizes shall not be acceptable</i> <i>Machine cut "Ruiru" natural stone walling bedded, jointed and pointed in cement/sand (1:4) mortar and reinforced with 25mm wide hoop iron in every alternate course; externally</i>				
A	200mm thick	21	SM	1,900	39,900
	<i>Machine cut "Ruiru" natural stone walling bedded, jointed and pointed in cement/sand (1:4) mortar and reinforced with 25mm wide hoop iron in every alternate course; internally</i>				
B	150 mm thick	5	SM	1,600	8,000
	<i>Fair face finished concrete class 20/(20mm aggregate) as described in:-</i>				
C	50mm thick x 300mm wide coping twice splayed, weathered and throated ditto	18	LM	900	16,200
	ROOFING (ALL PROVISIONAL) <i>Mild steel sections cut as required and bolted/fillet welded together and primed with red lead oxide primer after fabrication</i>				
D	100mm dia. x 3mm C.H.S one end plugged to masonry wall	72	KG	250	18,000
E	25 x 25 x 3mm rafters and purlins	468	KG	250	117,000
	Roof covering <i>Gauge 28 pre-painted IT4 profile sheets fixed to purlins (m/s) with and including weathered rust proof screw bolts 75mm long with plastic cap laid with 150mm side and end laps as supplied by "Mabati Rolling Mills" or other equal and approved and fixing to timber purlins</i>				
F	Roof covering to pitched roof	44	SM	1,000	44,000
G	200mm wide fascia sheet	8	LM	800	6,400
	Total Carried to summary				249,500

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Roof Cont'd				
	<u>Prepare and apply one undercoat and two finishing coats as "Crown" or other equal and approved gloss oil painton:</u>				
A	Steel surfaces exceeding 200mm but not exceeding 300mm	12	LM	90	1,080
B	Ditto not exceeding 100mm girth	156	LM	90	14,040
	Work tops				
	In - built varnity tops overall size 1800 x 900 x 700mm high comprising of 100mm thick natural stone under walls, reinforced concrete tops finished with 10mm thick ceramic wall tiles top and fascias; plastery and painted sides of underwalls and soffites of worktop; internally				
C		2	NO	20,000	40,000
	FINISHES				
	<u>FLOOR FINISHES</u>				
	<u>Cement/Sand (1:3) in:</u>				
D	30mm thick screed prepared to receive ceramic floor tiles(m/s)	23	SM	450	10,350
	<u>Approved non slip colour glazed ceramic floor tiles from an approved stockist</u>				
E	330 x 330 x 10mm thick floor tiles fixed with an approved adhesive on prepared screed (m/s)	23	SM	1,500	34,500
F	100 x 10mm thick skirting with rounded top ditto	19	LM	450	8,550
	WALL FINISHES				
	<u>Cement and Sand (1:3) in:</u>				
G	12mm thick two coat lime plaster to wall surfaces steel trowelled smooth; internally	15	SM	350	5,250
H	10mm thick render prepared to receive ceramic wall tiles internally (m/s)	9	SM	350	3,150
I	15mm thick render to wall/concrete surfaces requiring scaffolding not exceeding 1.50m high; externally	21	SM	450	9,450
	<u>Approved ceramic tiles from an approved stockist</u>				
J	200 x 250 x 6mm thick white glazed ceramic wall tiles fixed with an approved adhesive on prepared render(m/s); internally	9	SM	1,800	16,200
	Total Carried to summary				142,570

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Painting				
	<i>Prepare and apply one undercoat and two finishing coats of "Crown" or other equal and approved gloss oil paint on:</i>				
A	Plastered wall surfaces; internally	15	SM	400	6,000
	<i>Prepare and apply one undercoat and two finishing coats of weather resistant exterior paint as "Crown Paints" or other equal and approved on:</i>				
B	Rendered walls and concrete surfaces requiring scaffolding not exceeding 3.00m high; externally	21	SM	400	8,400
	Plinth Finishes				
C	15mm thick cement/sand (1:4) screed to plinth	6	SM	350	2,100
D	Prepare and apply three coats black Bituminous paint on rendered plinth	6	SM	400	2,400
	Surfacing				
E	60mm Medium Duty precast interlocking concrete block paving (75N/mm ² minimum crushing strength) on 50mm graded sand bed.	30	SM	1,500	45,000
	Total Carried Down				63,900
	COLLECTION				
F	Brought forward from page S/pw/45				58,750
	Brought forward from page S/pw/46				193,060
	Brought forward from page S/pw/47				249,500
	Brought forward from page S/pw/48				142,570
	Brought down from above				63,900
	Total Carried to summary				707,780

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p>PROVISIONAL SUMS</p> <p><i>The following provisional sums are to be measured on completion and priced in accordance with the rates contained in these bills of quantities or prorata thereto or deducted in whole if not required</i></p>				
A	Provide a Provisional Sum of Kenya Shillings Nine Hundred Thousands (Kshs 900,000/=) only for Driveway and Parking light Paving				900,000
B	Provide a Provisional Sum of Kenya Shillings six Hundred Thousands (Kshs 600,000/=) only for Contingencies				600,000
C	Provide a Provisional Sum of Kenya Shillings Nine hundred thousand (900,000) ksh only for external works				900,000
	<p>P.C SUM</p>				
B	Allow a provisional sum of Kenya Shillings Four Hundred Fifty Thousand (Kshs.450,000 /)=only for Project Management and Documentation.				450,000
C	Allow a provisional sum of Kenya Shillings One Hundred Thousand (Kshs.200,000 /)=only for PMC committee Allowances				200,000
TOTAL FOR P.C. & PROVISIONAL SUMS CARRIED TO GRAND SUMMARY					3,050,000

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	WATER TANKS AND TOWER				
	SUBSTRUCTURES (ALL PROVISIONAL)				
	<u>Site clearance</u>				
A	Clear site of all encumbrances' small bushes etc. and cartaway from site	18	SM	90	1,620
	Excavations				
B	Excavate for column bases pits not exceeding 1.50m deep starting from existing ground level	3	CM	300	900
C	Extra over excavation in excavating in rock ditto	1	CM	2,250	2,250
D	Load and cart away surplus excavated material				
E	Return fill and ram approved excavated material around foundations	4	CM	200	800
F	Allow for keeping the whole excavation free from allwater including spring and running water		ITEM	10,000	10,000
G	Allow for plunking and strutting the whole excavation		ITEM	10,000	10,000
	Concrete work				
	<u>Mass concrete class 15/(20) (1:3:6) in:</u>				
H	50mm thick blinding under column bases	9	SM	575	5,175
	<u>Vibrated reinforced concrete class 20/(20mm) in:-</u>				
I	Column bases	5	CM	13,000	65,000
J	Substructure columns	1	CM	13,000	13,000
K	200mm thick ground bed	10	SM	1,950	19,500
	Reinforcement				
	<u>High tensile Steel reinforcement to BS 4461 including cutting, bending, stirrups and spacer blocks</u>				
L	Assorted bars(D10, D8)	208	KG	180	37,440
M	Fabric mesh reinforcement to B.S. 4483 ref A142 weighing 2.22kg/m ² (measured net-no allowance made for laps)	10	SM	480	4,800
	Total carried to summary				170,485

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Sawn formwork to:</u>				
A	Sides of column bases	12	SM	500	6,000
B	Sides of columns	7	SM	500	3,500
C	Edges of ground floor slabs exceeding 75mm but not exceeding 150mm wide	13	LM	90	1,170
	SUPERSTRUCTURE CONCRETE WORK				
	<u>Vibrated reinforced insitu concrete class 20/(20mm) as described in:-</u>				
D	Beams	2	CM	13,000	26,000
E	Columns	3	CM	13,000	39,000
F	200mm thick suspended slabs	21	SM	1,950	40,950
	Reinforcement				
	<u>High tensile Steel reinforcement to BS 4461 including cutting, bending, stirrups and spacer blocks</u>				
G	8mm diameter	115	KG	180	20,700
H	12mm diameter	462	KG	180	83,160
I	16mm diameter	157	KG	180	28,260
	Sawn formwork to:				
J	Sides of columns	31	SM	500	15,500
K	Sides and soffites of ring beams	19	SM	500	9,500
L	Soffittes of suspended slabs	20	SM	500	10,000
M	Edges of suspended slabs not exceeding 200mm girth	26	LM	90	2,340
	FINISHES				
	<u>Cement/Sand (1:4) in:</u>				
N	50mm thick on slabs	30	SM	650	19,500
	Total To Summary				305,580

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<i>Tank finishes cont'd</i> <i>Cement and Sand (1:4) in:</i>				
A	15mm thick render to wall/concrete surfaces requiring scaffolding not exceeding 7.50m high; externally	75	SM	350	26,250
	Surfacing				
B	60mm Medium Duty precast interlocking concrete block paving (75N/mm ² minimum crushing strength) on 50mm graded sand bed.	21	SM	1,700	35,700
	Cold Water Storage Tanks				
C	Supply and install 5000 litre capacity plastic water tanks as ROTO moulders; including all necessary intake and outake pipework works and othe accessories	3	NO	87,675	263,025
TOTAL CARRIED TO SUMMARY					324,975
COLLECTION					
Brought forward from page WT/51					170,485
Brought forward from page WT/52					305,580
Brought forward from page WT/53					324,975
Total Carried to Grand Summary					801,040

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
100 PERSONS SEPTIC TANK					
Excavations					
A	Excavate pit for septic tank starting from ground level not exceeding 1.5m deep backfill around the septic tank after construction and dispose surplus material as directed by the Project manager.	49	CM	450	22,050
B	Excavate pit for septic tank starting from excavated level exceeding 1.5m and not exceeding 3.0m deep.	49	CM	450	22,050
C	Allow for plunking and strutting to uphold sides of excavation		ITEM	10,000	10,000
D	Allow for keeping all excavations free from all water including spring and running water		ITEM	10,000	10,000
E	Cutting the sloping bed surface to required falls	35	SM	250	8,750
FILLING					
F	Return fill and ram selected excavated materials around foundations	36	CM	200	7,200
G	Load and cart away surplus excavated materials from site	115	CM	500	57,500
CONCRETE WORKS					
<u>Mass concrete (1:4:8) in :</u>					
H	50 mm thick blinding under concrete bed	35	SM	575	20,125
<u>Vibrated reinforced concrete(1:2:4) in</u>					
I	Provide place and vibrate 200mm thick reinforced concrete class 20(20)1:2:4 in concrete bed	35	SM	1,950	68,250
J	Provide place and vibrate 150mm thick reinforced concrete class 20(20)(1:2:4) in suspended slab	35	SM	1,950	68,250
K	Provide place and vibrate 200mm thick reinforced concrete class 20(20)(1:2:4) in scum baffle wall	8	CM	13,000	104,000
L	Provide place and vibrate 200mm thick reinforced concrete class 20(20)(1:2:4) in Beams	1	CM	13,000	13,000
Total Carried To Summary					411,175

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
B	225mm thick natural stone walling bedded and jointed in 1:3 cement and sand mortar	51	SM	1,950	99,450
	REINFORCEMENT				
	<i>Bars high yield steel; cold worked B.S 4461 including bends, hooks, tying wire distance blocks and spacers</i>				
C	8mm diameter	66	KG	180	11,880
D	Ditto 10mm ditto	129	KG	180	23,220
E	Ditto 12mm ditto	395	KG	180	71,100
F	Provide and place in concrete BRC mesh A142 reinforcement or equivalent, including all necessary tying wire, spacer blocks, laps and all necessary accessories. No allowance will be made for laps.	35	SM	550	19,250
	Formwork				
G	Provide and fix sawn timber formwork to edges of bed between 150 and 225mm high	26	LM	90	2,340
H	Ditto to soffit of suspended slab	35	SM	500	17,500
I	Provide and fix sawn timber formwork to sides and soffits of beams.	7	SM	500	3,500
J	Provide and fix sawn timber formwork to edges of slab between 75 and 150mm high	26	LM	90	2,340
K	Sides and soffits of scum baffle	15	SM	500	7,500
L	Boxing Formwork to form opening size 600 x 450 in 150mm thick slab for manhole cover and frame (m.s) including planting fillet to form rebate.	2	NO	180	360
M	Ditto opening size 450x450mm	2	NO	180	360
TOTAL CARRIED TO SUMMARY					258,800

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	FINISHES <u>15mm thick sulphate resisting water proof cement and sand 1:4 plaster trowelled smooth to:</u>				
A	Walls internally	78	SM	1,500	117,000
B	Ditto Externally	78	SM	1,500	117,000
C	Horrorizontal and vertical sides of scum baffle walls and beams	22	SM	1,500	33,000
D	Provide and apply 25mm thick screed (1:3) to slab (top & bottom)	70	SM	1,500	105,000
	Metal Works : <u>Cast iron manhole cover and frame to B.S. manufacture by East Africa Foundary Works or other equal and approved</u>				
E	600mm x450mm medium duty grade B rectangular manhole cover and frame including bedding frame in cement mortar and setting cover in grease and coating all surfaces with bituminous paint.	5	NO	4,000	20,000
F	Ditto size 450 x 450mm a.b.d	2	NO	4,000	8,000
	HOLES				
F	Cut or leave hole through 225mm stone walling for large pipe and make good	4	NO	120	480
					400,480
	SUMMARY FOR SEPTIC				
	Total brought forward from page SEP/54				411,175
	Total brought forward from page SEP/55				258,800
	Total brought forward from page SEP/56				400,480
	TOTAL CARRIED TO GRAND SUMMARY				1,070,455

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.9 SOAKPIT <u>The following in NO.1 Soak pit size 3000mm diameter and 10,000mm deep.</u>				
A	Excavate not exceeding 1.5m from ground level.	13	CM	300	3,900
B	Ditto 1.50-3.0m deep.	13	CM	450	5,850
C	Ditto 3.0- 4.50m deep.	13	CM	450	5,850
D	Ditto 4.50 -6.00m deep.	13	CM	450	5,850
E	Ditto 6.00-7.50m deep.	13	CM	450	5,850
F	Ditto 7.50-9.00m deep.	13	CM	450	5,850
G	Extra over ditto for excavating in soft material.	8	CM	1,600	12,800
H	Ditto hard rock.	9	CM	2,450	22,050
I	Return fill and ram selected excavated materials.	17	CM	200	3,400
J	Remove surplus excavated materials from site.	48	CM	500	24,000
K	Plain concrete 1:3:6 in wall foundation.	7	SM	450	3,150
L	150mm thick suspended cover slab of concrete 1:2:4	7	SM	1,875	13,125
M	10mm high yied reinforcement.	700	KG	180	126,000
N	Sawn formwork to soffits of suspended cover slab	7	SM	540	3,780
O	Ditto to edge of slab 75- 150mm high.	4	LM	80	320
P	Extra over ditto form boxing in form work 600 x 450mm rebated opening through 150mm slab.	1	NO	250	250
Q	150mm quarry stone walling in cement, sand 1:3 mortar circular on plan to radius of 677mm.	7	SM	1,650	11,550
R	Medium duty cast iron double seal manhole cover and frame size 600 x 450mm to B.S 497 including bedding frame in cement mortar, all surfaces with bituminous paint.	1	NO	4,500	4,500
S	Quarry porous stone hardcore filling.	63	CM	1,500	94,500
	Total For SOAK PIT to Grand Summary				352,575

ITEM	ELEMENT TITLE	PAGE NO	AMOUNT
1	PARTICULAR PRELIMINARIES	PP/4	130,000
2	GENERAL PRELIMINARIES	GP/19	700,000
3	BUILDERS WORK	BWS/34	15,528,154
4	ABLUTION BLOCK	AB/44	2,378,032
5	SORTING AND POT WASHING SHED	S/PW/49	707,780
6	Water Tank	wt/53	801,040
7	SEPTIC TANK	SEP/56	1,070,455
8	SOAKPIT	SEP/57	352,575
SUBTOTAL 1			21,668,036
7	PC SUM	PR\$PC/1	3,050,000
TOTAL CARRIED TO FORM OF TENDER			24,718,036

Amount in words: TENTY FOUR MILLION, SEVEN HUNDRED EIGHTEEN THOUSAND , THIRTY SIX SHILLINGS ONLY.

Tenderers signature and stamp.....

Address.....

Date.....

Witness Name

Address.....

Signature.....

Date.....