

SECTION VI -**SPECIFICATIONS****PREAMBLES AND PRICING NOTES****PREAMBLES**

The specifications to be used for these works are the Standard Specifications for Building and Civil Works in Kenya published by the Ministry of Roads and Public Works 1976 Edition. The works shall be carried out in accordance with these General Specifications except as supplemented hereinafter or in the Bills of Quantities.

The following apply to all sections hereafter.

GENERAL**A. ALTERATIONS, ADDITIONS AND EXTENSIONS**

In alterations or extensions to existing buildings and/or external works, new work is to match up in all respects to the existing work unless otherwise specified, shown on the Drawings or approved before-hand by the Architect.

QUALITY, SAMPLES. TESTING AND APPROVAL**B. MATERIALS**

Materials, commodities, components and equipment are to be new and unused unless otherwise specified. Handle, store, fix and protect all commodities with care to ensure that they are in perfect condition when incorporated into the work and handed over on completion.

C. MANUFACTURER'S RECOMMENDATIONS

Handle, store and fix every commodity strictly in accordance with the printed or written recommendations of the manufacturer and/or supplier. Supply the Architect with copies of manufacturers' recommendations. Inform the Architect if the manufacturers' recommendations conflict with any other specified requirements, and obtain his instructions before proceeding.

D. STANDARDS

Where commodities or workmanship are specified by reference to British Standards (B.S.) or Codes of Practice (C.P.) or International (I.S.O.) or other Standards, such standards are deemed to be the latest published at the time of tendering. The Contractor will be deemed to have read and understood the standards specified, and no claim for want of knowledge will be allowed. The substitution of commodities or standards of workmanship complying with other standards may be allowed at the discretion of the Architect, but application for permission for such substitution must be made in writing in sufficient time to allow adequate investigation. Obtain Certificates of Compliance with standards and supply to the Architect on request.

E. LOCAL CONDITIONS

All materials, commodities, components and equipment must be suitable for use in tropical climates.

F. SAMPLES

Where samples of commodities or specimens of finished work are specified, submit samples or specimens to the Architect and obtain his approval before confirming orders or carrying out the work. Retain approved samples and specimens on Site for comparison with the finished work. Finished work must conform in all respects with the samples or specimens approved. Remove samples and specimens when no longer required. The cost of supplying samples and specimens must be borne by the Contractor, but specimens may form part of the finished work where approved by the Architect.

The following apply to all sections hereinafter

DEMOLITIONS AND ALTERATIONS

A. GENERALLY

The Contractor is required to visit the existing buildings and ascertain for himself the nature of the Works and no claim arising from lack of knowledge in this respect will be entertained. The dimensions and quantities given in this section are approximate and the Contractor is referred to the Site to ascertain the exact nature and extent of the Works.

The items of pulling down and alterations are to include for both labour and materials and for any shoring, needling and strutting and temporary works in connection therewith. The Contractor must allow in his pricing for making good all works disturbed in all trades and for carting away all rubbish.

The Contractor must give all the necessary notices and must exercise due care in the demolitions. He must not collapse large sections of walls, floors, etc., and must provide all necessary shoring and supports during the demolitions.

During demolition works the Contractor shall keep the debris constantly watered to minimize the dust arising and this shall be included in his prices.

All materials arising from the demolitions, unless specifically stated otherwise, are to become the property of the Contractor and any credit allowed for the value of such materials shall be shown in the space provided.

All materials, including rubbish, shall be removed from the Site as soon as possible.

The Contractor is to erect dust-proof screens to the approval of the Architect where deemed necessary and to remove them on completion of the work, all to the Architect's satisfaction.

B. INTERPRETATION OF TERMS

"Demolish" shall be deemed to mean cutting away, breaking up, demolishing, pulling down, taking down, removing, etc., as the context requires and shall include in all cases temporarily strutting and supporting and making good remaining work as necessary, and clearing away and removing from Site all debris, etc.

"Remove" shall mean taking down, hacking up, breaking down, removing etc., and clearing away from Site and all other expenses thereby entailed.

"Make good" shall be deemed to mean all making good, fitting, facing up, plastering, paving, repairing and painting to match and jointing to remaining existing work.

To "match" shall mean to be equal to relevant existing work in design, workmanship and all other respects.

"Re-fix" shall apply to existing materials arising from the Works and shall mean take from store and fix in new position, including making good, repairing and adjusting as necessary.

PROPOSED CONVERSION OF APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 1 - PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	KSHS
A	<p><u>NOTES ON PRICING OF ITEMS OF PRELIMINARIES</u></p> <p>Items described in this section cover the minimum requirements and conditions necessary for the full and proper execution of the contract. The tenderer is required to read and fully understand his obligations under each item and thus assess his costs for complying with the same for the duration of the contract. Should no price be inserted against any item, it shall be assumed that the tenderer has covered any costs associated with that item elsewhere in the Bills of quantities and shall nevertheless be required to comply with such and all items of preliminaries.</p>	
B	<p>DEFINITION OF TERMS</p> <p>(i) Employer: The term 'Employer' wherever used hereinafter and in all Contract Documents shall mean Commissioner General, Kenya Revenue Authority P.O Box 48240 - 00100. Nairobi</p> <p>(ii) Project Managers: The term 'Project Manager' wherever used hereinafter and in all contract documents shall mean Kenya Revenue Authority P.O Box 48240 - 00100. Nairobi</p> <p>(iii) Architect: The term 'Architect' whenever used hereinafter and in all contract documents shall mean Kenya Revenue Authority and its Agents P.O Box 48240 - 00100. Nairobi</p> <p>(iv) Quantity Surveyor: The term 'Quantity Surveyor' wherever used hereinafter and in all contract documents shall mean Kenya Revenue Authority and its Agents P.O Box 48240 - 00100. Nairobi</p> <p>(v) Engineer (Structural): The term 'Engineer (Structural)' wherever used hereinafter and in all contract documents shall mean Kenya Revenue Authority and its Agents P.O Box 48240 - 00100. Nairobi</p> <p>(vi) Electrical Engineer -The term 'Electrical Engineer' wherever used hereinafter and in all contract documents shall mean Kenya Revenue Authority and its Agents P.O Box 48240 - 00100. Nairobi</p> <p>(vii) Mechanical Engineer: The term 'Mechanical Engineer' wherever used hereinafter and in all contract documents shall mean Kenya Revenue Authority and its Agents P.O Box 48240 - 00100. Nairobi</p> <p>(viii) Contractor - Means the person or firm named in the articles of agreement with whom the Employer has entered into contract and includes the legal successors in title and permitted assigns</p>	
	Total carried forward to collection	

PROPOSED CONVERSION OF APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

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BILL NO. 1 - PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	KSHS
	<p>Definition of terms (ctd)</p> <p>(ix) Works - Means the permanent works designed for the Employer by the Architect or other agents for execution by the Contractor and as described in the contract documents. It shall include work of all sub-contractors and suppliers as well as materials and goods supplied for incorporation in the Works.</p> <p>(x) Contract. The term "Contract" wherever used hereinafter and in all contract documents shall mean the letter of award of Contract, Agreement and Conditions of Contract for Building Works, Drawings, priced and signed Bills of Quantities, the schedules and other documents forming part of the contract.</p> <p>(xi) Contract Drawing. The term "Contract Drawings" wherever used hereinafter and in all contract documents shall be deemed to imply the drawing referred to in these Bills of Quantities.</p> <p>(xii) Site Means the place or places where the permanent Works are to be carried out and to which materials and goods are to be delivered and includes workshops or other places where materials, goods or work are being prepared for incorporation in the Works either by the Contractor, sub-contractors or by others.</p> <p>(xiii) Approved, Directed and Selected. The terms "Approved", "Directed" and "Selected" wherever used hereinafter and in all contract documents shall mean the approval, direction and selection of or by the Architect.</p> <p>(xiv) Singular and Plural. Words importing the singular only wherever used hereinafter and in all contract documents shall also include the plural and vice versa where the context requires. Persons shall include bodies corporate.</p>	
	Total carried forward to collection	

PROPOSED CONVERSION OF APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 1 - PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	KSHS
A	<p>FIRM PRICE CONTRACT</p> <p>Unless otherwise specifically stated, this is a firm 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 contract</p>	
B	<p>SCOPE OF CONTRACT</p> <p>The Work to be carried out under this contract comprise construction and completion of the proposed conversion of existing apartments into hotel rooms at Kesra School Mombasa complete with associated external works and Services Installations. All as per drawings, technical specifications and bills of quantities.</p> <p>The proposed works are located at Kesra School Mombasa.</p>	
C	<p>FLOOR AREA</p> <p>Total construction floor area is 1248 square metres and this is given for guidance only and without any warranty.</p>	
D	<p>BID SECURITY</p> <p>The bid security shall be (Kshs /=) from a reputable financial institution approved by the Central Bank of Kenya (CBK) or from an insurance Company approved by Insurance Regulatory Authority (IRA)</p>	
E	<p>VALUE ADDED TAX (VAT)</p> <p>All rates quoted shall be deemed to be inclusive of 16% VAT.</p>	
F	<p>CONTINGENCY SUM</p> <p>The miscellaneous items will be expensed by the Employer upon proof that their cost has been fully executed.</p>	
<p>Total carried forward to collection</p>		

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BILL NO. 1 - PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	KSHS
A	<p>A LOCATION OF SITE</p> <p>The site for the proposed Works is at Kesra School, Mombasa.</p> <p>The contractor MUST visit the site and acquaint himself with the conditions and if unable to do so apply to the Project Manager for directions to enable him to do so.</p> <p>The Contractor is recommended to visit the site and he shall be deemed to have acquainted himself therewith as to its nature and position means of access, etc, and no claim in this connection will be allowed. No claim will be allowed for travelling or other expenses which may be incurred by the contractor in visiting the site preparing for the tender for the works.</p>	
B	<p>MEASUREMENTS</p> <p>In the event of any discrepancies 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>	
C	<p>CLAIMS</p> <p>It shall be a condition of this Contract that upon it becoming reasonably apparent by 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 claim or intent notice to the PROJECT MANAGER within the Contract Period. No claims shall be entertained upon the expiry of the said contract period</p>	
D	<p>MATERIALS FROM DEMOLITION</p> <p>All materials arising from demolition shall NOT be re-used except with express approval of the Project Manager. Materials arising out of Demolitions shall remain the property of the Employer.</p>	
E	<p>CONTRACT COMPLETION PERIOD</p> <p>The contract completion period in accordance with condition 31 of the the conditions of contract must be strictly adhered to. The "PROJECT MANAGER" shall strictly monitor the Contractor's 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.</p> <p>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>	
	<p>Total carried forward to collection</p>	

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BILL NO. 1 - PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	KSHS
A	<p>PARTICULAR INSERTIONS TO BE MADE IN THE APPENDIX TO CONTRACT AGREEMENT</p> <p>The following are insertions to be made in the appendix to the Contract Agreement</p> <p>i) Period of Final Measurement Condition 32 12 Months from practical completion date</p> <p>ii) Defects Liability Period Condition 20 12 Months from practical completion date</p> <p>iii) Date for possession of site Condition 14 To be agreed with the Project Manager</p> <p>iv) Date for Completion Condition 31</p> <p>v) Liquidated & Ascertained damages Condition 27 At the rate of Kshs 50,000.00 per calendar week or part thereof</p> <p>vi) Period of Interim Certificates Condition 23 Monthly</p> <p>vii) Period of honoring certificates Condition 23 Thirty (30) days</p> <p>viii) Percentage of certified value retained Condition 26 10%</p> <p>ix) Limit of retention fund Condition 26 5%</p> <p>x) Performance Bond Condition 28 The bond shall be from a Central Bank of Kenya approved Bank</p>	
B	<p>LABOUR CAMPS</p> <p>The Contractor may erect camps on site. He shall apply to the Project Manager to be shown the most appropriate location of such labour camps.</p>	
C	<p>TELEPHONE</p> <p>The Contractor shall arrange for, provide and maintain a telephone on site from the date of commencement to the date of completion of the contract and shall pay charges in connection therewith.</p>	
D	<p>OFFICE FOR THE "PROJECT MANAGER"</p> <p>The site office mentioned in item 'B' page 15 of the general preliminaries shall be type B as shown on the Directorate of Public Works standard details. The same shall be erected and maintained for the duration of the contract.</p>	
	<p>Total carried forward to collection</p>	

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BILL NO. 1 - PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	KSHS
A	A TENDER DOCUMENTS Tender documents are as listed in Clause 2.3 of the Instruction to Tenderer's.	
B	SIGNBOARD Provide and erect where directed and maintain during the whole period of building operations and remove at completion an approved temporary 1 No. signboards at site to the Architect's standard design and giving the title of the Works and showing the names of the Employer, Architect, Quantity Surveyor, Engineers and the Contractor with sufficient space to add the names of the Nominated Sub-Contractors and suppliers. The lettering concerning the Architect, Quantity Surveyor and the Engineer is not to be more than 50 mm high.	
C	HOARDING The contractor shall be required to erect and maintain hoarding around the site for the duration of the contract. Thereafter he shall be required to demolish and clear away arisings and make good any disturbances.	
D	PROGRAMME PROGRESS CHARTS The Contractor shall upon possession of the site and in agreement with the "PROJECT MANAGER" prepare a progress chart for the whole of the works. One copy shall be forwarded to the "PROJECT MANAGER" and another copy shall be retained on site on which progress shall be recorded by the Contractor. Should any circumstance arise affecting the programme or progress, the chart shall be modified as necessary in consultation with the "PROJECT MANAGER".	
E	PERFORMANCE SECURITY (BOND) The Contractor should note that the Performance Security to be provided must be in form of a bank guarantee in the amount of 10% of the Contract Sum.	
F	APPENDICES The Appendices to the Bills of Quantities shall be regarded for contract purposes as part of the Bill and shall be read and construed with the appropriate sections of the Bills if contained therein.	
Total carried forward to collection		

PROPOSED CONVERSION OF APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 1 - PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	KSHS
A	SUFFICIENCY OF TENDER The main Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices stated in the Bills of Quantities which rates and prices shall cover all his obligations under the contract and all matters and things necessary for the proper completion of the works.	
B	GENERAL SPECIFICATIONS For the full description of materials, workmanship and method of execution of the works, the Contractor is referred to the Ministry of Works General specifications for building works dated 1976 or any subsequent revision thereof which is issued as a separate document and which shall be followed in all respects unless it conflicts with the General and Particular Preliminaries, Trade Preambles or other items in these Bills of Quantities. In the event of such conflict, then the provisions of the General and Particular Preliminaries, Trade Preambles and these Bills of Quantities take precedence.	
C	TRAINING LEVY 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.	
D	ADVANCE PAYMENT Pursuant to the relevant clause of the Conditions of Contract, the tenderer will NOT be granted ADVANCE PAYMENT (See Appendix to Conditions of Contract)	
E	NUISANCE The Contractor shall not directly or indirectly or otherwise by himself or through his agents cause nuisance to the activities taking place inside. Should he do so he shall be directly responsible for such acts.	
F	MOBILIZATION FEE The Contractor shall allow in his Tender a sum of Kenya Shillings Seven Hundred and Fifty Thousand Only (Kshs 750,000.00) as allowance for the Employer's Agents to cater for transport, reimbursable expenses and the clerk of works fee.	750,000.00
Total carried forward to collection		

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BILL NO. 1 - PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	KSHS
	COLLECTION PAGE	
	From Page	
1	Total From Page 3	
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4	Total From Page 6	
5	Total From Page 7	
6	Total From Page 8	
7	Total From Page 9	-
Bill No. 1 - Particular Preliminaries		Carried Forward To Grand Summary
		-

PROPOSED CONVERSION OF APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 2 - GENERAL REQUIREMENTS

ITEM	DESCRIPTION	KSHS
A	<p>PRICING ITEMS OF PRELIMINARIES AND PREAMBLES</p> <p>Prices will be inserted against items of Preliminaries in the Contractor's priced Bills of Quantities and Specification.</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>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>	
C	<p>TRANSPORT</p> <p>Allow for transport of workmen, 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 forward to collection		

PROPOSED CONVERSION OF APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

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BILL NO. 2 - GENERAL REQUIREMENTS

ITEM	DESCRIPTION	KSHS
A	<p>STORAGE FOR MATERIALS SUPPLIED</p> <p>The Contractor shall provide space for storage of materials and security for the materials meant for the Works .</p>	
B	<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 ARCHITECT, 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 Directorate of 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.</p>	
C	<p>GOVERNMENT ACTS REGARDING WORK PEOPLE, ET.0</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. 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 information regarding all such regulations and/or restrictions which may affect the organization of the works, supply and control of labour, etc., and allow accordingly in his tender.</p> <p>No claim in respect of want of knowledge in this connection will be entertained.</p>	
Total carried forward to collection		

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BILL NO. 2 - GENERAL REQUIREMENTS

ITEM	DESCRIPTION	KSHS
A	SECURITY OF WORKS, E.T.C 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.	
B	PUBLIC AND PRIVATE ROADS 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	
C	EXISTING PROPERTY 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	
D	VISIT TO SITE AND EXAMINE DRAWINGS 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.	
E	ACCESS TO SITE AND TEMPORARY ROADS 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 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.	
	Total carried forward to collection	

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BILL NO. 2 - GENERAL REQUIREMENTS

ITEM	DESCRIPTION	KSHS
A	AREAS TO BE OCCUPIED BY CONTRACTOR 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.	
B	OFFICE, E.T.C. FOR THE PROJECT MANAGER The Contractor shall construct a temporary site office of type described and to the satisfaction of the Project Manager. He shall also provide a strong metal trunk complete with strong hasp and staple fastening and two 'keys'. He shall maintain a lock-up type water or bucket closet for the sole use of the PROJECT MANAGER 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 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.	
C	WATER AND ELECTRICITY SUPPLY FOR THE WORKS The Contractor shall make arrangements to provide all necessary water, electric light and power required for use in the works. 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.	
D	SANITATION OF WORKS The Contractor will provide toilet facilities for use of the Contractor and his agents.	
E	SUPERVISION AND WORKING HOURS 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.	
Total carried forward to collection		

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BILL NO. 2 - GENERAL REQUIREMENTS

ITEM	DESCRIPTION	KSHS
A	PROGRESS CHART The Contractor shall provide within one week 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.	
B	DIRECT CONTRACTS Notwithstanding the foregoing conditions, the Employer reserves the right to place a "Direct Contract" for any goods or services required in the works.	
C	ATTENDANCE UPON OTHER TRADESMEN, E.T.C. 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.	
Total carried forward to collection		

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BILL NO. 2 - GENERAL REQUIREMENTS

ITEM	DESCRIPTION	KSHS
A	<p>INSURANCE</p> <p>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 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>	
B	<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 left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the PROJECT MANAGER. 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>	
C	<p>ALTERATION OF BILLS OF QUANTITIES, PRICING, E.T.C.</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. 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. All items of measured work shall be priced in detail and the Tenders containing Lump Sums to cover trades or groups of work must be broken down to show the price of each item before they will be accepted.</p>	
Total carried forward to collection		

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BILL NO. 2 - GENERAL REQUIREMENTS

ITEM	DESCRIPTION	KSHS
A	MATERIALS ARISING FROM EXCAVATION Materials of any kind obtained from the excavations shall be the property of the Employer . Unless the PROJECT MANAGER directs otherwise such materials shall be dealt with as provided in the Contract.	
B	PROTECTION OF THE WORKS Provide protection of the whole of the works contained in the Bills of Quantities, including easing, 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.	
C	REMOVAL OF RUBBISH, E.T.C. 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.	
D	WORKS TO BE DELIVERED UP CLEAN 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.	
	Total carried forward to collection	

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BILL NO. 2 - GENERAL REQUIREMENTS

ITEM	DESCRIPTION	KSHS
A	GENERAL SPECIFICATIONS For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to 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.	
B	MATERIALS ON SITE All materials for incorporation in the works will be stored in the space provided by the Employer within the building on site before payment is effected unless specifically exempted by the PROJECT MANAGER. The Main Contractor shall make arrangements with the Employer to secure the place for the safety of the Materials. This includes the materials of the Main Contractor and his domestic Sub-Contractors & Suppliers.	
C	CONTRACTORS SUPERINTENDENCE/SITE AGENT 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.	
Total carried forward to collection		

PROPOSED CONVERSION OF APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 2 - GENERAL REQUIREMENTS

ITEM	DESCRIPTION	KSHS
	COLLECTION PAGE	From Page
1	Total From Page	11
2	Total From Page	12
3	Total From Page	13
4	Total From Page	14
5	Total From Page	15
6	Total From Page	16
7	Total From Page	17
8	Total From Page	18
Bill No. 2 - General Preliminaries		Carried Forward To Grand Summary

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 3 - BLOCK A [12 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>NOTES</u>					
A	The contractor is to allow for all temporary protection required during the works, including ordinary and special dust screens, hoarding, barriers, warning signs etc as directed by the Lead Consultant and as necessary for the protection of the existing structure. All such devices shall be removed on completion of the works and any necessary making good consequent upon this is to be done to the satisfaction of the Lead Consultant.	Item			
B	All useable materials arising from the demolitions shall remain the property of the Employer but the Contractor may take away any materials not so required by the Employer and shall allow a credit for the same in the credit column indicating value for all such materials that are reusable. All debris arising there from shall be carried away from site.	Item			
C	The works shall be executed in such order and sequence as the Project Manager may direct and as little disruption and inconvenience as possible shall be caused to the tenants, if any, staff and other users of existing and adjoining facilities.	Item			
D	The Contractor shall visit the site to acquaint themselves with its nature and position, the nature of the existing facilities, position of power and water supplies, access roads or any other limitations, and no claims for extras will be considered on account of lack of knowledge in this respect.	Item			
<u>SECTION NO. 1 - DEMOLITION AND ALTERATIONS</u>					
<u>[Modification of Rooms] - ALL PROVISIONAL</u>					
E	Carefully remove existing doors or window complete with frame and ironmongery and set aside for re-use or client's storage	Nr			Rate Only
F	Carefully demolish existing 200/150/100mm thick internal walling as directed on site to allow for new walls or openings and make good disturbed surfaces to receive new finishes	SM	48.00		-
G	Hack off existing floor finish, make good surfaces to receive new floor finish	SM	156.00		-
H	Hack off existing wall tiles, make good disturbed surfaces to receive new wall finishes	SM			Rate Only
I	Allow for demolitions of existing joinery fixtures & fittings (wardrobes & kitchen units)	Item			
J	Hack off existing wall plaster as directed on site to receive new paint - general repairs only	SM	16.00		
K	Allow for demolitions of existing services installations as directed on site	Item			
L	Allow a provisional sum for additional demolitions internally as directed on site	Item			

Carried to Collection

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PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 3 - BLOCK A [12 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 2 - NEW INTERNAL PARTITION WALLS</u>					
<u>Concrete Lintols to high wall</u>					
<u>Precast concrete units: class 20/12 mm: vibrated: reinforced: complete with formwork</u>					
A	150 x 200mm Lintol	LM	18.00		-
<u>Concrete blockwork</u>					
<u>Solid concrete blocks (7N/mm²) walling: in cement and sand (1:4) mortar: 20 gauge x 25mm wide hoop iron in every alternate course: including building on heights exceeding 3.0m high from floor level where shown: with 20 Gauge hoop iron wall ties 450mm long x 25mm wide with one end cast into concrete and other end built into walling in alternate courses: to</u>					
B	200mm thick walling	SM	40.20		-
C	150mm thick walling	SM	11.40		-
D	100mm thick walling	SM	21.00		-
<u>Balustrading and Railings</u>					
E	Provide a sum for rehabilitation of existing Balustrading & Railings as directed by the Project Architect	LM	16.00		-
<u>Shower Screens</u>					
F	10mm thick toughened frameless glass shower screens cut to fit in washrooms and complete with side or sliding doors to detail and all necessary accessories	SM	17.01		-

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 3 - BLOCK A [12 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 3 - OPENINGS</u>					
<u>Notes:</u> i) Door and Window Ironmongery to be approved prior to procurement ii) Door and Window samples to be as per the approved samples					
<u>TIMBER DOORS</u>					
<u>Timber grounds: (Provisional)</u>					
<u>Wrot soft wood timber: pelltated and screwed: on existing blockwork or concrete work</u>					
A	40 x 20mm Timber grounds	LM	145.20		-
<u>Wrot Mahogany</u>					
B	200 x 50mm frame, with two labours, plugged	LM	118.80		-
C	150 x 50mm frame, with two labours, plugged	LM	26.40		-
D	100 x 50mm frame, with two labours, plugged	LM			Rate Only
E	45 x 25mm architrave, with two labours, plugged	LM	228.00		-
F	25mm quadrant beading	LM	96.00		-
G	15 x 15mm glazing beading	LM			Rate Only
<u>Solid Timber Doors</u>					
H	38mm thick solid mahogany timber door overall size 900x2400mm high in 1 number side hung panel to Architect's details	Nr	2.00		-
<u>45mm thick solid core flush doors to BS 459: part 2, faced both sides with hardwood veneer and lipped on all edges in hardwood, including all planted mouldings, if any.</u>					
I	Door overall size 900 x 2400mm high	No	18.00		-
<u>45mm thick semi solid core flush doors to BS 459: part 2, faced both sides with hardwood veneer and lipped on all edges in hardwood, including all planted mouldings, if any.</u>					
J	Door overall size 800 x 2050mm high	No			Rate Only

Carried to Collection
3:3

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PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 3 - BLOCK A [12 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
	<u>Door Ironmongery</u>				
	<u>Supply and fix the following Ironmongery complete with matching screws; all ironmongery to be approved by the Architect prior to procurement</u>				
A	150mm butt hinges	Prs.	30.00		-
B	Approved 3 - lever mortice lock complete with lever furniture & door handle	Nr	2.00		-
C	Approved 2 - lever mortice lock complete with lever furniture & door handle	Nr	18.00		-
D	Rubber door stop rawl bolted to concrete floor	Nr	20.00		-
	<u>Glazing to timber doors</u>				
E	4 mm Ordinary clear sheet glass and glazing to timber panes over 0.1 but not exceeding 0.50 metres square	sm	7.20		-
	<u>Painting and decorating - Prepare and apply three coat clear varnish internally on:-</u>				
F	General surfaces	SM	86.40		-
G	Ditto but exceeding 100 to 200mm girth	LM	324.00		-
H	Ditto 200 to 300mm girth	LM	145.20		-
	<u>ALUMINIUM WINDOWS</u>				
	<u>Precast concrete class 20 fair faced all exposed surfaces bedded and jointed cement and sand (1:3) mortar</u>				
I	275 x 50mm thick window cill once rebated and throated laid and jointed in cement and sand 1:3 mortar	LM	23.00		-
	<u>In wrot cypress</u>				
J	100x25mm window board, plugged screwed and pelleted	Lm	23.00		-
	<u>Galvanized steel curtain rods</u>				
K	Supply and fix approved curtain rods complete with brackets and other accessories	LM	18.00		-

Carried to Collection
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PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 3 - BLOCK A [12 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
	<u>Aluminium Windows</u>				
	<u>Supply, assemble and fix the following purposed-made powder coated aluminium framed windows infilled with 6mm thick clear sheet glass obtained from an approved manufacturer, complete with hinges, handles, catches and fixing frames to window openings. All windows to comprise 25mm high permanent vents to approval, machined hinges and fixing brackets for catches and stays. Window ironmongery to be heavy duty by an approved manufacturer. Window frame thickness and size to be approved by the Architect prior to fabrication. The space between window frames and concrete or masonry surfaces to receive weather proof seals such as silicon or any other equal and approved sealant material.</u>				
A	Supply & Fixing of Aluminium windows	SM	30.00		-
B	Extra over Aluminium windows for fixing of mosquito screens complete with sub-frames, hinges and closing and opening accessories	SM	30.00		-
	<u>Finishing to reveals</u>				
	<u>15 mm cement and sand (1:3) render, finished with woodfloat to:-</u>				
C	Concrete or masonry surfaces	SM	6.00		-
	<u>12mm (minimum) two coat lime plaster as described to</u>				
D	Concrete or masonry surfaces internally	SM	6.00		-
	<u>Prepare and apply three coats first quality silk vinyl emulsion paint on:-</u>				
E	Plastered walls internally	SM	6.00		-
	<u>Prepare and apply three coats first quality sadolin or other equal and approved weatherguard emulsive paints on:-</u>				
F	Rendered surfaces externally	SM	6.00		-

Carried to Collection
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PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 3 - BLOCK A [12 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 4 - WALL FINISHES</u>					
<u>Plasterworks</u>					
<u>12mm Thick cement and sand (1:4) plaster: 3mm lime plaster steel trowelled finish: on concrete or blockwork: to</u>					
A	Walls	SM	145.20		-
<u>Compound waterproofing</u>					
<u>Sika Compound waterproofing additive mixed with screed strictly in accordance with manufacturer's printed instructions : to provide 10 year guarantee.</u>					
B	Wall: Washrooms	SM	151.00		-
<u>Granito or Ceramic wall tile finish</u>					
<u>Prepare surfaces: supply and fix ceramic or granito or other stone tile wall finish: pattern to approval: fixed with approved quality proprietary adhesive in accordance with manufacturer's printed instructions: on cement and sand (1:4) mortar beds: allow for stainless steel corner strips or other equal and approved: jointed, pointed and grouted in matching proprietary colour grout : all to approval and to match sample approved by the Architect</u>					
C	Ceramic wall tiles: Matt finish [Kitchenettes]	SM	5.00		-
D	Ceramic wall tiles: Matt finish [Washrooms]	SM	146.00		-
E	Granito wall tiles: Matt finish [Washrooms & Kitchenettes]	SM			-
<u>Paintwork</u>					
F	Rub down existing wall surfaces and clean to receive new coat of paint	SM	489.80		-
<u>Skim all wall surfaces. prepare and roller apply two coats of first quality emulsion paint and two finishing coats of first quality of silk vinyl or equal and approved paint: on</u>					
G	side of plastered surfaces	SM	145.20		-
H	side of existing wall surfaces internally	SM	257.80		-
<u>Prepare and apply 3 coats Crown Permacote or Equal and approved Exterior Emulsion 1 eflon paint with first coat thinned up to 15% with clean water or other equal and approved exterior paint to concrete or masonry surfaces externally</u>					
I	To existing rendered concrete and masonry surfaces externally	SM	232.00		-
					Rate Only

Carried to Collection
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PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 3 - BLOCK A [12 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 5 - CEILING FINISHES</u>					
<u>Plaster</u>					
<u>Hack and prepare existing concrete surfaces to receive new plaster: 12 (average) mm cement, lime plaster and sand mix (1:1:4) : plaster as specified: steel trowelled finish : on concrete : to</u>					
A	Horizontal soffits of suspended slabs - general repairs only	SM	16.00		-
<u>Gypsum board ceiling</u>					
<u>Suspended gypsum plasterboard ceiling comprising of 1 no. layer x 9mm thick gypsum board fixed to soffits of slabs with and including proprietary C60 series light steel framework suspension system: taped and filled joints: allow for all cutting and trimming to light fittings</u>					
B	Gypsum board flat (horizontal) ceiling at a height not exceeding 2750mm above floor: dropped 100/200/300mm below slab level complete with steel channel branding and all fixing accessories and tapering to detail	SM	12.00		-
C	100mm grith moulded gypsum cornice to sides of ceiling	LM	25.67		-
D	Allow for cutting ceiling to receive Lights & AC Units: various sizes	Nr	6.00		-
<u>Paintwork</u>					
<u>Skim all ceiling surfaces, prepare and roller apply three coats of emulsion paint to approval: on suspended gypsum board ceiling.</u>					
E	Water-proof paint finish to gypsum board ceilings: color to approval	SM	14.57		-
F	Soffit of suspended concrete slab	SM	159.00		-

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 3 - BLOCK A [12 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 6 - FLOOR FINISHES</u>					
<u>Screed beds</u>					
<u>Hack existing concrete surfaces and prepare to receive new screed beds: Supply and fix cement and sand (1:4) screed beds: trowelled to approval</u>					
A	40mm (average) Thick screed beds: finished to receive ceramic tile finish	SM	12.00		-
B	40mm (average) Thick screed beds: finished to receive 10mm thick granito tile finish	SM	144.00		-
C	100mm (average) Thick mortar plinths: to cabinets	SM	4.00		-
<u>Compound waterproofing</u>					
<u>Sika Compound waterproofing additive mixed with screed strictly in accordance with manufacturer's printed instructions : to provide 10 year guarantee</u>					
D	To receive Granito or Ceramic tile floor finish	SM	12.00		-
<u>Supply and fix Ceramic floor tiles: fixed with approved quality proprietary adhesive in accordance with manufacturer's printed instructions: on cement and sand mortar (1:4) screed beds (m.s): jointed, pointed and grouted in matching proprietary colour grout: allow for supply and fixing of all spacers and expansion joints as necessary : all as per the sample provided and approved by the Employer</u>					
E	Ceramic floor tiles of approved sizes [Washrooms]	SM	12.00		0
<u>Granito tile floor finish</u>					
<u>10mm Thick Granito tile floor finish: fixed with approved quality proprietary adhesive in accordance with manufacturer's printed instructions: on cement and sand mortar (1:4) screed beds (m.s): jointed, pointed and grouted in matching proprietary colour grout : allow for supply and fixing of all spacers and expansion joints as necessary : all as per the sample provided by Contractor and approved by the Architect</u>					
F	Granito floor tiles: matt finish: approved color [Rooms + Corridors + Kitchen]	SM	144.00		-
G	100mm high tile skirting	LM	134.00		-

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 3 - BLOCK A [12 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
	<u>Timber skirting</u>				
A	100x20mm Wrot mahogany timber skirting	LM			Rate Only
	<u>Paintworks</u>				
	<u>Prepare and apply three coats first quality 2 pack polyurethane polish any other varnish as directed by the Architect on:-</u>				
B	General surfaces of timber skirting internally	LM			Rate Only

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 3 - BLOCK A [12 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 7 - FITTINGS, FIXTURES & OTHER WORKS.</u>					
<u>The following in custom made Joinery: allow for contractor's designed bolted, screwed or nailed connections: Refer to Architect's details</u>					
A	600mm wide work top made out of 150mm thick fabric mesh reinforced concrete complete with formwork to soffit and edges fixed on top 150mm thick upstand walls (m.s); counter top and fascia to be clad with 20mm thick granite; allow for grinding edges of granite smooth and finishing to approval.	LM	6.30		-
B	20mm thick granite top fixed to concrete worktop (m.s) overall size 600mm wide and cut to receive kitchen sink (m.s), with rounded edges.	SM	3.78		-
C	Ditto but 100mm high granite fascia or backsplash fixed to concrete worktop (m.s)	LM	15.00		-
D	Low level kitchen cupboard in MDF construction below the concrete worktop complete with internal shelves, divisions and openable doors fixed with malpa hinges to approval	LM	6.30		-
E	High level kitchen shelving in MDF construction complete with internal shelves, divisions and openable doors fixed with malpa hinges to approval	LM	6.30		-
F	Custom made wardrobe overall size 1150x2400mm high complete with internal divisions, hanging rails, doors and opening and closing accessories	Nr	6.00		-
G	Custom made reading table or luggage top in Mdf carcassing and Mahogany finished mdf tops overall size 1000x900mm high to Architect's details	Nr	2.00		-
H	Ditto overall size 1450x900mm high to Architect's details	Nr	4.00		-
<u>Mirrors to BS 952, as described</u>					
<u>Supply and fix 6mm thick mirror with bevelled edged fixing to smooth rendered walls with brass dome head screws, polished and including 6mm thick waterproof plywood.</u>					
I	size 1000 x 900mm	Nr	6.00		-
<u>Work incidental to air conditioning, ventilation, plumbing, drainage, fire fighting, electrical, music, TV, PABX, data and telephone installations, concealed fixings</u>					
J	Co-ordination with other engineering installations and marking and setting out the positions of all work	Item			Rate Only
K	Cutting or forming all holes, mortices, chases, building in or cutting and pinning brackets or the like including all associated builder's work and making good finishings	Item			
C	Building in or cutting and pinning brackets or the like and making good finishings	Item			
D	Protective and decorative painting	Item			

Carried to Collection
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PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 3 - BLOCK A [12 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
	<u>Collection</u>		<u>Page</u>		
	From Page		3:1		-
	From Page		3:2		-
	From Page		3:3		-
	From Page		3:4		-
	From Page		3:5		-
	From Page		3:6		-
	From Page		3:7		-
	From Page		3:8		-
	From Page		3:9		-
	From Page		3:10		-
	TOTAL FOR TYPICAL FLOOR [6 HOTEL ROOMS]				-
	NO. OFF FLOORS				2.00
Bill No. 3 - Total for Block A [12 Hotel Rooms]					Carried Forward To Grand Summary
					-

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 4 - BLOCK B [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>NOTES</u>					
A	The contractor is to allow for all temporary protection required during the works, including ordinary and special dust screens, hoarding, barriers, warning signs etc as directed by the Lead Consultant and as necessary for the protection of the existing structure. All such devices shall be removed on completion of the works and any necessary making good consequent upon this is to be done to the satisfaction of the Lead Consultant.	Item			
B	All useable materials arising from the demolitions shall remain the property of the Employer but the Contractor may take away any materials not so required by the Employer and shall allow a credit for the same in the credit column indicating value for all such materials that are reusable. All debris arising there from shall be carried away from site.	Item			
C	The works shall be executed in such order and sequence as the Project Manager may direct and as little disruption and inconvenience as possible shall be caused to the tenants, if any, staff and other users of existing and adjoining facilities.	Item			
D	The Contractor shall visit the site to acquaint themselves with its nature and position, the nature of the existing facilities, position of power and water supplies, access roads or any other limitations, and no claims for extras will be considered on account of lack of knowledge in this respect.	Item			
<u>SECTION NO. 1 - DEMOLITION AND ALTERATIONS</u>					
<u>[Modification of Rooms] - ALL PROVISIONAL</u>					
E	Carefully remove existing doors or window complete with frame and ironmongery and set aside for re-use or client's storage	Nr			Rate Only
F	Carefully demolish existing 200/150/100mm thick internal walling as directed on site to allow for new walls or openings and make good disturbed surfaces to receive new finishes	SM	48.00		-
G	Hack off existing floor finish, make good surfaces to receive new floor finish	SM	156.00		-
H	Hack off existing wall tiles, make good disturbed surfaces to receive new wall finishes	SM			Rate Only
I	Allow for demolitions of existing joinery fixtures & fittings (wardrobes & kitchen units)	Item			
J	Hack off existing wall plaster as directed on site to receive new paint - general repairs only	SM	16.00		
K	Allow for demolitions of existing services installations as directed on site	Item			
L	Allow a provisional sum for additional demolitions internally as directed on site	Item			

Carried to Collection
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PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 4 - BLOCK B [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 2 - NEW INTERNAL PARTITION WALLS</u>					
<u>Concrete Lintols to high wall</u>					
<u>Precast concrete units: class 20/12 mm: vibrated: reinforced: complete with formwork</u>					
A	150 x 200mm Lintol	LM	18.00		-
<u>Concrete blockwork</u>					
<u>Solid concrete blocks (7N/mm²) walling: in cement and sand (1:4) mortar: 20 gauge x 25mm wide hoop iron in every alternate course: including building on heights exceeding 3.0m high from floor level where shown: with 20 Gauge hoop iron wall ties 450mm long x 25mm wide with one end cast into concrete and other end built into walling in alternate courses: to</u>					
B	200mm thick walling	SM	40.20		-
C	150mm thick walling	SM	11.40		-
D	100mm thick walling	SM	21.00		-
<u>Balustrading and Railings</u>					
E	Provide a sum for rehabilitation of existing Balustrading & Railings as directed by the Project Architect	LM	16.00		-
<u>Shower Screens</u>					
F	10mm thick toughened frameless glass shower screens cut to fit in washrooms and complete with side or sliding doors to detail and all necessary accessories	SM	17.01		-

Carried to Collection
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PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 4 - BLOCK B [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 3 - OPENINGS</u>					
<u>Notes:</u> i) Door and Window Ironmongery to be approved prior to procurement ii) Door and Window samples to be as per the approved samples					
<u>TIMBER DOORS</u>					
<u>Timber grounds: (Provisional)</u>					
<u>Wrot soft wood timber: pelltated and screwed: on existing blockwork or concrete work</u>					
A	40 x 20mm Timber grounds	LM	145.20		-
<u>Wrot Mahogany</u>					
B	200 x 50mm frame, with two labours, plugged	LM	118.80		-
C	150 x 50mm frame, with two labours, plugged	LM	26.40		-
D	100 x 50mm frame, with two labours, plugged	LM			Rate Only
E	45 x 25mm architrave, with two labours, plugged	LM	228.00		-
F	25mm quadrant beading	LM	96.00		-
G	15 x 15mm glazing beading	LM			Rate Only
<u>Solid Timber Doors</u>					
H	38mm thick solid mahogany timber door overall size 900x2400mm high in 1 number side hung panel to Architect's details	Nr	2.00		-
<u>45mm thick solid core flush doors to BS 459: part 2, faced both sides with hardwood veneer and lipped on all edges in hardwood, including all planted mouldings, if any.</u>					
I	Door overall size 900 x 2400mm high	No	18.00		-
<u>45mm thick semi solid core flush doors to BS 459: part 2, faced both sides with hardwood veneer and lipped on all edges in hardwood, including all planted mouldings, if any.</u>					
J	Door overall size 800 x 2050mm high	No			Rate Only

Carried to Collection

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 4 - BLOCK B [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
	<u>Door Ironmongery</u>				
	<u>Supply and fix the following Ironmongery complete with matching screws: all ironmongery to be approved by the Architect prior to procurement</u>				
A	150mm butt hinges	Prs.	30.00		-
B	Approved 3 - lever mortice lock complete with lever furniture & door handle	Nr	2.00		-
C	Approved 2 - lever mortice lock complete with lever furniture & door handle	Nr	18.00		-
D	Rubber door stop rawl bolted to concrete floor	Nr	20.00		-
	<u>Glazing to timber doors</u>				
E	4 mm Ordinary clear sheet glass and glazing to timber panes over 0.1 but not exceeding 0.50 metres square	sm	7.20		-
	<u>Painting and decorating - Prepare and apply three coat clear varnish internally on:-</u>				
F	General surfaces	SM	86.40		-
G	Ditto but exceeding 100 to 200mm girth	LM	324.00		-
H	Ditto 200 to 300mm girth	LM	145.20		-
	<u>ALUMINIUM WINDOWS</u>				
	<u>Precast concrete class 20 fair faced all exposed surfaces bedded and jointed cement and sand (1:3) mortar</u>				
I	275 x 50mm thick window cill once rebated and throated laid and jointed in cement and sand 1:3 mortar	LM	23.00		-
	<u>In wrot cypress</u>				
J	100x25mm window board, plugged screwed and pelleted	Lm	23.00		-
	<u>Galvanized steel curtain rods</u>				
K	Supply and fix approved curtain rods complete with brackets and other accessories	LM	18.00		-

Carried to Collection

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 4 - BLOCK B [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
	<u>Aluminium Windows</u> <u>Supply, assemble and fix the following purposed-made powder coated aluminium framed windows infilled with 6mm thick clear sheet glass obtained from an approved manufacturer, complete with hinges, handles, catches and fixing frames to window openings. All windows to comprise 25mm high permanent vents to approval, machined hinges and fixing brackets for catches and stays. Window ironmongery to be heavy duty by an approved manufacturer. Window frame thickness and size to be approved by the Architect prior to fabrication. The space between window frames and concrete or masonry surfaces to receive weather proof seals such as silicon or any other equal and approved sealant material.</u>				
A	Supply & Fixing of Aluminium windows	SM	30.00		-
B	Extra over Aluminium windows for fixing of mosquito screens complete with sub-frames, hinges and closing and opening accessories	SM	30.00		-
	<u>Finishing to reveals</u> <u>15 mm cement and sand (1:3) render, finished with woodfloat to:-</u>				
C	Concrete or masonry surfaces	SM	6.00		-
	<u>12mm (minimum) two coat lime plaster as described to</u>				
D	Concrete or masonry surfaces internally	SM	6.00		-
	<u>Prepare and apply three coats first quality silk vinyl emulsion paint on:-</u>				
E	Plastered walls internally	SM	6.00		-
	<u>Prepare and apply three coats first quality sadolin or other equal and approved weatherguard emulsive paints on:-</u>				
F	Rendered surfaces externally	SM	6.00		-

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 4 - BLOCK B [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 4 - WALL FINISHES</u>					
<u>Plasterworks</u>					
<u>12mm Thick cement and sand (1:4) plaster: 3mm lime plaster steel trowelled finish: on concrete or blockwork: to</u>					
A	Walls	SM	145.20		-
<u>Compound waterproofing</u>					
<u>Sika Compound waterproofing additive mixed with screed strictly in accordance with manufacturer's printed instructions : to provide 10 year guarantee.</u>					
B	Wall: Washrooms	SM	151.00		-
<u>Granito or Ceramic wall tile finish</u>					
<u>Prepare surfaces: supply and fix ceramic or granito or other stone tile wall finish: pattern to approval: fixed with approved quality proprietary adhesive in accordance with manufacturer's printed instructions: on cement and sand (1:4) mortar beds: allow for stainless steel corner strips or other equal and approved: jointed, pointed and grouted in matching proprietary colour grout : all to approval and to match sample approved by the Architect</u>					
C	Ceramic wall tiles: Matt finish [Kitchenettes]	SM	5.00		-
D	Ceramic wall tiles: Matt finish [Washrooms]	SM	146.00		-
E	Granito wall tiles: Matt finish [Washrooms & Kitchenettes]	SM			Rate Only
<u>Paintwork</u>					
F	Rub down existing wall surfaces and clean to receive new coat of paint	SM	489.80		-
<u>Skim all wall surfaces, prepare and roller apply two coats of first quality emulsion paint and two finishing coats of first quality of silk vinyl or equal and approved paint: on</u>					
G	side of plastered surfaces	SM	145.20		-
H	side of existing wall surfaces internally	SM	257.80		-
<u>Prepare and apply 3 coats Crown Permacote or Equal and approved Exterior Emulsion Teflon paint with first coat thinned up to 15% with clean water or other equal and approved exterior paint to concrete or masonry surfaces externally</u>					
I	To existing rendered concrete and masonry surfaces externally	SM	232.00		-

Carried to Collection

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 4 - BLOCK B [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 5 - CEILING FINISHES</u>					
<u>Plaster</u>					
<u>Hack and prepare existing concrete surfaces to receive new plaster: 12 (average) mm cement, lime plaster and sand mix (1:1:4) : plaster as specified: steel trowelled finish : on concrete : to</u>					
A	Horizontal soffits of suspended slabs - general repairs only	SM	16.00		-
<u>Gypsum board ceiling</u>					
<u>Suspended gypsum plasterboard ceiling comprising of 1 no. layer x 9mm thick gypsum board fixed to soffits of slabs with and including proprietary C60 series light steel framework suspension system: taped and filled joints: allow for all cutting and trimming to light fittings</u>					
B	Gypsum board flat (horizontal) ceiling at a height not exceeding 2750mm above floor: dropped 100/200/300mm below slab level complete with steel channel bandering and all fixing accessories and tapering to detail	SM	12.00		-
C	100mm grith moulded gypsum cornice to sides of ceiling	LM	25.67		-
D	Allow for cutting ceiling to receive Lights & AC Units: various sizes	Nr	6.00		-
<u>Paintwork</u>					
<u>Skim all ceiling surfaces, prepare and roller apply three coats of emulsion paint to approval: on suspended gypsum board ceiling.</u>					
E	Water-proof paint finish to gypsum board ceilings: color to approval	SM	14.57		-
F	Soffit of suspended concrete slab	SM	159.00		-

Carried to Collection

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 4 - BLOCK B [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 6 - FLOOR FINISHES</u>					
<u>Screed beds</u>					
<u>Hack existing concrete surfaces and prepare to receive new screed beds:</u> <u>Supply and fix cement and sand (1:4) screed beds: trowelled to approval</u>					
A	40mm (average) Thick screed beds: finished to receive ceramic tile finish	SM	12.00		-
B	40mm (average) Thick screed beds: finished to receive 10mm thick granito tile finish	SM	144.00		-
C	100mm (average) Thick mortar plinths: to cabinets	SM	4.00		-
<u>Compound waterproofing</u>					
<u>Sika Compound waterproofing additive mixed with screed strictly in accordance with manufacturer's printed instructions : to provide 10 year guarantee</u>					
D	To receive Granito or Ceramic tile floor finish	SM	12.00		-
<u>Supply and fix Ceramic floor tiles: fixed with approved quality proprietary adhesive in accordance with manufacturer's printed instructions: on cement and sand mortar (1:4) screed beds (m.s): jointed, pointed and grouted in matching proprietary colour grout: allow for supply and fixing of all spacers and expansion joints as necessary : all as per the sample provided and approved by the Employer</u>					
E	Ceramic floor tiles of approved sizes [Washrooms]	SM	12.00		0
<u>Granito tile floor finish</u>					
<u>10mm Thick Granito tile floor finish: fixed with approved quality proprietary adhesive in accordance with manufacturer's printed instructions: on cement and sand mortar (1:4) screed beds (m.s): jointed, pointed and grouted in matching proprietary colour grout : allow for supply and fixing of all spacers and expansion joints as necessary : all as per the sample provided by Contractor and approved by the Architect</u>					
F	Granito floor tiles: matt finish: approved color [Rooms + Corridors + Kitchen]	SM	144.00		-
G	100mm high tile skirting	LM	134.00		-

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 4 - BLOCK B [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
	<u>Timber skirting</u>				
A	100x20mm Wrot mahogany timber skirting	LM			Rate Only
	<u>Paintworks</u>				
	<u>Prepare and apply three coats first quality 2 pack polyurethane polish any other varnish as directed by the Architect on:-</u>				
B	General surfaces of timber skirting internally	LM			Rate Only

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 4 - BLOCK B [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 7 - FITTINGS, FIXTURES & OTHER WORKS.</u>					
<u>The following in custom made Joinery: allow for contractor's designed bolted, screwed or nailed connections: Refer to Architect's details</u>					
A	600mm wide work top made out of 150mm thick fabric mesh reinforced concrete complete with formwork to soffit and edges fixed on top 150mm thick upstand walls (m.s); counter top and fascia to be clad with 20mm thick granite; allow for grinding edges of granite smooth and finishing to approval	LM	6.30		-
B	20mm thick granite top fixed to concrete worktop (m.s) overall size 600mm wide and cut to receive kitchen sink (m.s), with rounded edges.	SM	3.78		-
C	Ditto but 100mm high granite fascia or backsplash fixed to concrete worktop (m.s)	LM	15.00		-
D	Low level kitchen cupboard in MDF construction below the concrete worktop complete with internal shelves, divisions and openable doors fixed with malpa hinges to approval	LM	6.30		-
E	High level kitchen shelving in MDF construction complete with internal shelves, divisions and openable doors fixed with malpa hinges to approval	LM	6.30		-
F	Custom made wardrobe overall size 1150x2400mm high complete with internal divisions, hanging rails, doors and opening and closing accessories	Nr	6.00		-
G	Custom made reading table or luggage top in Mdf carcassing and Mahogany finished mdf tops overall size 1000x900mm high to Architect's details	Nr	2.00		-
H	Ditto overall size 1450x900mm high to Architect's details	Nr	4.00		-
<u>Mirrors to BS 952, as described</u>					
<u>Supply and fix 6mm thick mirror with bevelled edged fixing to smooth rendered walls with brass dome head screws, polished and including 6mm thick waterproof plywood.</u>					
I	size 1000 x 900mm	Nr	6.00		-
<u>Work incidental to air conditioning, ventilation, plumbing, drainage, fire fighting, electrical, music, TV, PABX, data and telephone installations, concealed fixings</u>					
J	Co-ordination with other engineering installations and marking and setting out the positions of all work	Item			Rate Only
K	Cutting or forming all holes, mortices, chases, building in or cutting and pinning brackets or the like including all associated builder's work and making good finishings	Item			
C	Building in or cutting and pinning brackets or the like and making good finishings	Item			
D	Protective and decorative painting	Item			

Carried to Collection
4:10

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PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 4 - BLOCK B [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
	<u>Collection</u>		<u>Page</u>		
	From Page		4:1		-
	From Page		4:2		-
	From Page		4:3		-
	From Page		4:4		-
	From Page		4:5		-
	From Page		4:6		-
	From Page		4:7		-
	From Page		4:8		-
	From Page		4:9		-
	From Page		4:10		-
	TOTAL FOR TYPICAL FLOOR [6 HOTEL ROOMS]				-
	NO. OFF FLOORS				3.00
Bill No. 4 - Total for Block B [18 Hotel Rooms]					Carried Forward To Grand Summary
					-

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 5 - BLOCK C [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>NOTES</u>					
A	The contractor is to allow for all temporary protection required during the works, including ordinary and special dust screens, hoarding, barriers, warning signs etc as directed by the Lead Consultant and as necessary for the protection of the existing structure. All such devices shall be removed on completion of the works and any necessary making good consequent upon this is to be done to the satisfaction of the Lead Consultant.	Item			
B	All useable materials arising from the demolitions shall remain the property of the Employer but the Contractor may take away any materials not so required by the Employer and shall allow a credit for the same in the credit column indicating value for all such materials that are reusable. All debris arising there from shall be carried away from site.	Item			
C	The works shall be executed in such order and sequence as the Project Manager may direct and as little disruption and inconvenience as possible shall be caused to the tenants, if any, staff and other users of existing and adjoining facilities.	Item			
D	The Contractor shall visit the site to acquaint themselves with its nature and position, the nature of the existing facilities, position of power and water supplies, access roads or any other limitations, and no claims for extras will be considered on account of lack of knowledge in this respect.	Item			
<u>SECTION NO. 1 - DEMOLITION AND ALTERATIONS</u>					
<u>[Modification of Rooms] - ALL PROVISIONAL</u>					
E	Carefully remove existing doors or window complete with frame and ironmongery and set aside for re-use or client's storage	Nr	6.00		-
F	Carefully demolish existing 200/150/100mm thick internal walling as directed on site to allow for new walls or openings and make good disturbed surfaces to receive new finishes	SM	48.00		-
G	Hack off existing floor finish, make good surfaces to receive new floor finish	SM	156.00		-
H	Hack off existing wall tiles, make good disturbed surfaces to receive new wall finishes	SM	25.33		-
I	Allow for demolitions of existing joinery fixtures & fittings (wardrobes & kitchen units)	Item			
J	Hack off existing wall plaster as directed on site to receive new paint - general repairs only - provisional quantity	SM	16.00		
K	Allow for demolitions of existing services installations as directed on site	Item			
L	Allow a provisional sum for additional demolitions internally as directed on site	Item			

Carried to Collection
5:1

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PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 5 - BLOCK C [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 2 - NEW INTERNAL PARTITION WALLS</u>					
<u>Concrete Lintols to high wall</u>					
<u>Precast concrete units: class 20/12 mm: vibrated: reinforced: complete with formwork</u>					
A	150 x 200mm Lintol	LM	18.00		-
<u>Concrete blockwork</u>					
<u>Solid concrete blocks (7N/mm²) walling: in cement and sand (1:4) mortar: 20 gauge x 25mm wide hoop iron in every alternate course: including building on heights exceeding 3.0m high from floor level where shown: with 20 Gauge hoop iron wall ties 450mm long x 25mm wide with one end cast into concrete and other end built into walling in alternate courses: to</u>					
B	200mm thick walling	SM	40.20		-
C	150mm thick walling	SM	11.40		-
D	100mm thick walling	SM	21.00		-
<u>Balustrading and Railings</u>					
E	Provide a sum for rehabilitation of existing Balustrading & Railings as directed by the Project Architect	LM	16.00		-
<u>Shower Screens</u>					
F	10mm thick toughened frameless glass shower screens cut to fit in washrooms and complete with side or sliding doors to detail and all necessary accessories	SM	17.01		-

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 5 - BLOCK C [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 3 - OPENINGS</u>					
<u>Notes:</u> i) Door and Window Ironmongery to be approved prior to procurement ii) Door and Window samples to be as per the approved samples					
<u>TIMBER DOORS</u>					
<u>Timber grounds: (Provisional)</u>					
<u>Wrot soft wood timber: pelltated and screwed: on existing blockwork or concrete work</u>					
A	40 x 20mm Timber grounds	LM	145.20		-
<u>Wrot Mahogany</u>					
B	200 x 50mm frame, with two labours, plugged	LM	118.80		-
C	150 x 50mm frame, with two labours, plugged	LM	26.40		-
D	100 x 50mm frame, with two labours, plugged	LM			Rate Only
E	45 x 25mm architrave, with two labours, plugged	LM	228.00		-
F	25mm quadrant beading	LM	96.00		-
G	15 x 15mm glazing beading	LM			Rate Only
<u>Solid Timber Doors</u>					
H	38mm thick solid mahogany timber door overall size 900x2400mm high in 1 number side hung panel to Architect's details	Nr	2.00		-
<u>45mm thick solid core flush doors to BS 459: part 2, faced both sides with hardwood veneer and lipped on all edges in hardwood, including all planted mouldings, if any.</u>					
I	Door overall size 900 x 2400mm high	No	18.00		-
<u>45mm thick semi solid core flush doors to BS 459: part 2, faced both sides with hardwood veneer and lipped on all edges in hardwood, including all planted mouldings, if any.</u>					
J	Door overall size 800 x 2050mm high	No			Rate Only

Carried to Collection

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 5 - BLOCK C [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
	<u>Door Ironmongery</u>				
	<u>Supply and fix the following Ironmongery complete with matching screws: all ironmongery to be approved by the Architect prior to procurement</u>				
A	150mm butt hinges	Prs.	30.00		-
B	Approved 3 - lever mortice lock complete with lever furniture & door handle	Nr	2.00		-
C	Approved 2 - lever mortice lock complete with lever furniture & door handle	Nr	18.00		-
D	Rubber door stop rawl bolted to concrete floor	Nr	20.00		-
	<u>Glazing to timber doors</u>				
E	4 mm Ordinary clear sheet glass and glazing to timber panes over 0.1 but not exceeding 0.50 metres square	sm	7.20		-
	<u>Painting and decorating - Prepare and apply three coat clear varnish internally on:-</u>				
F	General surfaces	SM	86.40		-
G	Ditto but exceeding 100 to 200mm girth	LM	324.00		-
H	Ditto 200 to 300mm girth	LM	145.20		-
	<u>ALUMINIUM WINDOWS</u>				
	<u>Precast concrete class 20 fair faced all exposed surfaces bedded and jointed cement and sand (1:3) mortar</u>				
I	275 x 50mm thick window cill once rebated and throated laid and jointed in cement and sand 1:3 mortar	LM	23.00		-
	<u>In wrot cypress</u>				
J	100x25mm window board, plugged screwed and pelleted	Lm	23.00		-
	<u>Galvanized steel curtain rods</u>				
K	Supply and fix approved curtain rods complete with brackets and other accessories	LM	18.00		-

Carried to Collection

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 5 - BLOCK C [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
	<u>Aluminium Windows</u> <u>Supply, assemble and fix the following purposed-made powder coated aluminium framed windows infilled with 6mm thick clear sheet glass obtained from an approved manufacturer, complete with hinges, handles, catches and fixing frames to window openings. All windows to comprise 25mm high permanent vents to approval, machined hinges and fixing brackets for catches and stays. Window ironmongery to be heavy duty by an approved manufacturer. Window frame thickness and size to be approved by the Architect prior to fabrication. The space between window frames and concrete or masonry surfaces to receive weather proof seals such as silicon or any other equal and approved sealant material.</u>				
A	Supply & Fixing of Aluminium windows	SM	30.00		-
B	Extra over Aluminium windows for fixing of mosquito screens complete with sub-frames, hinges and closing and opening accessories	SM	30.00		-
	<u>Finishing to reveals</u> <u>15 mm cement and sand (1:3) render, finished with woodfloat to:-</u>				
C	Concrete or masonry surfaces	SM	6.00		-
	<u>12mm (minimum) two coat lime plaster as described to</u>				
D	Concrete or masonry surfaces internally	SM	6.00		-
	<u>Prepare and apply three coats first quality silk vinyl emulsion paint on:-</u>				
E	Plastered walls internally	SM	6.00		-
	<u>Prepare and apply three coats first quality sadolin or other equal and approved weatheguard emulsive paints on:-</u>				
F	Rendered surfaces externally	SM	6.00		-

Carried to Collection
5:5

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PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 5 - BLOCK C [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 4 - WALL FINISHES</u>					
<u>Plasterworks</u>					
<u>12mm Thick cement and sand (1:4) plaster: 3mm lime plaster steel trowelled finish: on concrete or blockwork: to</u>					
A	Walls	SM	145.20		-
<u>Compound waterproofing</u>					
<u>Sika Compound waterproofing additive mixed with screed strictly in accordance with manufacturer's printed instructions : to provide 10 year guarantee.</u>					
B	Wall: Washrooms	SM	151.00		-
<u>Granito or Ceramic wall tile finish</u>					
<u>Prepare surfaces: supply and fix ceramic or granito or other stone tile wall finish: pattern to approval: fixed with approved quality proprietary adhesive in accordance with manufacturer's printed instructions: on cement and sand (1:4) mortar beds: allow for stainless steel corner strips or other equal and approved: jointed, pointed and grouted in matching proprietary colour grout : all to approval and to match sample approved by the Architect</u>					
C	Ceramic wall tiles: Matt finish [Kitchenettes]	SM	5.00		-
D	Ceramic wall tiles: Matt finish [Washrooms]	SM	146.00		-
E	Granito wall tiles: Matt finish [Washrooms & Kitchenettes]	SM			Rate Only
<u>Paintwork</u>					
F	Rub down existing wall surfaces and clean to receive new coat of paint	SM	489.80		-
<u>Skim all wall surfaces, prepare and roller apply two coats of first quality emulsion paint and two finishing coats of first quality of silk vinyl or equal and approved paint: on</u>					
G	side of plastered surfaces	SM	145.20		-
H	side of existing wall surfaces internally	SM	257.80		-
<u>Prepare and apply 3 coats Crown Permacote or Equal and approved Exterior Emulsion Teflon paint with first coat thinned up to 15% with clean water or other equal and approved exterior paint to concrete or masonry surfaces externally</u>					
I	To existing rendered concrete and masonry surfaces externally	SM	232.00		-

Carried to Collection

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 5 - BLOCK C [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 5 - CEILING FINISHES</u>					
<u>Plaster</u>					
<u>Hack and prepare existing concrete surfaces to receive new plaster: 12 (average) mm cement, lime plaster and sand mix (1:1:4) : plaster as specified: steel trowelled finish : on concrete : to</u>					
A	Horizontal soffits of suspended slabs - general repairs only	SM	16.00		-
<u>Gypsum board ceiling</u>					
<u>Suspended gypsum plasterboard ceiling comprising of 1 no. layer x 9mm thick gypsum board fixed to soffits of slabs with and including proprietary C60 series light steel framework suspension system: taped and filled joints: allow for all cutting and trimming to light fittings</u>					
B	Gypsum board flat (horizontal) ceiling at a height not exceeding 2750mm above floor: dropped 100/200/300mm below slab level complete with steel channel bandering and all fixing accessories and tapering to detail	SM	12.00		-
C	100mm grith moulded gypsum cornice to sides of ceiling	LM	25.67		-
D	Allow for cutting ceiling to receive Lights & AC Units: various sizes	Nr	6.00		-
<u>Paintwork</u>					
<u>Skim all ceiling surfaces, prepare and roller apply three coats of emulsion paint to approval: on suspended gypsum board ceiling.</u>					
E	Water-proof paint finish to gypsum board ceilings: color to approval	SM	14.57		-
F	Soffit of suspended concrete slab	SM	159.00		-

Carried to Collection

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 5 - BLOCK C [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 6 - FLOOR FINISHES</u>					
<u>Screed beds</u>					
<u>Hack existing concrete surfaces and prepare to receive new screed beds:</u>					
<u>Supply and fix cement and sand (1:4) screed beds: trowelled to approval</u>					
A	40mm (average) Thick screed beds: finished to receive ceramic tile finish	SM	12.00		-
B	40mm (average) Thick screed beds: finished to receive 10mm thick granito tile finish	SM	144.00		-
C	100mm (average) Thick mortar plinths: to cabinets	SM	4.00		-
<u>Compound waterproofing</u>					
<u>Sika Compound waterproofing additive mixed with screed strictly in accordance with manufacturer's printed instructions : to provide 10 year guarantee</u>					
D	To receive Granito or Ceramic tile floor finish	SM	12.00		-
<u>Supply and fix Ceramic floor tiles: fixed with approved quality proprietary adhesive in accordance with manufacturer's printed instructions: on cement and sand mortar (1:4) screed beds (m.s): jointed, pointed and grouted in matching proprietary colour grout: allow for supply and fixing of all spacers and expansion joints as necessary : all as per the sample provided and approved by the Employer</u>					
E	Ceramic floor tiles of approved sizes [Washrooms]	SM	12.00		0
<u>Granito tile floor finish</u>					
<u>10mm Thick Granito tile floor finish: fixed with approved quality proprietary adhesive in accordance with manufacturer's printed instructions: on cement and sand mortar (1:4) screed beds (m.s): jointed, pointed and grouted in matching proprietary colour grout : allow for supply and fixing of all spacers and expansion joints as necessary : all as per the sample provided by Contractor and approved by the Architect</u>					
F	Granito floor tiles: matt finish: approved color [Rooms + Corridors + Kitchen]	SM	144.00		-
G	100mm high tile skirting	LM	134.00		-

Carried to Collection

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 5 - BLOCK C [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
	<u>Timber skirting</u>				
A	100x20mm Wrot mahogany timber skirting	LM			Rate Only
	<u>Paintworks</u>				
	<u>Prepare and apply three coats first quality 2 pack polyurethane polish any other varnish as directed by the Architect on:-</u>				
B	General surfaces of timber skirting internally	LM			Rate Only

PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 5 - BLOCK C [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)
<u>SECTION NO. 7 - FITTINGS, FIXTURES & OTHER WORKS.</u>					
<u>The following in custom made Joinery: allow for contractor's designed bolted, screwed or nailed connections: Refer to Architect's details</u>					
A	600mm wide work top made out of 150mm thick fabric mesh reinforced concrete complete with formwork to soffit and edges fixed on top 150mm thick upstand walls (m.s); counter top and fascia to be clad with 20mm thick granite; allow for grinding edges of granite smooth and finishing to approval.	LM	6.30		-
B	20mm thick granite top fixed to concrete worktop (m.s) overall size 600mm wide and cut to receive kitchen sink (m.s), with rounded edges.	SM	3.78		-
C	Ditto but 100mm high granite fascia or backsplash fixed to concrete worktop (m.s)	LM	15.00		-
D	Low level kitchen cupboard in MDF construction below the concrete worktop complete with internal shelves, divisions and openable doors fixed with malpa hinges to approval	LM	6.30		-
E	High level kitchen shelving in MDF construction complete with internal shelves, divisions and openable doors fixed with malpa hinges to approval	LM	6.30		-
F	Custom made wardrobe overall size 1150x2400mm high complete with internal divisions, hanging rails, doors and opening and closing accessories	Nr	6.00		-
G	Custom made reading table or luggage top in Mdf carcassing and Mahogany finished mdf tops overall size 1000x900mm high to Architect's details	Nr	2.00		-
H	Ditto overall size 1450x900mm high to Architect's details	Nr	4.00		-
<u>Mirrors to BS 952, as described</u>					
<u>Supply and fix 6mm thick mirror with bevelled edged fixing to smooth rendered walls with brass dome head screws, polished and including 6mm thick waterproof plywood.</u>					
I	size 1000 x 900mm	Nr	6.00		-
<u>Work incidental to air conditioning, ventilation, plumbing, drainage, fire fighting, electrical, music, TV, PABX, data and telephone installations, concealed fixings</u>					
J	Co-ordination with other engineering installations and marking and setting out the positions of all work	Item			Rate Only
K	Cutting or forming all holes, mortices, chases, building in or cutting and pinning brackets or the like including all associated builder's work and making good finishings	Item			
C	Building in or cutting and pinning brackets or the like and making good finishings	Item			
D	Protective and decorative painting	Item			

Carried to Collection
5:10

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PROPOSED CONVERSION OF KESRA APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 5 - BLOCK C [18 Hotel Rooms]

Item	Description	Unit	Quantity	Rates	Amount (KSH)	
	<u>Collection</u>		<u>Page</u>			
	From Page		5:1		-	
	From Page		5:2		-	
	From Page		5:3		-	
	From Page		5:4		-	
	From Page		5:5		-	
	From Page		5:6		-	
	From Page		5:7		-	
	From Page		5:8		-	
	From Page		5:9		-	
	From Page		5:10		-	
	TOTAL FOR TYPICAL FLOOR [6 HOTEL ROOMS]				-	
	NO. OFF FLOORS				3.00	
Bill No. 5 - Total for Block C [18 Hotel Rooms]					Carried Forward To Grand Summary	-

PROPOSED CONVERSION OF APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

BILL NO. 6 - EXTERNAL WORKS

Item	Description	Unit	Quantity	Rate	Amount (Ksh)
	<u>ELEMENT NO 3</u>				
	<u>PROVISIONAL SUMS (ALL PROVISIONAL)</u>				
A	Provisional Sum of Kshs 1,500,000.00 for General Repairs of existing roofs and installation of rain water goods	Item			1,500,000.00
B	Provisional Sum of Kshs 1,500,000.00 for Supply & Installation of Water Tanks + Accessories & Associated Pipeworks	Item			1,500,000.00
C	Provisional sum of Kshs 1,200,000.00 for Septic Tank & Foul Drainage Externally to be expended as directed by the	Item			1,200,000.00
D	Provisional sum of Kshs 250,000.00 for Storm Water Drainage Repairs	Item			250,000.00
E	Provisional sum of Kshs 500,000.00 for rehabilitation of existing driveway, parking and paved areas	Item			500,000.00
Bill No. 7 - External Works					4,950,000.00
Total Carried To Main Summary					4,950,000.00

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT IN (K. SHs)
	<u>PROPOSED KESRA MOMBASA HOTEL/SERVICED APARTMENTS</u>				
	<u>PLUMBING & DRAINAGE AND SANITARYWARE INSTALLATIONS</u>				
A	<u>EXTERNAL PLUMBING SERVICES</u>				
P.01.00	EXTERNAL POTABLE WATER RETICULATION SYSTEM				
	<i>Supply, Install, Test and Commission the following:</i>				
P.01.01	40mm diameter pipe from the existing mains to the ground water storage tank.	Lm.	120		
P.01.02	Ditto 40mm diameter pipe from ground tanks to overhead storage tank	Lm.	60		
P.01.03	40mm diameter high pressure screw-down full way non-rising stem gate valve as Pegler or equal and approved for water connection to the ground level tank.	No.	4		
P.01.04	Water meter with forward and reverse flow metering as Johnsons / Honeywell - 40 size 3/4" complete including all accessories and fittings to pipework to reticulation/building supply line.	No.	4		
P.01.05	PVC rotary molded PVC rectangular water storage tank of capacity 1000 litres as "Roto" or "Ken tank". Allow in the rates for 25mm diameter (internal orifice) ball valve, Brass Inline Strainers and all inlet, outlet, washout and overflow pipe connections complete with isolating valves and accessories.	No.	6		
P.01.06	PVC rotary molded PVC rectangular water storage tank of capacity 4000 litres as "Roto" or "Ken tank". Allow in the rates for 25mm diameter (internal orifice) ball valve, Brass Inline Strainers and all inlet, outlet, washout and overflow pipe connections complete with isolating valves and accessories.	No.	3		
P.01.07	Brass Gate Valve, 40mm diameter as "Cobra" 1002/125-15 (For Outlet and Wash-out lines).	No.	12		
P.01.08	Brass Inline Strainer, 40mm diameter as "Cobra" 1050-32.	No.	6		
P.01.09	Cold Water system Pressurization Pump set as "PEDROLLO PKm65 pump" Booster set (duty and standby) with a control panel for the set of pumps to work interchangeably and incorporating thermal protection against motor overload and dry-run protection with auto-restart.	Set	3		
P.01.10	40mm PPR PN 25 piping for pump connection, overflow and washout complete with all pipe fittings including but not limited to tees, elbows, adaptors and couplings (Provisional).	Lm.	145		
P.01.11	Construct masonry Gate Valve chamber (450mm x 300mm x 450mm average depth) in 100mm concrete block wall, mass concrete base slab and pre-cast concrete cover slab.	No.	4		
P.01.12	Allow for setting to work, testing and commissioning of the whole of internal plumbing works to the satisfaction of Engineer. This shall include part testing of the plumbing works as installation progresses and issuances of test certificate to the Engineer witnessed by the Clerk of Works. Include in the rates for sterilization of the whole of the internal and external plumbing works by Chlorination as described to the satisfaction of the Engineer.	Item.	1		
	TOTAL C/F TO SUMMARY PAGE				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS).
B	<u>SANITARYWARE & EQUIPMENT INSTALLATIONS</u>				
P.02.00	<p>Supply the listed sanitaryware items and equipment complete, deliver to the project site, assemble, install, test and commission. Allow for supply and installation of all fixings, supports and connections to services, control, isolating and non-return valves. Include for supply and installation of all fittings, angle valves and accessories. Allow for any other item required for the satisfactory execution and completion of the installation.</p> <p>The specifications as given in the BoQ shall be understood as a quality reference guide. The contractor shall provide a brand of similar, equal or better quality. All fittings shall be subject to approval by the architect and engineer before procurement and installation.</p> <p>Supply, Install, Test and Commission the following complete:</p>				
P.02.01	Close Coupled W.C pan, as "Ideal Ceramics" complete with 4/6L cistern and fittings with dual flush push button, seat and cover with stainless steel hinges and W.C outlet Connector.	No.	48		
P.02.02	Toilet Paper Dispenser, in stainless steel AISI 304, satin finish as "Medidnics" PR0789CS and complete with fixings.	No.	48		
P.02.03	Ceramic WHB as Duravit D-Code Ref# 07054500002 complete with Semi-Pedestal Ref# 08571700002 and inclusive of hangers and fixings, 35mm diameter uPVC Anti-syphonage bottle trap with extension pipe to flange and, Chrome plated grid waste.	No.	48		
P.02.04	Chrome plated Self-dosing Push Type Tap $\frac{1}{2}$ " as DOCOL and inclusive of flexible hose pipe as Cobra C-15-350 and angle valve as Cobra 832-10..	No.	48		
P.02.05	Stainless steel inset kitchen sink Single Bowl Single Drainer as "Franke", size 1015mm x 505mm x 192mm, satin polish finish, complete with grating as Twyford's FC1044WH, complete with sink waste as WF4374CP; uPVC P bottle trap as WF 8483XX with extension pipe to wall; and inclusive of sealing sink to top with clear silicon building sealant.	No	16		
P.02.06	Chrome plated Sink single lever kitchen mixer with swivel spout 150° as "Hansgrohe Talis Ref# 14870,-000,-800 and inclusive of set of flexible hose pipes as Cobra C-15-350 and set of angle regulating valves as Cobra 832-10.	No	16		
P.02.07	Arabic shower complete with wall bracket and screws, on and off water button switch,40mm diameter shower head complete with 1200mm long spray pattern hose and half inch threaded female connection plus angle valve	No	48		
P.02.08	Chrome plated Shower Set Comprising of 2 No. Shower Valves complete with concealed mixer, 1No. Ultra-Low flow rate Shower Head complete with water aerator and flow regulator of not more than 6 liters per minute at 80 psi pressure and inclusive of shower Arm all as "HANS GROHE".	No.	48		
P.02.09	Surface mount Soap dish in stainless steel AISI 304, bright finish as "Medidnics" AI0160C and complete with fixings to approval.	No.	48		
TOTAL CARRIED FORWARD					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS).
TOTAL BROUGHT FORWARD					
P.02.10	Stainless steel grab bar, 865mm x 456mm, angled, complete with snap flange cover as "Medidemics" Ref# BAI090C.S.	No.	48		
P.02.11	Chrome plated double robe hook as VADO ELE-186 103.001.28 or similar and to approval.	No.	48		
P.02.12	Bevel edged mirror, size 800mm x 600mm x 6mm complete with back pad and chrome dome head screw fixings.	No.	48		
TOTAL C/F SUMMARY PAGE.					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS).
C	<u>WATER DISTRIBUTION SYSTEM (IN CPVC PIPING AND ACCESSORIES)</u>				
P.03.00	<p><i>Supply, install, test and commission the water distribution system in ASTM D2846 CPVC piping to conform to the requirements of B.S 6700 and to the particular requirements of the site. Each room to be installed with isolation valve. Include for all pipe brackets, hangers and fixings as per pipe manufacturer's recommended spacing. Allow for any other item required for the satisfactory execution, completion and operation of the installation.</i></p> <p><i>Allow in the rates for all pipe fittings and accessories of the same manufacturer including but not limited to reducer bushings, transition bushings, transition couplings, reducer couplings, brass couplings, tees, reducer tees, elbows, adaptors, brass FPT tees, brass FPT elbows and brass male adaptors all as required for the complete the cold water distribution system.</i></p> <p>Supply, Install, Test and Commission the following complete;</p>				
P.03.01	50mm diameter inclusive of all connectors, adaptors, supports and valves installed in walls, floors, ceilings and ducts from the existing plumbing system valve within the kitchen area to kitchen sinks, wash hand basins, and WCs as detailed in the drawings.	Lm	70		
P.03.02	Ditto but 32mm diameter	Lm	230		
P.03.03	Ditto but 25mm diameter	Lm	340		
P.03.04	Ditto but 20mm diameter	Lm	75		
P.03.05	Brass Gate Valve, 40mm diameter as "Cobra" 1002/125-25.	No.	3		
P.03.06	Ditto but 32mm diameter.	No.	3		
P.03.07	Ditto but 25mm diameter.	No.	12		
	HOT WATER PIPEWORK				
P.03.08	40mm diameter inclusive of all connectors, adaptors, supports and all accessories, installed in walls, floors, ceilings and ducts from the Hot Water Storage Tank to the Dishwasher and Selected kitchen sinks as detailed in the drawings.	Lm.	70		
P.03.09	Ditto but 32mm diameter	Lm	130		
P.03.10	Ditto but 25mm diameter	Lm	195		
P.03.11	Ditto but 20mm diameter	Lm	210		
P.03.12	Brass Gate Valve, 40mm diameter as "Cobra" 1002/125-25.	No.	3		
P.03.13	Ditto but 25mm diameter.	No.	12		
	TOTAL C/F TO SUMMARY PAGE				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (KSHS).
D	<u>SOIL AND WASTE DRAINAGE SYSTEM (uPVC PIPING)</u>				
P.04.00	<i>Supply, install, test and commission the installation in Heavy Duty UPVC pipework; grey for the internal above ground system and golden brown for the buried system all complying to BS 5750 quality system of manufacture and to BS 5572, BS 4515 and BS 5255 and to the particular condition and requirements of the site. The manufacturer's pipe jointing recommendations shall be fully complied with.</i>				
	<i>Allow in the rates for all necessary pipe fittings and accessories of the same manufacture including but not limited to adaptors, connectors, Tees, reducers, elbows, rodding access points, plugs and all pipe brackets, hangers and fixings as required for the satisfactory execution of the work and efficient completion and operation of the soil and waste drainage system.</i>				
	Supply, Install, Test and Commission the following complete;				
P.04.01	32mm diameter.	Lm	60		
P.04.02	40mm diameter.	Lm	30		
P.04.03	50mm diameter.	Lm	180		
P.04.04	110mm diameter.	Lm	340		
P.04.05	100mm diameter vent cowl	No.	12		
P.04.06	50mm diameter vent cowl	No.	6		
P.04.07	150mm x 150mm Floor trap complete with stainless steel access cover with drainage holes.	No.	48		
P.04.08	110mm diameter Terrain 18.49 'P' Trap Spigot outlet gulley traps complete with 300mm x 300mm masonry walling water proof plaster finish internally and purpose made aluminium or galvanized frame complete with precast concrete cover to approval	No.	18		
P.04.09	Allow for linking the new soil and waste drainage system of every block into the existing system complete inclusive of testing.	Item.	1		
TOTAL C/F TO SUMMARY PAGE.					

ITEM	DESCRIPTION	UNIT	QTY.	RATE (KSHS)	AMOUNT IN (KSHS).
E P.05.00	<u>SOLAR WATER HEATING SYSTEM INSTALLATIONS</u> <i>Supply all materials, install, test and commission In-Direct Solar Water Heating System comprising of hot water storage tank, Flat collector panels, Circulation pumps, mounting bracket, immersion heater elements, pressure and high pressure release valves, thermostatic valve with timer switch and all connections and accessories for installation into a pressurized water system. Preferred equipment Manufacturer / model shall be as Solarhart, Haier or a brand of similar/better quality and to the engineer's approval.</i> Specific Items as follows: P.05.01 Flat Collector Panels of 2m ² gross area, in aluminium absorber sheet material with 4mm tempered glass cover material, 24g galvanized iron frame material, rock wool insulation and copper riser pipes and inclusive of all necessary brass interconnection accessories. Allow in the rates for Galvanized Iron Mounting frame. P.05.02 200 Liters Hot Water Storage tanks in 2mm thick G 316 Steel inner tank material, 50mm polyurethane insulation, copper outer tank, heat exchanger, and complete with automatic air vent and pressure / temperature release valve. P.05.03 Hot Water Primary Circulation Pump Set as "Grundfos" Model UPA 120 complete with all wiring. P.05.04 Solar Control Unit complete with all wiring. P.05.05 32mm Gl, Class "C" pipe work between Solar Collector Panels and Storage Tanks and up to 5 meters after the collector panels outlet. P.05.06 32mm diameter PN 25 PPR/Aluminium/PPR Piping inclusive of all connectors, adaptors, supports and valves installed in walls, floors, ceilings and ducts from the Solar system to the kitchen sinks all as detailed in the drawings.				
	TOTAL C/F TO SUMMARY PAGE.				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT IN (K. SHs)
F	<u>FIRE FIGHTING SYSTEM INSTALLATIONS</u>				
P.06.00	<u>PORTABLE EXTINGUISHERS</u>				
	<i>Supply and install Fire extinguishers equipments complete, deliver to the project site, assemble, install, test and commission.</i>				
P.06.01	5kg manganese steel portable CO2 gas fire extinguisher complete.	No	9		
P.06.02	Cartridge operated 9kg portable dry powder fire extinguisher complete.	No	9		
P.06.03	1.2m x 1.2m Fire blanket complete.	No.	18		
	TOTAL C/F TO SUMMARY PAGE.				

KESRA MOMBASA GUEST APARTMENTS - PLUMBING, DRAINAGE & FIRE FIGHTING INSTALLATIONS - SUMMARY PAGE.

ITEM	DESCRIPTION	AMOUNT (IN KSHS)
<p>P.00</p>	<p>GENERAL ITEMS Allow for the preparation of all shop and 'as-built' drawings, and project documentation including manuals, warranties etc. All documents shall be submitted in triplicate hard copies, bound. Soft copies shall be presented in a CD ROM. All drawings shall be at 1:50 scale.</p>	
<p>A</p>	<p>EXTERNAL PLUMBING SERVICES</p>	
<p>B</p>	<p>SANITARYWARE & EQUIPMENT INSTALLATIONS</p>	
<p>C</p>	<p>WATER DISTRIBUTION SYSTEM (IN CPVC PIPING AND ACCESSORIES)</p>	
<p>D</p>	<p>SOIL AND WASTE DRAINAGE SYSTEM (uPVC PIPING)</p>	
<p>E</p>	<p>SOLAR WATER HEATING SYSTEM INSTALLATIONS</p>	
<p>F</p>	<p>PORTABLE EXTINGUISHERS</p>	
	<p>TOTAL FOR PLUMBING, DRAINAGE & FIREFIGHTING INSTALLATIONS C/F TO MAIN COLLECTION PAGE</p>	

PROPOSED HOTEL/SERVICED APARTMENTS

AT

KESRA MOMBASA CAMPUS, MOMBASA COUNTY

FOR

M/S KENYA REVENUE AUTHORITY (Kenya School of Revenue Administration)

(ALL RATES TO BE INCLUSIVE OF 16% V.A.T AS APPLICABLE)

ELECTRICAL AND FIRE ALARM SERVICES INSTALLATIONS.

BILLS of QUANTITIES

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT (K.SHs)
P.00	<p><u>GENERAL ITEMS</u></p> <p>A Allow for the preparation of 'Shop' drawings in A1 size print to be displayed for the entirety of the project works.</p> <p>B Allow for the preparation of all "As Built" Drawings and handover documentation including manuals, warranties and test results compilation. The tests shall be carried out as per the schedules attached with this bills of quantities document. All documents shall be submitted in triplicate hard copies, bound. Soft copies shall be presented in a CD ROM. All drawings shall be at 1:50 scale.</p>	Sum	1		
	TOTAL CARRIED TO SUMMARY PAGE				

ITEM	DESCRIPTION	UNIT.	QTY.	RATE	AMOUNT in KSHS.
	<u>ELECTRICAL DISTRIBUTION SYSTEM INSTALLATIONS</u>				
E1.01.00	<p>Supply and deliver to site fittings, equipment and materials for Distribution System. Allow for storage on site all materials, fittings and equipment as stated below. Install, connect up-up complete including all conduits, supports, fixings, sleeves and accessories required for distribution system. Include for earthing requirements and connections and other item not detailed but required for the satisfactory completion and operation of the installation. The reference standard shall be the latest edition of the IET Wiring Regulations BS 7671.</p> <p>Note:</p> <p>The proposed equipment, fittings and cable manufacturers MUST be brands with more than 10 Years in the Kenyan market. The brand(s) specified for any fitting in this document should be understood to serve only as a quality reference guide.</p> <p>Datasheets for all power distribution boards and cables shall be submitted with the bid and shall also be subject to inspection and approval by the Engineer before installation.</p> <p>Circuit breaker coordination and selectivity requirements shall be determined on site.</p> <p>Supply, Install, Test and Commission the following:</p>				
E1.01.01	3 x 10 sq.mm PVC/SWA insulated copper cable inclusive of all cable lugs, glands and shrouds, laid in 32mm dia. heavy gauge PVC conduits, from the Ground Floor Wall Mounted Electrical Meter Boards provided per block to the 18 No. Wing Consumer Units for all 3 No. Blocks (Provisional)	Lm	240		
E1.01.02	Recess mount 15 Way Single Phase Power Consumer Unit in "Silverish Grey" finish. See "Schneider" Acti9 as reference. The CU shall be fitted complete with a 80A double pole MCB as Main Breaker. Allow in the rates for neatly printed circuit labelling in the C.U. Include in the rates for earthing of the power board to IEE regulations and to the satisfaction of the engineer (Wing Consumer Unit)	No.	18		
E1.01.03	80A DP RCCB (100mA Sensitivity) - Mounted in CU	No	18		
E1.01.04	Type 1+2 240V, 50Hz, 3 Phase - 4 Pole (3P + N) AC Power Surge Protective Device rated for 12.5kA (L-L, L-N)/50kA (N-PE) Impulse Current (Iimp), 1.5kV (Up), complete with temporary overvoltage withstand capability (for installation in the Main Meter Board provided per Block).	No.	3		
	TOTAL CARRIED FORWARD				

ITEM	DESCRIPTION	UNIT.	QTY.	RATE.	AMOUNT in KSHS.
E1.01.05	<p>TOTAL BROUGHT FORWARD</p> <p>Allow a SUM of KES 35,000.00 per Meter Board for the Servicing and Repair of existing Meter Boards to comply with the minimum required standards for low voltage (415V) switchgear and control gear assemblies as specified in IEC 61439, including but not limited to suitability for external influences (IP rating), safe cable management and adequate protection against involuntary contact (protection against electric shock), proper warning labelling, proper circuit labelling within the board, safe means of isolation, protection against fault currents etc.</p>	No.	3		
E1.01.06	<i>MCBs in the above consumer units;</i>				
a	10A SP	No.	54		
b	20A SP	No.	72		
c	32A SP	No.	72		
d	Blanking plates for all spare ways.	No.	18		
E1.01.07	200mm (Width) X 50mm (Depth) double compartment heavy duty PVC cable trunking complete with cover, all cable retainers and mounting accessories as required (Provisional for Cable, Refrigerant and Condensate Piping Management between Indoor AC Unit and Outdoor Units)	Lm	270		
	TOTAL CARRIED TO SUMMARY PAGE				

ITEM	DESCRIPTION	UNIT.	QTY.	RATE	AMOUNT in KSHS.
	<u>POWER POINTS WIRING AND INSTALLATIONS</u>				
E1.02.00	<i>Supply and deliver to site materials, fittings and accessories, install, connect-up complete and commission the installation. Include in the rates for supply, installation and connecting up all cables including all required conduits, supports, fixings, sleeves and accessories for power point, install complete all conduits, supports, fixings, sleeves and accessories for voice and data points. Accessories manufacturers shall be of an approved quality, with the brands expected to have been in the Kenyan market for a period of at least 10 Years The reference standard for all small power installations shall be as the latest edition of the IET Wiring Regulations BS 7671.</i>				
	Note! All fittings shall be subject to inspection and approval before installation.				
E1.02.01	13 Amp Premium Quality Twin Socket Outlet Plates with USB charger in white finish.	No.	48		
E1.02.02	Standard 13 Amp Premium Quality Twin Socket Outlet Plates in white surface finish.	No.	204		
E1.02.03	20 Amp Fused Spur Switch (For Fire Alarm Panel)	No.	3		
E1.02.04	20A DP Switch with Neon Indicator in grey finish	No.	50		
E1.02.05	32A DP Switch with Neon Indicator in white finish (For Solar Booster Elements and Water Pumps)	No.	6		
E1.02.06	1 Gang 45 Amps cooker control unit with neon indicator c/w 45 Amp cooker socket outlet in white surface finish.	No.	18		
E1.02.07	Dual Voltage 115/230V Shaver Socket in polished chrome finish.	No.	48		
E1.02.08	Dual Outlet TV/SAT Diplexer Outlet in white/grey finish	No.	48		
E1.02.09	32 Amps Rated IP67 SPN Rotary Isolator Switch and Face Plate c/w 3 Pin (1P+N+E) Industrial Socket Outlet and Plug for Pumps & AC Outdoor Equipment plugging. (Installations shall refer to the provided Electrical Schematic).	No.	57		
	TOTAL CARRIED FORWARD				

ITEM	DESCRIPTION	UNIT.	QTY.	RATE.	AMOUNT in KSHS.
	TOTAL BROUGHT FORWARD				
E1.02.10	13 Amps <i>RING socket outlet points</i> , wired at an average distance of 5 metres point to point, in $3 \times 2.5\text{mm}^2$ <i>PVC insulated and sheathed single core copper cables</i> drawn in 20mm diameter heavy gauge PVC conduits concealed in walls and surface conduit installations within the ceiling void with all PVC conduit boxes and accessories but excluding the socket outlet face plates.	No.	300		
E1.02.11	<i>RADIAL Single Phase Isolator points</i> wired, at an average <i>approximate distance of 20 metres</i> , in $3 \times 4.0\text{mm}^2$ <i>PVC insulated and sheathed single core copper cables</i> , drawn in 32mm diameter heavy gauge PVC conduits concealed in walls/floor/ceiling void with all PVC conduit boxes and accessories but excluding the Isolator.	No.	57		
E1.02.12	<i>DP Switch RADIAL outlet points</i> , wired at an average <i>approximate distance of 25 metres</i> in $3 \times 2.5\text{mm}^2$ <i>PVC insulated and sheathed single core copper cables</i> drawn in 25mm diameter heavy gauge PVC conduits, concealed in walls/floor/ceiling void with all PVC conduit boxes and accessories but excluding the DP Switch.	No.	53		
E1.02.13	<i>DP Switch and Cooker Unit RADIAL outlet points</i> , wired at an average <i>approximate distance of 25 metres</i> in $3 \times 4.0\text{mm}^2$ <i>PVC insulated and sheathed single core copper cables</i> drawn in 25mm diameter heavy gauge PVC conduits, concealed in walls/floor/ceiling void with all PVC conduit boxes and accessories but excluding the DP Switch.	No.	24		
E1.02.14	<i>Fire Alarm System Points</i> in 25mm diameter heavy gauge PVC conduits concealed in walls and ceiling void, with all PVC conduit boxes and accessories, linking back to designated control/panel stations, but excluding all speakers, controllers and fittings.	No.	75		
E1.02.15	<i>Data System points</i> in 25mm diameter heavy gauge PVC conduits concealed in walls and ceiling void, with all PVC conduit boxes and accessories, linking back to designated data cabinet positions, and inclusive of draw wires and blanking plates but excluding all Data fittings/equipment.	No.	108		
E1.02.16	Flush wall mount <i>Adaptor Box, 200mm x 200mm x 50mm</i> , complete with cable entry knock outs and half thread bushes for interfacing electrical cable connections from floor to floor (Provisional).	No.	30		
	TOTAL CARRIED TO SUMMARY PAGE				

ITEM	DESCRIPTION	UNIT.	QTY.	RATE.	AMOUNT in KSHS.
	<u>LIGHTING SYSTEM INSTALLATIONS</u>				
E1.03.00	<p>Supply and deliver to site all materials, fittings and accessories. Install, connect-up complete to IEE Regulatory requirements and Electrical Codes of Practice, test and commission the installations. Include in the rates for Supply, installation and connecting complete all cables including all required conduits, supports, fixings, sleeves and accessories.</p> <p>The recommended light fittings and accessories manufacturers shall be brands that have been in the market for more than 10 Years. Any brands indicated here shall serve only as a quality reference.</p> <p>The final decision and approval of color temperatures shall be done on site. All light fittings shall be subject to approval by the Architect and Engineer.</p> <p>Special note shall be taken to ensure that:-</p> <p>i) Earth conductors are drawn and terminated to all lighting switch boxes</p> <p>ii) Lighting fittings to be supplied complete with lamps, fixings brackets and accessories.</p> <p>Supply and Install the following:</p> <p><u>Conduits and Wiring</u></p>				
E1.03.01	Lighting system points wired in 3 x 1.5mm ² PVC insulated and sheathed single core copper cables, drawn in 20mm diameter heavy gauge PVC conduits concealed in walls/within the ceiling voids, with links to the raw power consumer unit inclusive of all PVC conduit boxes and accessories but excluding switch and light fittings.	No.	346		
	<u>Light Fittings and Accessories</u>				
E1.03.02	Allow a SUM of KES 10,000 for the guest room decorative ceiling fitting	No.	48		
E1.03.03	Ball Fitting for guest washrooms c/w 7W LED Frosted Bulb	No.	48		
E1.03.04	12W 280mm diameter 3000K Crown Ceiling Light fitting (See Light Green Code No. LG-PRL12W-3K for reference) - For Internal Corridors and Kitchen	No.	36		
E1.03.05	ditto but in Mushroom Type and 6000K Color Temperature - For Stairway	No.	9		
E1.03.06	8W 180mm diameter 3000K Ceiling Light fitting (See Light Green Code No. LG-PRL8W-3K for reference) - For Balconies + Under Stairs	No.	39		
E1.03.07	Decorative IP65 rated LED outdoor wall mounted security light fitting in black anodized finish	No.	18		
E1.03.08	50W flood light fitting	No.	4		
	TOTAL CARRIED TO SUMMARY PAGE				

ITEM	DESCRIPTION	UNIT.	QTY.	RATE.	AMOUNT in KSHS.
	LIGHTING SYSTEM INSTALLATIONS continued...				
	TOTAL BROUGHT FORWARD				
E1.03.09	Bathroom Mirror Light in white finish	No.	48		
E1.03.10	IP66 rated in wall 3W LED Step Lights (For use as guest room night lights)	No.	96		
	Switches and Controls:				
E1.03.29	Premium quality 2 Gang 2 Way Switch in <i>white surface finish</i> .	No.	108		
E1.03.30	Premium quality 1 Gang 2 Way Switch in <i>white surface finish</i> .	No.	36		
E1.03.31	Premium quality 1 Gang 1 Way Switch in <i>white surface finish</i> .	No.	126		
	TOTAL CARRIED TO SUMMARY PAGE				

ITEM	DESCRIPTION	UNIT.	QTY.	RATE.	AMOUNT in KSHS.
	<p><u>FIRE ALARM SYSTEM INSTALLATIONS</u></p> <p>E1.04.00 <i>Supply and deliver on site materials, equipment and accessories complete. Install, connect -up complete IEE Regulatory requirements and Electrical codes of Practice and commission the installation. Include in the rates for supply of all materials and connect- up complete in FIRE TUFF cables including all conduits, supports, fixings, sleeves and accessories required for fire alarm and detection system all linked to the Fire Alarm Panel. Allow for testing and commissioning of the complete fire alarm system installations and include for any other item not specifically detailed but required for the satisfactory installation and operation of the system.</i></p> <p>E1.04.01 Conventional Fire Alarm Control Panel complete with 72 Hour standby battery with integral charger and mains input of 240V A/C and 24V DC operating voltage. The panel shall support a minimum of 40 devices and 2 Zones.</p> <p>E1.04.02 Smoke detector points wired in 1.5mm² FIRE TUFF single core copper cables drawn in 25mm diameter heavy gauge conduits concealed in walls and surface conduits installations within the ceiling void with PVC conduits boxes and accessories with links to the ground floor fire alarm panel and excluding break glass - wiring to be done in accordance with zoning requirements.</p> <p>E1.04.03 Ditto but for Manual Call Points.</p> <p>E1.04.04 Fire alarm Sounder points wired in 2.5 mm² FIRE TUFF single core copper cables ditto.</p> <p>E1.04.05 Conventional fire alarm manual call point as MENVIER MBG914 accessorized with mounting Bezels for MBG Call points as MBGBEZ and MBGHinged Cover as MBGHCC.</p> <p>E1.04.06 Conventional fire alarm Sounder/Beacon with shallow base-Red as MENVIER MCD524/SB.</p> <p>E1.04.07 Conventional Photo-thermal Smoke detector complete with base as MENVIER MPT951.</p> <p>E1.04.05 Allow a sum for integration of the newly installed fire alarm system into the existing institution's fire alarm system, configuration and for testing and commissioning of the fire alarm system.</p>				
	TOTAL CARRIED TO SUMMARY PAGE				

ITEM	DESCRIPTION	UNIT.	QTY.	RATE in KShs.	AMOUNT in KShs.
	<u>STREET/EXTERNAL LIGHTING AND LIGHTNING SYSTEM INSTALLATIONS</u>				
E1.05.00	<i>Supply and deliver to site materials, fittings and accessories, install, connect-up complete to IEC Regulatory requirements and Electrical Codes of Practice, test and commission the installation. Include in the rates for Supply, installation and connecting-up all cables including all required conduits, supports, fixings, sleeves and accessories for lighting point. Cabling materials and lighting fittings manufacture shall be fully compliant to ISO/IEC/IEEE requirements and approved.</i> <i>The light fittings, lighting controls and accessories manufacturers MUST be brands with more than 10 Years in the lighting market. The brand(s) specified for any fitting in this document should be understood to serve only as a quality reference guide. All LED fittings MUST have a minimum warranty of 2 Years and a guarantee of at least 30,000 hours. Light fittings shall be supplied inclusive of all accessories and lamps, and shall be subject to review and approval by the engineer.</i>				
	Supply, Install, Test and Commission the following:				
E1.05.01	3 Core 10 sq.mm XLPE/SWA copper cable , inclusive of all cable lugs, glands and shrouds, laid in 38mm diameter heavy gauge PVC duct in ground from the nearest LV Distribution Board to the Road Lighting Pillar (Provisional)	Lm	20		
E1.05.02	Pole Points wired in 3 Core x 10 sq.mm XLPE/SWA insulated copper cable , drawn in 32mm diameter heavy gauge PVC conduits concealed in ground, complete with cable glands and lugs, with links to the Road Lighting Pillar (Provisional)	Lm	100		
E1.05.03	5M Q235 Mild Steel, Hot Dip Galvanized, powder coated Single Arm Street Light Pole complete with appropriately sized base plates and foundation bolts. Include in the rates for a loop in-loop out box/adaptor box complete with knock-outs, connectors and fuse, and the construction of a concrete base with provision for maintenance access for each street light pole.	No.	4		
E1.05.04	IP66 99W LED Flood Lamp /Light fitting for the Street Light Poles as "Italo" Street Ref No. IT2-SO5-4.7-5M1F or a variant of similar design and quality.	No.	4		
E1.05.05	IP66 rated Lockable Standard Feeder/Control pillar complete with DIN rail to house street lighting control gear.	No.	1		
E1.05.06	Street Lighting Photocell with a 1000W LED capacity. See "Lucy Zodion" SS5 Series Street Lighting Photocell (SS5DR/HD).	No.	1		
	TOTAL CARRIED FORWARD				

ITEM	DESCRIPTION	UNIT.	QTY.	RATE.	AMOUNT in KSHS.
	TOTAL BROUGHT FORWARD				
E1.05.07	PME earthing on every third street light pole comprising 25mm Diameter x 1500mm Long Steel core copper clad earth electrode, 6 sq. mm earth lead, earth clamp and complete with all accessories.	Item	2		
E1.05.08	20A SP/N Contactor	No.	1		
E1.05.09	2.5 sq.mm 3 Core PVC/PVC insulated copper cable from photocell to 20A SP/N contactor	Lm	10		
E1.05.10	2.5 sq.mm 3 Core PVC/PVC insulated copper cable from Pole Connectors to Lamps	Lm	20		
E1.05.11	20A MCBs in Control/Feeder Pillars	No.	2		
E1.05.12	2-Pole Single Phase 12.5kA SPD for protection of the Control Pillar Circuits.	No.	1		
E1.05.13	Allow a rate for trenching and backfilling, and the provision of "HATARI" labelled tiles	Lm	100		
	<u>Lightning Arresting System</u>				
E1.05.14	25mm x 2mm copper conductor tape as 'FURSE' Cat. No.TAO30 OR Equivalent, complete with copper saddles, fixings, etc. 38mm pvc conduit drop to earth rods at ground level.	Lm	45		
E1.05.15	Lightning arrestors with 1300mm x 20mm diameter rod complete with 800mm long multiple point top as FURSE' Cat. No. RA555/RA610 OR Equivalent.	No.	3		
E1.05.16	Flat saddles for supporting 20mm diameter lighting arrestors as 'FURSE' Cat. No. SD130 OR Equivalent	No.	6		
E1.05.17	16mm diameter x 1200mm long stainless steel core copper earth rod on 'FURSE' Cat. No. RS005.	No.	3		
E1.05.18	Screw down type test clamps, suitable for 25mm tape as FURSE' Cat. No. CT305 OR Equivalent.	No.	3		
E1.05.19	70mm ² SC PVC/SWA/PVC copper (Cu) cable for earthing interlink to all lightning protection earth drop points around the buildings.	Lm	40		
E1.05.20	Allow for testing the complete lightning protection system as per the specification including any additional material required.	Item	1		
	TOTAL CARRIED TO SUMMARY PAGE				

KESRA MOMBASA GUEST APARTMENTS - ELECTRICAL AND FIRE ALARM INSTALLATIONS - SUMMARY PAGE

ITEM	DESCRIPTION	AMOUNT (IN KSHS)
P.00	GENERAL ITEMS	
E1.01.00	ELECTRICAL DISTRIBUTION SYSTEM INSTALLATIONS	
E1.02.00	POWER POINTS WIRING AND INSTALLATIONS	
E1.03.00	LIGHTING SYSTEM INSTALLATIONS	
E1.04.00	FIRE ALARM SYSTEM INSTALLATIONS	
E1.05.00	STREET/EXTERNAL LIGHTING AND LIGHTNING SYSTEM INSTALLATIONS	
	TOTAL FOR ELECTRICAL & FIRE ALARM SERVICES INSTALLATIONS CARRIED TO MAIN COLLECTION PAGE	

HVAC INSTALLATIONS

BILLS of QUANTITIES FOR SPLIT SYSTEM INSTALLATIONS FOR KESRA

(ALL RATES TO BE INCLUSIVE OF 16% V.A.T AS APPLICABLE).

ITEM.	DESCRIPTION.	UNIT.	QTY.	RATE IN KSH	AMOUNT IN KSH
<p>P.00</p> <p>A</p> <p>B</p>	<p><u>GENERAL ITEMS</u></p> <p>Allow for the preparation of 'Shop' drawings in A1 size print to be displayed for the entirety of the project works.</p> <p>Allow for the preparation of all "As Built" Drawings and handover documentation including manuals, warranties and test results compilation. The tests shall be carried out as per the schedules attached with this bills of quantities document. All documents shall be submitted in triplicate hard copies, bound. Soft copies shall be presented in a CD ROM. All drawings shall be at 1:50 scale.</p>	<p>Sum</p> <p>Sum</p>	<p>1</p> <p>1</p>		
TOTAL CARRIED TO MAIN SUMMARY PAGE.					

HVAC INSTALLATIONS

BILLS of QUANTITIES FOR SPLIT SYSTEM INSTALLATIONS FOR KESRA

(ALL RATES TO BE INCLUSIVE OF 16% V.A.T AS APPLICABLE).

ITEM.	DESCRIPTION.	UNIT.	QTY.	RATE IN KSH	AMOUNT IN KSH
A	<u>SINGLE SPLIT AIR CONDITIONING SYSTEM INSTALLATIONS</u>				
	<i>Supply, deliver to the project site and install, test and commission the complete equipment including for all control panels inclusive of phase failure relays, under and over voltage protection devices, sensors, switches, remote control accessories, fittings, fixings, thermometers, thermostats, gauges, time controls, automatic valves, anti-vibration mounting and insulation and power connection to DP switches / Isolators provided by others (to within 1m from the equipment), Include for all or any item not specifically detailed but required for the satisfactory completion of the installation and operation of the systems to the manufacturers specifications. Preferred equipment models:- LG or a brand of equal/better quality subject to approval from the engineers..</i>				
AC.01.00					
AC.01.01	Single split inverter type air conditioning High Wall Unit of Nominal Cooling Capacity 2.8KW (9,500 Btu/Hr.) including indoor & outdoor equipment. The unit shall be treated against rust and corrosion and prepared for installation in tropical regions and all supplied inclusive of wired remote controller, equipment fixings and fittings and mounting bracket kits with anti-vibration dampers. Allow in the rates for U-Trap and drain connection to a drain line (done by others) and power connection (provided by others within one metre).	No	54		
	<u>Refrigerant Pipe Work</u> Supply and install refrigerant copper pipe work for the Single Split A.C system, size 6.35mm & 9.52mm (as listed below), complete with 25mm thick "K-Flex" insulation for gas/liquid line including but not limited to; all necessary copper pipe fittings and accessories, distributors, header and branch, connection kits, hangers and fixings and all required accessories.				
AC.01.02					
a	6.35mm diameter.	Lm.	432		
b	9.52mm diameter.	Lm.	432		
AC.01.03	Supply of Single Phase Monitor / Voltage Surge Protection Device for Outdoor units. Include in the rates for equipment connection to power points (Supplied by the electrician) within a distance of 1 metre.	No.	54		
AC.01.04	Recirculatory Hood for Kitchens as "ARISTON".	No.	18		
TOTAL CARRIED TO SUMMARY PAGE					

HVAC INSTALLATIONS

BILLS of QUANTITIES FOR SPLIT SYSTEM INSTALLATIONS FOR KESRA

(ALL RATES TO BE INCLUSIVE OF 16% V.A.T AS APPLICABLE).

ITEM.	DESCRIPTION.	UNIT.	QTY.	RATE IN KSH	AMOUNT IN KSH
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HVAC INSTALLATIONS - SUMMARY PAGE

P.00	GENERAL ITEMS	
A	SINGLE SPLIT AIR CONDITIONING SYSTEM INSTALLATIONS	
	TOTAL FOR AIR CONDITIONING INSTALLATIONS C/F TO MAIN COLLECTION PAGE	

PROPOSED CONVERSION OF APARTMENTS INTO HOTEL ROOMS AT KESRA SCHOOL MOMBASA

FOR KENYA REVENUE AUTHORITY

GRAND SUMMARY

ITEM	DESCRIPTION	TENDERER'S AMOUNT KSHS	OFFICIAL USE ONLY KSHS
1	Preambles & Pricing Notes		
2	Bill No. 1 - Particular Preliminaries	-	
3	Bill No. 2 - General Preliminaries	-	
4	Bill No. 3 - Block A Hotel Rooms	-	
5	Bill No. 4 - Block B Hotel Rooms	-	
6	Bill No. 5 - Block C Hotel Rooms	-	
7	Bill No. 6 - External Works		
8	Bill No. 7 - Plumbing & Drainage & Sanitary Ware Installations		
9	Bill No. 8 - Electrical & Fire Alarm Services Installations		
10	Bill No. 9 - Air Conditioning Installations		
Sub- Total Amount			
11	Provide Kenya Shillings Two Million Five Hundred Thousand Only (Kshs 2,500,000.00) for Contingencies		
Total Carried to Form of Tender			

Amount in words:.....

.....

Tenderer's Name:.....

Address:.....

Signature:.....

Rubber stamp:.....

Date:.....

Witness's name:.....

Signature:.....

Address:.....

Date:.....