

TENDER BILL OF QUANTITIES

LOT NO. 1

**Proposed Renovation Works and
Fire Escape Staircase at Ushuru
Pension Towers for Kenya Revenue
Authority Staff Pension Scheme
(Main Works)**

BILL NO. 1
PRELIMINARIES

ITEM	DESCRIPTION	AMOUNT
A	<p><u>BILL NO. 1</u></p> <p><u>PARTICULAR PRELIMINARIES</u></p> <p><u>PARTIES</u></p> <p>The Employer is: KENYA REVENUE AUTHORITY STAFF PENSION SCHEME PO BOX 48240 -00100 NAIROBI, KENYA</p> <p>The Architect is: HABITECH CONSULTANTS P.O BOX 66495-00800 NAIROBI, KENYA</p> <p>The Quantity Surveyors is: AMAZON CONSULTANTS LTD P.O. BOX 1756 - 00100 NAIROBI, KENYA</p> <p>The Structural/ Civil Engineers is: EPOCH CONSULTING ENGINEERS P.O BOX 75193-00200 NAIROBI, KENYA</p> <p>The Electrical / Mechanical Engineers is: EMPAQ LTD P.O BOX 68140-00200 NAIROBI, KENYA</p>	

ITEM	DESCRIPTION	AMOUNT
<p>A</p>	<p><u>LOCATION OF SITE</u></p> <p>The site for the proposed works is in Ushuru Towers, Elgon Road, Upper Hill, Nairobi, Kenya</p> <p>The Contractor shall be deemed to have visited the site and satisfied himself as to:-</p> <p>a) The nature, position, topography and access of the site b) The amount of the rubbish or debris to be cleared away before commencement. c) The nature, current usage, proximity and size of adjoining property and buildings d) The availability of land for the erection and positioning of all temporary structures, plant and materials necessary for the execution of the works.</p> <p>The Contractor shall obtain approval from the relevant Local Authority in adherence to site access and erection of temporary structures and must ensure all matters relating to the requirements of these authorities.</p> <p>No claim will be allowed for travelling or other expenses which may be incurred by the Contractor in visiting the site or preparing the tender for the works.</p>	
<p>B</p>	<p><u>EXISTING SITE CONDITIONS</u></p> <p>The site for the proposed works is in an existing/active commercial/office building</p>	
<p>C</p>	<p><u>SCOPE OF CONTRACT AND DESCRIPTION OF THE WORKS</u></p> <p>The works under this contract comprises of ;-</p> <p>i. Renovation works;- Demolitions, scrapping off paint, replastering and repainting</p> <p>ii. Alumium windows - replacing and reanchoring</p> <p>iii. Fire escape staircase (structure and finishes)</p> <p>iv. Electromechanical works.</p> <p>All mechanical / electrical services and other specialist works associated with the above works shall be executed by domestic/nominated sub contractors approved by the Architect</p> <p>Please note that the building is currently being used by Kenya Revenue Authority and operations will continue during construction.</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
	<p><u>CONTRACT PARTICULARS</u></p> <p>A <u>FORM OF CONTRACT</u></p> <p>The Contractor will be required to enter into a contract with the Employer under the Terms and Conditions of Contract as "Standard Tender Document for Procurement of Works (Building and Associated Civil Engineering Works) Issued by the Public Procurement Regulatory Authority in February 2021 (updated 2022) and in association with the latest applicable version of the Public Procurement and Asset Disposal Act.</p> <p>The Contractor's attention is called to the appendix of the conditions of Contract and additions and amendments thereto, which shall be read as incorporated herein and he shall allow any sums which he considers necessary for the observance of such conditions, together with sub clauses used in application.</p> <p>The priority of such documents shall be as stated in the conditions of agreement.</p> <p><u>CONTRACTOR'S BOND</u></p> <p>B The Contractor shall find and submit on the Form of Tender the name of one Surety who shall be from a reputable financial institution or insurance company approved by Public Procurement Regulatory Authority (PPRA), who will be willing to be bound to the Employer in an amount equal to the percentage specified in the Special Conditions of Contract of the Contract amount specified herein for the due performance of the Contract up to the date of practical completion as certified by the Architect and who will, when and if called upon, sign a bond to that effect on the Contract Agreement (without the addition of any limitations) on the same day as the Contract Agreement is signed.</p> <p>No additional costs shall be entertained for a performance bond that deviates from the FORM OF PERFORMANCE BOND BY THE CONTRACTOR as spelt out in the Agreement and Conditions of Contract for Building Works.</p> <p>In the event of the Surety named in the Form of Tender not being approved by the Employer, the Contractor shall furnish within seven days another Surety to the approval of the Employer.</p> <p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>INSURANCE AGAINST INJURY TO PERSONS AND PROPERTY</u></p> <p>The Contractor shall take out insurance in accordance with Condition 12 of the Agreement and to the Employer's approval and shall provide the Employer with a copy of such insurances for their approval and record.</p> <p>Insurance against injury to persons and property</p> <p>In addition to the conditions of the contract and the requirement contained herein the contractor's all risk policy shall cover the full value of the following and allow for all costs thereof:-</p> <ul style="list-style-type: none"> i) The works and temporary works erected in performance of this contract. ii) The materials, plant and tools on site iii) The cost and expense of removing debris of the property insured, destroyed or damaged by any peril insured. iv) Professional fees (to be allowed at 15% of the contract sum) V) Employer's liability (workman's compensation) ii) Third party (Public liability for an indemnity of not less than Kshs. 5,000,000 for any accident or series of accidents arising from the same event (unlimited in aggregate) <p>Should the contractor already hold annual insurances covering the whole of his activities, and the indemnity required under the existing policy/is then further insurances shall be effected and maintained to cover such excess, the policies of insurances being suitably endorsed to cover this project</p>	
B	<p><u>Insurance of the works (contractors liability)</u></p> <p>The Contractor shall insure as required in the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the Project Architect either by production of an Insurance Policy or and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects.</p> <p>Thereafter the Project Architect shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the Project Architect's inspection.</p> <p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
	<p><u>PROJECT SUPERVISION</u></p> <p>A The said works shall be executed under the direction and to the entire satisfaction of the Project Architect and Clerk of works who shall have the Project Architect's specifically delegated authority and shall at all times have access to the works, to the yards and workshops of the contractor or other places where goods are being prepared for the building.</p> <p>B <u>DOWNTAKINGS</u></p> <p>All materials arising from demolitions and dountakings are deemed to be the property of the employer. No claim will be entertained on account of employer excising this right to retain the materials</p> <p>All dountakings shall be carefully removed, taken down, dismantled and stored on site (at the roof top or any other area as directed by the architected within the site) until instructed by the Architect to remove from the site. Such materials shall only be incorporated in the new works if required by the Architect in which case appropriate adjustments will be made in the final account for the cost of labour, screws etc for fixing such dountakings in the new works.</p> <p>The contractor will be required to prepare a temporary storage for the dountakings</p> <p>C <u>DAMAGES</u></p> <p>Damages for delay in completion shall be levied at the rate specified in the Special Conditions of Contract.</p> <p><u>LABOUR CAMPS</u></p> <p>D The contractor will generally not be permitted to house labour on site</p> <p><u>OTHER PRELIMINARIES</u></p> <p>E Allow for any other item necessary to execute the works and state them below;</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
	<u>BILL NO. 1</u>	
	<u>PARTICULAR PRELIMINARIES</u>	
	<u>COLLECTION</u>	
	Carried from page 1/2	
	Carried from page 1/3	
	Carried from page 1/4	
	Carried from page 1/5	
	Particular Preliminaries Carried to Summary of Bill No. 1	

ITEM	DESCRIPTION	AMOUNT
	<p><u>BILL NO. 1</u></p> <p><u>GENERAL PRELIMINARIES</u></p> <p>A <u>PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES</u></p> <p>Whenever in the Contractor's priced Bills of Quantities no price appears against an item of Preliminaries or Preambles or work items , the value of such item shall be deemed to be included in his prices for other items in the Bills of Quantities.</p> <p>B <u>SUFFICIENCY OF TENDER</u></p> <p>The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices stated in the priced Bills of Quantities. Rates and prices quoted shall cover all his obligations under the contract and all the matters and maintenance of the works</p> <p>C <u>RECORDS</u></p> <p>The Contractor shall ensure proper records are kept and maintained for : Daily Reports on Personnel and Machinery; tracked programme; weather charts/reports; site instruction book and query book,a digital camera shall be provided for taking progress photos</p> <p>The contractor shall be required to provide equipment for taking ground and aerial photos or videos in relation to the progress of works when called upon to do so.</p> <p>D <u>DEFINITIONS AND ABBREVIATIONS</u></p> <p>Throughout these Bills, units of measurements and terms are abbreviated and shall be interpreted as follows:</p> <p>mm shall mean millimeter</p> <p>lm shall mean linear meter</p> <p>sm shall mean square meter</p> <p>m² shall mean square meter</p> <p>cm shall mean cubic meter</p> <p>kg shall mean kilogramme</p> <p>N shall mean Newton</p> <p>KN shall mean KiloNewton</p> <p>in/" shall mean inches</p> <p>L f shall mean linear foot</p> <p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
	<p>s f shall mean square foot</p> <p>c f shall mean cubic foot</p> <p>L b shall mean pound avoirdupois</p> <p>No. shall mean number</p> <p>B.S. shall mean the current British Standard Specification published by the British Standard Institution, 2 Park Street, LONDON W.1, England.</p> <p>B.S.M shall mean both sides measured</p> <p>K.S. shall mean current Kenya Standard specification published by the Kenya Bureau of Standard, P.O. Box 54974. NAIROBI, Kenya.</p> <p>'As described' shall mean as described in these Bills of Quantities.</p> <p>'As before described' shall mean the whole of the previous description except as qualified in the current one.</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
B	<p><u>SETTING OUT</u></p> <p>The contractor shall set out works in accordance with the dimensions and levels shown on the drawings and shall be responsible for the correctness of all dimensions and levels set out by him and he will be required to amend all errors arising from inaccurate setting out at his own cost and expenses. In the event of any error or discrepancy in the dimensions or levels marked on the drawings being discovered, such errors or discrepancies must be reported by the Contractor to the Architect for his immediate attention.</p> <p>No work shall be commenced by the Contractor until he has received written instructions from the Architect to adjust such discrepancies which may be proved, upon receipt of such instructions and no claim for extra expenses or relief from the provisions of Clause 21 of the Conditions of the Contract , any discrepancy or error in the dimensions or levels shown on the drawings may be made thereafter.</p> <p>The Contractor shall give the Architect reasonable notice of the intention to set out or take levels for any part of the Works so that arrangements may be made for checking the work. The accuracy of setting out and leveling shall be within the tolerances specified in the Specifications or on the Drawings. The checking of setting out or leveling by the Architect shall not relieve the Contractor of his duties or responsibilities under the Contract.</p>	
C	<p><u>MEASUREMENTS</u></p> <p>Measurements are based on Standard Methods of Measurement of Building Works and Associated Civil Works For Eastern Africa (SMM) Second Edition 2008.</p> <p>In the event of any discrepancies arising between the Bills of Quantities and the actual works, the site measurements shall generally take precedence.</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
<p>A</p>	<p><u>SAMPLES</u></p> <p>The contractor shall furnish at the earliest possible opportunity before work commences and at his own cost any samples of materials or workmanship that may be called for by the Architect for his approval or rejection until such samples are approved to be the acceptable standard for the work to which they apply.</p> <p>The samples shall be maintained and displayed on a designated section within the site for the duration of the project where practical and possible.</p>	
<p>B</p>	<p><u>EXISTING PROPERTY</u></p> <p>The contractor shall take every precaution to avoid damage to all existing property including boundary wall, carpark, roads, cables, drains, staircases, lift etc including other services and he will be held responsible for all damages hereto arising from the execution of his contract and he shall make good all such damages when directed at his own expense.</p> <p>Any damage or disturbances caused to any element shall be reported immediately to the Architect and the relevant Authority and shall be made good to their satisfaction at the Contractor's expense.</p>	
<p>C</p>	<p><u>EXISTING SERVICES</u></p> <p>Prior to commencement of any work the Contractor is to ascertain from the relevant Authorities the exact position, depth and level of all existing electric cables, water pipes and all other services in the area and he shall make whatever provisions may be required by the authorities concerned for the support and protection and/or relocation of such services as will be necessitated.</p> <p>The contractor is also expected to generate a utility management plan to the approval of the Architect .</p> <p>Any damage or disturbances caused to any service shall be reported immediately to the Architect and the relevant Authority and shall be made good to their satisfaction at the Contractor's expense.</p> <p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>MATERIALS, TOOLS, PLANT AND SCAFFOLDINGS</u></p> <p>All materials and workmanship used in the execution of the works shall be of the best quality and description. Any materials for the works condemned by the Architect shall immediately be removed from the site at the Contractor's expense.</p> <p>The Contractor shall be responsible for the provision of all materials, scaffolding, tools, plant, transport and workmen required for the works except in so far as may be stated otherwise herein and he shall allow for the provision of the foregoing except for such items specifically and only required for the use of Nominated Sub-contractors as described herein.</p> <p>No timber used for scaffolding, formwork or similar purpose shall be used afterwards in the permanent works.</p> <p>All such plant, tools and scaffolding shall comply with all regulations whether general or local in force including Environmental, Social, Health and Safety (ESHS) policies throughout the period of the contract and shall be required as may be necessary to comply with any amendments in or additions to such regulations</p> <p>The Contractor shall keep on the site and maintain in good condition one dumpy or quickset level, metric leveling staff and one 30 metre steel tape for the use of the Architect, Surveyor and Engineer.</p> <p>The contractor may be required to provide an appropriate tower crane as required during the project life. Where a crane is provided, it should meet all regulatory and technical standards, all licences in connection with erection, usage shall be at the Contractors expense.</p> <p>The contractor may be required to provide an appropriate tower crane as required during the project life. Where a crane is provided, it should meet all regulatory and technical standards, all licences in connection with erection, usage shall be at the contractors expense.</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>LOCAL REGULATIONS AND BY-LAWS</u></p> <p>The contractor is to comply with all local regulations and by-laws of the Local Authority including serving notices and paying of fees where applicable. These include, but not limited to: National Environmental Management Authority (NEMA), National Construction Authority (NCA), Water Resources Management Authority (WARMA)</p> <p>In addition to complying with the Factories Act (Cap 514) and the Factories Amendment Act (1990), the contractor shall comply in all aspects with the above mentioned rules.</p> <p>The Contractor will be held responsible for serving on the Chief Inspector of Factories a written notice not later than seven days after the beginning of the building operations included in this contract stating the particulars required.</p> <p>The above rules are published in the Legal Notice 1179 of June 11 1978 and Kenya Gazette supplement No. 18 (Legislative Supplement No. 13) dated 5th April 1984 respectively</p>	
	<p><u>B TRANSPORT TO AND FROM THE SITE</u></p> <p>The Contractor shall include in his prices for the transport of materials, workmen etc to and from the site of the proposed works at such hours and by such routes as are permitted by the Authorities.</p> <p>All unit rates for local or imported goods are to include freight, insurance, handling and delivery costs to the project site together with import duties, sale tax, port charges etc and all other charges of whatever nature.</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>OCUPATIONAL HEALTH AND SAFETY MEASURES</u></p> <p>The Architect expects the Contractor to adhere to strict safety measures. In this regard the Contractor should ensure that all his workers, the Consultants and his sub-Contractors workmen are wearing Personal Protective Equipment (PPE) before commencement of any work where applicable including overalls with the company name clearly printed on the back each with clearly marked Identification Numbers stitched or imprinted on.</p> <p>The Contractor shall allow for providing all watching, lighting, barriers, signs, covering open trenches and protection of the works, including Sub-Contract works, as may be necessary for the safety of the works and for the protection of the public and his own and Sub-Contractors' employees.</p> <p>He shall also ensure provision of a certified and qualified safety, health and environmental officer, access to ambulance services at all worksites and arrangement to access a local hospital/dispensary with qualified medical staff.</p> <p>The site shall also be registered with DOSHS</p> <p>The Project Manager shall expect full compliance to this regulation and no excuses will be entertained for non-compliance which may lead to suspension of works until the issue is addressed satisfactorily.</p>	
B	<p><u>PUBLIC, PRIVATE ROADS AND PAVEMENTS ETC</u></p> <p>The contractor will be required to make good at his own expense any damages he may cause to the present approach and surrounding road surfaces during the period of the works</p>	
C	<p><u>POLICE REGULATIONS</u></p> <p>The contractor is to allow for complying with all Government Acts, orders or regulations in connection with employment of labour and other matters related to the execution of the works.</p> <p>The Contractor must acquit himself duly with current acts and regulations, including police regulations regarding the movement, housing, security and control of labour, labour camps, passes for transport, etc..</p> <p>Particular attention is drawn to the rules published in Legal Notice 179 dated 2nd June 1978 (Building Operations and Work of Engineering Construction)</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>AREA TO BE OCCUPIED BY CONTRACTOR</u></p> <p>The area of the site which may be occupied by the Contractor for use as storage and for the purpose of erecting workshops etc shall be defined on the site by the Architect</p>	
B	<p><u>PROGRESS SCHEDULE</u></p> <p>Immediately after signing the contract the Contractor is to prepare a Time Progress Chart showing the time and order in which he proposes to carry out the works within the total construction time stated in the contract. The chart will show in detail the construction time and order in which each section of the work is to be carried out and be sub-divided into trades and tasks. If the contractor proposes sectional completion of the project he must plan this in detail including access roads, and services and this shall be reflected on the chart</p> <p>Upon the letting of the Sub-Contractors work the Contractor is to incorporate times and details of each separate Sub-Contractor work which information is to be agreed by the Sub-Contractor and the chart will be so designed to accommodate this infantine.</p> <p>At the end of each week the Contractor is to mark on the chart in a different colour the actual time taken to complete the respective stages and sections of the work. The contractor shall obtain the Architect's approval on the chart and then shall supply copies to the Architect and Quantity Surveyor</p> <p>If at any time it should appear to the Architect that the actual progress of the works does not conform to the approved programme progress schedule the Contractor shall produce at the request of the Architect a revised programme showing the modifications and accelerations to the approved programme necessary to ensure completion of the works within the agreed contract period.</p> <p>The submission of and approval by the Architect of such revisions and accelerations shall not entitle the Contractor to any extra payment or extension of time and shall not relieve the Contractor of any duties or obligations or responsibilities under the contract</p> <p>The Contractor shall submit program of works failure to which no payment shall be made</p> <p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>OVERTIME</u></p> <p>The Contractor shall be responsible for any extra costs for overtime working he considers will be necessary in order to complete the works within the contract period or time for completion apart from overtime working which may be authorised by the Architect</p> <p>If overtime is worked out in accordance with a written instruction issued by the Architect the contractor will be reimbursed in respect of such overtime to the unproductive time payable over and above the basic hourly rates as laid down by the Regulation of wages and Conditions of employment Act, Building and Construction Industry Wages Council and excluding any bonuses, profits and overheads.</p>	
B	<p><u>WATER</u></p> <p>The contractor shall provide at his own risk and cost all water for use in connection with the works including the work of sub-contractors make arrangements with the local authority for the installation of a separate meter where applicable and possible for all water used by him throughout the contract and pay all costs and fees in connection therewith. He shall also provide temporary storage tanks and tubing etc as he may consider necessary and clear away at completion.</p> <p>The contractor is to provide clean drinking water at the construction site for his workers at all times.</p> <p>All water shall be fresh, clean and pure, free from earthly vegetable or organic matter, acid or alkaline substance in solution or suspension.</p>	
C	<p><u>TELEPHONE AND CONNECTIVITY</u></p> <p>The contractor shall provide in the office, from the commencement to the completion of the works, a wireless or mobile phone and shall pay all data charges or airtime necessary for its use</p>	
D	<p><u>LIGHTING AND POWER</u></p> <p>The contractor shall provide at his own risk and cost all temporary artificial lighting and power for use on the works including all sub-contractors and specialists requirements and including all temporary connections, wiring, fittings etc and clearing away on completion. The Contractor shall pay all fees and obtain all permits in connection therewith.</p>	
	<p>Carried to Collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>TESTING</u></p> <p>Allow for all expenses in connection with the testing of materials as specified hereunder including the supply and preparation of materials to be tested, the cost of materials and their packing and conveyance to the nearest approved Testing Laboratory, laboratory charges, etc. The following items of tests will be measured according to the number of tests actually called for by the Architect but unsuccessful tests will not be included in the remeasurement.</p> <p>Allow for executing the following tests as detailed in the Appendices to these Bills of Quantities (PROVISIONAL)) Water Test(litres) Sand Test(m3) Aggregate Test(m3)</p> <p>Reinforcement test (1m of mild steel rod or high tensile steel bar of various sizes)</p> <p>Concrete Test (each test comprising three cubes as described hereinafter)</p> <p>Strength and consistency of welding</p> <p>Testing of concrete or stone blocks of various strengths in accordance with Kenya Standard Specification (one test comprising six blocks).....</p>	
B	<p><u>PRICING RATES</u></p> <p>The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>TEMPORARY STRUCTURES</u></p> <p>a) The Contractor shall allow for providing and clearing away on completion of the works such temporary hoarding , rubbish chutes, gates, planked walkways, guard rails etc. as may be necessary for the protection of the workers, the general public, and for the proper execution of the works.</p> <p>b) As such, temporary structures shall be constructed with the approval of the Architect and to his full satisfaction and in such a manner as to cause minimum intrusiveness and disturbance to occupants of adjacent developments and users of the adjacent roads.</p> <p>c) All such temporary structures shall comply in all aspects with the national laws, rules, and regulations currently in force and applicable to such structures.</p> <p>d) All temporary structures shall be erected in a manner so that the unloading of materials causes minimum obstruction to the use of adjacent roads and other facilities</p> <p>e) All temporary structures shall be kept properly lighted throughout the periods of darkness and any corners or projections shall be painted white.</p> <p>g) Temporary structures shall not be used or permitted to be used for advertisement purposes except with the written consent of the Project Manager</p> <p>h) All temporary structures shall be maintained at all times in good order and good condition to the satisfaction of the Project Manager.</p> <p>i) All temporary structures shall be removed when so required by the Project Manager or at the end of the period for which it is required.</p> <p>j) The Contractor shall indemnify and shall keep the employer idemnified against any expenses, loss, claim or suits arising out of or in connection with the temporary structures.</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>SITE OFFICE</u></p> <p>The contractor shall supply, maintain, service, clean and light a fully furnished, suitable office having an approximate floor area of not less than 50 sqm. . The office shall have a sample room suitable dimensions with clean running water and electricity connected to the approval of the Architect.</p> <p>The Contractor shall provide offices, messrooms and all other buildings required by the Contractor for his own use and the use of by Clerk of Works and Nominated SubContractors as required by the items or attendance</p> <p>The site office shall be equipped with a table and chairs of sufficient size and number for site meetings and plan chests for drawings shall also be provided by the contractor</p>	
B	<p><u>EQUIPMENT</u></p> <p>The Contractor shall provide the following equipment for ease of project supervision, and presentations during site meetings;-</p> <p>a) HP Omen laptop with the following specification; 15-DH1065CL(3E915UA) processor; 17-10750H-2.6GHZ, 16GB RAM, ITB HDD+512GB SSD , 15.6" FHD, Camera,BT, WIFI, WIN10 PRO, 6GB NVIDIA GEFORCE RTX 2070 graphics, HDMI,USB 4.0 Ports, card reader, black (1No.)</p> <p>b) HP laptop with the following specification; Processor Intel Core; 15-10210H-1.6GHZ(Turbo boost upto 4.2GHZ), 16GB RAM, ITB HDD+512GB SSD,13.3" FHD screen,HD Graphics, WIFI, WIN10 PRO,No DVDRW, HDMI,USB Ports, card reader, black</p> <p>c) EPSON L850 ink tank print, copy,scan,fax with the following specifications; ADF print, speed:upto 15-37 PPM, Resolution: upto 5760x1440 DPI, Media size supported :A3;A4;A5;A6;B6, Colored, WIFI interface, compatible with both windows and apple, CIS scan resolution:1200x2400 DPI (1No.)</p> <p>d) Epson CO W01 ProjectorSpecifications: 3LCD Technology, WXGA, 1280 x 800, 16:10, 3000 Lumen 2000 Lumen (economy), 16,000 : 1, HDMI 1.4, USB 2.0 A, USB 2.0 Type B (Service Only), 2.4 kg, 5W, Main unit, Power cable, Quick Start Guide, Remote control incl. batteries, User manual (CD) - maintenance and insurance not included.(1NO.)</p> <p>e) Provision of paper, ink,toner and servicing of equipment throught the contract period</p> <p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
	<p>Provision shall be made for the artificial lighting power and cleaning facilities for the duration of the works</p> <p>On completion of the contract the contents of the office specified above shall revert to the Client.</p> <p>The contractor shall be responsible throughout the contract period for provision of insurance cover, maintenance of the office equipment and furniture, providing all necessary staff and providing security and garbage disposal facilities</p> <p>A <u>TEMPORARY DISPOSAL OF RAIN WATER</u></p> <p>The Contractor shall provide and maintain all necessary temporary gutters, downpipes, chutes, drains etc. for conveying rainwater from the buildings and storage tanks for rainwater harvesting.</p> <p>The Contractor shall allow for temporary drainage plumbing and piping for keeping the premises and site free from accumulation of water. He shall also allow for construction and maintaining any necessary storm water drainage structures as directed.</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>TEMPORARY BUILDINGS & REFRESHMENTS</u></p> <p>The Contractor shall provide sheds for storage accommodation for all goods and materials liable to suffer damage from exposure to sunlight or inclement weather.</p> <p>The Contractor shall provide offices, mess rooms and all the buildings required by the Contractor for his own use and the use of Nominated Sub-Contractors as required by the items of attendance only.</p> <p>The Contractor shall allow for the cost of providing light refreshment for the consultants at site meetings.</p> <p>Upon completion all temporary buildings are to be removed and cleared away</p>	
B	<p><u>SANITATION OF THE WORKS</u></p> <p>The sanitation of the works shall be provided, maintained and removed on completion by the Contractor to the satisfaction of the Architects and local Authorities.</p> <p>The sanitary facilities shall be of generally acceptable standard regardless of the material being used to ensure ease of cleaning and maintain general well being of the users. Their location shall be agreed with the Architects and the works shall not be commenced before the sanitary accommodation has been approved by the above mentioned authorities.</p> <p>The Contractor will be required to pay all conservancy charges and shall ensure clean daily maintenance and disinfecting of the sanitary facilities, and not less than once per week, the whole area shall be sprayed with disinfectant and insecticides and any temporary drains shall be removed and all works and surfaces disturbed made good and then the whole area disinfected and left clean and free from pollution to the satisfaction of the Project manager and local authorities.</p>	
C	<p><u>SCAFFOLDING</u></p> <p>The Contractor shall provide, erect and maintain scaffolding for protecting the bbuilding including green netting throughout the course of the Contract and thereafter clear away</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
<p>A</p>	<p><u>DEMOLITIONS AND DOWNTAKINGS</u></p> <p>The Contractor is to allow for all temporary protection required during the works including ordinary and special dust screens, hoardings, barriers, warning signs etc. as directed by the Architect and as necessary for the adequate protection of adjacent property and finishes, workmen employed upon the site and the public. Any damage or loss incurred due to the insufficiency of such protection must be made good by the Contractor. All protective devices are to be removed on completion of the work and any necessary making good consequent upon this is to be executed to the satisfaction of the Architect</p> <p>All materials arising from demolitions and downtakings are deemed to be the property of the employer. No claim will be entertained on account of employer excising this right to retain the materials unless otherwise stated.</p> <p>The Contractor shall allow in his rates the cost of handling and disposal of debris arising out of the demolition works</p> <p>All downtakings shall be carefully removed, taken down, dismantled and stored on site until instructed by the Architect to remove from the site. Such materials shall only be incorporated in the new works if required by the Architect in which case appropriate adjustments will be made in the final account for the cost of labour, screws etc for fixing such downtakings in the new works.</p> <p>The Contractor shall be entirely responsible for any breakage or damage which may occur to materials required for re-use, during their removal, unless it is certified by the Architect that such damage or breakage was inevitable as a result of the condition of the item concerned.</p>	
<p>B</p>	<p><u>ACCESS TO SITE AND TEMPORARY ROADS</u></p> <p>Means of access to the site shall be agreed with the Architect prior to commencement of the works and the Contractor must allow for building and maintaining any temporary access roads for the transport of 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.</p> <p>Upon the completion the works the Contractor shall remove such temporary roads, temporary culverts bridges etc and make good and reinstate all works and services disturbed to the satisfaction of the Architect.</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>SIGN BOARD</u></p> <p>The Contractor shall provide and erect where directed and maintain during the whole period of the building operation and remove at completion, one approved notice board to the Architect's standard design giving a brief description of the works, a 3D perspective image of the project, and showing the names of the employer and the consultants, with sufficient space to append the names of the sub-contractors and suppliers when known. The lettering concerning the Architect, Quantity Surveyor and Engineer is not to be more than 50mm high.</p>	
B	<p><u>PRIME COST SUMS</u></p> <p>i) The words "Prime Cost" (or the initials "P.C") appearing in the contract documents shall mean net costs exclusive of any trade, cash or other discount whatsoever but inclusive of the costs of the packing, carriage and delivery. Such costs shall be the same due to the sub-contract or supplier after adjustments where applicable in respect of measurements of rates.</p> <p>ii) Any increase or decrease in the prime costs sums resulting from the adjustments and properly paid by the contractor shall be added or deducted from the contract sum in the final account. In substantiation the contractor will require to produce to the Quantity Surveyor all quotations, invoices and receipted accounts as shall be necessary to show the details of the sums actually paid.</p> <p>iii) Any sum added by the contractor in these Bills of Quantities in respect of profits upon any prime costs will be deducted at the final settlement of accounts and the sum will be added to the amount of which will bear the same proportion to the sum added as the net amount properly expended to the original P.C sum. The profit is a management fee for arranging and taking responsibility of the sub-contract works or arranging for and checking the supply of materials and goods from nominated suppliers.</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>NOMINATED SUB-CONTRACTORS</u></p> <p>The contractor shall accept responsibility for providing the following services for nominated sub-contractors.</p> <p>i) GENERAL ATTENDANCE:</p> <p>The following services are described as "allow for general attendance" . This shall mean:</p> <p>a) Use for the purpose of the sub-contract works of any scaffolding belonging to or provided by the contractor while it remains so erected upon site, provided that no warranty or other liability on the part of the contractor or of his other sub-contractors shall be created or implied in regard to the fitness, condition or suitability of the said scaffolding</p> <p>b) Provision of water, lighting, watching and attendance for the purpose of the sub-contract works.</p> <p>c) Use of sanitary accommodation, mess rooms and welfare facilities.</p> <p>d) Provision of space for erecting of offices or stores or space for storage of plant and materials.</p> <p>ii) SPECIAL ATTENDANCE:</p> <p>The following services are described as "allow for special attendance" . This shall mean:</p> <p>a) Taking delivery and including the provision of unskilled labour necessary to attend upon the sub-contractors workmen for the purpose of unloading plants/equipment and materials of significant weight and/or size, when received upon the site and placing in position within the sub-contractor's storage space or store.</p> <p>b) Special Scaffolding, scaffolding additional to the Contractors scaffolding or Reassembling of contractor's scaffolding.</p> <p>c) Facilitating special power requirements during the course of the works.</p> <p>Payments shall be made directly to the subcontractors.</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>NOMINATED SUPPLIERS</u></p> <p>The contractor shall take delivery anywhere in Nairobi all materials or goods supplied by the Nominated suppliers and shall sign a receipt as having received them in good order and condition. He shall offload, transport to site, unload, hoist, provide safe storage and thereafter be responsible for any loss or damage or replacement of any such lost or damaged articles at his own expense and shall return case if so required.</p> <p>Provision is made herein following each appropriate P.C sums for the costs of the foregoing services against items reading "take delivery of and fix only"</p>	
B	<p><u>DIRECT CONTRACTS</u></p> <p>Notwithstanding the foregoing conditions, the Government reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a P.C. Sum in the Bills of Quantities and to pay for the same direct. In any such instances, profit relative to the P.C. Sum in the priced Bills of Quantities will be adjusted as described for P.C. Sums is allowed.</p>	
C	<p><u>PROTECTION OF THE WORK</u></p> <p>The Contractor shall cover up and protect all finished work liable to damage including provision of temporary roof, gutters, drains etc until the completion of the works.</p> <p>In the event of any damages occurring to the works, materials, sewers, drains, gullies, paths or other works on site in temporary possession of the contractor for the purpose of this contract either from weather, want of proper protection, defects, or insufficiency of the works or any other causes or whatsoever during the progress of the works, the contractor shall be responsible and without extra charge, make good all damage and pay all costs which may be levied.</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>PREVENTION OF NUISANCE</u></p> <p>The works and such sections of the site necessary thereafter shall be under the entire care and control of the contractor during the whole period of the contract and shall take all possible precautions to prevent any nuisance, inconvenience or injury to the holder or occupiers of the existing or surrounding properties and to the public generally, and shall at all times keep all paths and roads affected by the works in a safe and clear state, and shall use proper precautions to ensure the safety of all wheeled traffic and pedestrians.</p> <p>The contractor shall provide appropriate screens to seal off the working area.</p>	
B	<p><u>REMOVAL OF PLANT AND RUBBISH ETC</u></p> <p>The Contractor shall upon completion of the works remove and clear away all temporary buildings, plant, rubbish and unused materials, and shall leave the whole of the site of the works in a clean and tidy state to the satisfaction of the Architect. He shall also remove all rubbish and dirt from the site at weekly intervals or as directed by the Architect.</p> <p>Particular care shall be taken in leaving windows, floors and fittings clean and the removal of all paint and cement stains therefrom.</p> <p>The contractor is expected to have established a well planned method of solid disposal of debris/garbage on and off the camp site</p>	
C	<p><u>CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</u></p> <p>The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p><u>TRAINING LEVY</u></p> <p>The Contractor's attention is drawn to legal notice No. 237 of October, 1971 which requires payment by the Contractor for a training levy and the contractor shall allow in the preliminaries of this contract (basic rates column) for all costs arising or resulting therefrom.</p> <p>Proof of payment of this Training Levy will be required.</p>	
B	<p><u>STANDARDS LEVY</u></p> <p>The Contractor's attention is drawn to Legal Notice No. 267 of 1990 which require payment by the Contractor of a Standard Levy to the Kenya Bureau of Standards. The Contractor shall allow in the Preliminaries of this Contract for all costs arising or resulting therefrom.</p>	
C	<p><u>VALUE ADDED TAX (V.A.T.)</u></p> <p>The Contractor's attention is drawn to V.A.T PUBLIC NOTICE NO. 6 of 5th August, 1993 regarding the Finance Bill 1993 which expanded the V.A.T base to cover construction services amongst other items. The Contractor shall familiarize himself with the said notice and allow in all his Bills of Quantities rates (Excluding P.C and Provisional Sums) for the net tax. (i.e less input tax where applicable) as required by law.</p> <p>Please note that allowing a lump sum tax either in preliminaries or in summary page shall not be acceptable.</p> <p>Any additional information and assistance concerning the application of the said notice should be directed to the office of the Commissioner of Value Added Tax</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
	<p><u>BILL NO. 1</u></p> <p><u>GENERAL PRELIMINARIES</u></p> <p><u>COLLECTION</u></p> <p>Carried from page 1/7</p> <p>Carried from page 1/8</p> <p>Carried from page 1/9</p> <p>Carried from page 1/10</p> <p>Carried from page 1/11</p> <p>Carried from page 1/12</p> <p>Carried from page 1/13</p> <p>Carried from page 1/14</p> <p>Carried from page 1/15</p> <p>Carried from page 1/16</p> <p>Carried from page 1/17</p> <p>Carried from page 1/18</p> <p>Carried from page 1/19</p> <p>Carried from page 1/20</p> <p>Carried from page 1/21</p> <p>Carried from page 1/22</p> <p>Carried from page 1/23</p> <p>Carried from page 1/24</p> <p>Carried from page 1/25</p> <p>Carried from page 1/26</p> <p>Carried from page 1/27</p>	
	<p>Total for General Preliminaries Carried to Summary of Bill No. 1</p>	

ITEM	DESCRIPTION	AMOUNT
	<u>BILL NO. 1</u>	
	<u>PRELIMINARIES</u>	
	<u>PROJECT SUPERVISOR'S EXPENSES</u>	
	Disclaimer: The following items are provisional sums provided by the Project Architect. They are to be expended at the written instruction of the Project Architect.	
	Note: Tenderers should not attach, revise or add any conditions or specifications to the project supervisor's expenses	
A	Allow a sum of Kenya Shillings One Million and Five Hundred Thousand (KShs 1,500,000/-) for Clerks of Works cost	1,500,000.00
B	Allow a sum of Kenya Shillings Hundred Thousand (KShs 100,000/-) for Non destructive test	100,000.00
C	Include a Percentage Sum for the Contractor's Administrative Cost and Profit for the above Project Architect and Contract Administration expenses.	
	Total for Project Architect expenses Carried to Summary of Bill No. 1	

ITEM	DESCRIPTION		AMOUNT
	<u>BILL NO. 1</u>		
	<u>PRELIMINARIES</u>		
	<u>SECTIONAL SUMMARY</u>		
		<u>Page No.</u>	
1	PARTICULAR PRELIMINARIES	1/6	
2	GENERAL PRELIMINARIES	1/28	
3	PROJECT ARCHITECTS EXPENSES	1/29	
	Total for Preliminaries Carried to Grand Summary		

BILL NO. 2
RENOVATION
WORKS

Item	Description	Unit	Qty	Rate	Amount
	<u>BILL NO. 2</u>				
	<u>ELEMENT NO. 1</u>				
	<u>RENOVATION WORKS</u>				
	<u>DEMOLITIONS (ALL PROVISIONAL)</u>				
	Carefully demolish and set aside as directed the following:-				
A	Carefully demolish masonry walling to create openings and cart away arisings	S.M	163		
B	Carefully hack and remove existing floor finish to reach concrete surface,level and clean and prepare surface to receive new floors	S.M	195		
D	Carefully hack existing external plaster and paint and prepare surface for a new application	S.M	3,955		
E	Carefully scrap off existing internal paint and prepare surface for a new application	S.M	16,667		
F	Carefully bring down granite wall tiles to be refixed (20%)	S.M	92		
	Carried Forward to Summary to Section No.2				

Item	Description	Unit	Qty	Rate	Amount
A	<p><u>ELEMENT NO. 2</u></p> <p><u>ROOFING</u></p> <p><u>Roof Covering</u></p> <p><u>Supply and fix</u></p> <p>Gauge 26 IT5 roof cover from 'SAFAL' or other equal and approved, laid at 30 degrees on and including 50 x 50 mm cypress batens to stuctural engineers details and approval</p>	S.M	255		
	Carried Forward to Summary to Section No				

Item	Description	Unit	Qty	Rate	Amount
	<u>ELEMENT NO. 3</u>				
	<u>WINDOWS</u>				
A	3M high 100x100x6mm angle line with and including 200x200x8mm thick base and cap plate anchored using M16, 100mm HT Bolts anchored using chemical injection grout to structural engineer's details	NO	650		
B	Carefully remove damaged glass and Supply and fix glass (similar to the existing glass) to existing frames to architect's details	S.M	100		
C	Allow for refixing of window blinds	L.M	1,566		
	Carried Forward to Summary to Section No.2				

Item	Description	Unit	Qty	Rate	Amount
	<u>ELEMENT NO. 4</u>				
	<u>EXTERNAL FINISHES</u>				
	<u>WALL FINISHES</u>				
	<u>Minimum 15mm thick two coat internal lime plaster, finished smooth, straight and plumb with wood float finish, as described to:-</u>				
A	Masonry and concrete surfaces to receive painting	S.M	3,955		
	<u>Prepare surface and apply (including skimming) 2mm thick trowelled textured and graded aggregates resin bonded plaster, either in vertical or in random pattern to external surfaces of existing walls as permacrete in accordance with the manufacturers printed instructions</u>				
B	Plastered wall and concrete surfaces	S.M	3,955		
C	Refixing disturbed granite wall tiles	S.M	92		
	<u>FLOOR FINISHES</u>				
D	Supply and fix 25mm thick Terrazo	S.M	5,510		
	Carried Forward to Summary to Section No.2				

Item	Description	Unit	Qty	Rate	Amount
	<u>ELEMENT NO. 5</u>				
	<u>INTERNAL FINISHES</u>				
	<u>Floor Finishes</u>				
	<u>Cement and sand (1:4) trowelled beds : on concrete : to</u>				
A	20 mm Floors : finished to receive porcelain Tile flooring	S.M	195		
	<u>Supply and Fix porcelain tiles: fixed with approved quality tile adhesive in accordance with manufacturers instructions : bedded on screeds (measured separately) : jointed, pointed and grouted in matching colour cement mortar including all spacers and expansion joints : all in accordance with Architect's detail drawings and approval</u>				
B	600 x600x 10mm internal Floor areas	S.M	195		
	<u>Wall Finishes</u>				
C	Prepare surface (including sanding and skimming) and apply two coats first quality silicon paint in accordance with the manufacturers written instruction and to the satisfaction of the architect to:-	S.M	16,667		
D	Refix lift granite	L.M	300		
	<u>Ceiling Finishes</u>				
E	Refix disturbed accoustic ceiling	S.M	330		
F	Refixing timber ceiling	S.M	330		
	Carried Forward to Summary to Section No				

Item	Description	Unit	Qty	Rate	Amount
	<u>BILL NO. 2</u>				
	<u>SUMMARY PAGE</u>				
	<u>RENOVATION</u>				
1	Demolition				
2	Roof				
3	Windows				
4	External Wall Finishes				
5	Internal Wall Finishes				
	Total Carried To Summary				

BILL NO. 3
STAIRCASE 1

Item	Description	Unit	Qty	Rate	Amount
	<p><u>BILL NO. 3</u></p> <p><u>FIRE ESCAPE STAIRCASE</u></p> <p><u>STAIRCASE NO. 1</u></p> <p><u>ELEMENT NO. 1</u></p> <p><u>STRUCTURAL STEEL FRAME</u></p> <p><u>The following in framed structural steelwork : complete with and including all welded and bolted connections : delivery to site and erection including hoisting and fixing in position with and including one shop coat red oxide, zinc chromate or similar approved primer and final coat application after erection</u></p> <p><u>Columns</u></p> <p>A Columns 100x100x4mm thick</p> <p>B Stiffener plate T6*75</p> <p>C 250 x 250 x 10mm base plates with 4No.20mm diameter x 200mm long anchor bolts each</p> <p><u>Beams</u></p> <p>D Tie Beams <i>IPE 200</i></p> <p>E Stringer beam 120x60x4mm thick</p> <p>F 250 x 150 x 10mm base plates with 4No.16mm diameter x 200mm long anchor bolts each</p> <p>G Landing beam 120x60x4mm thick</p> <p>H 1.2mm thick Durbar 'chequered' plate landing anchored to landing beams</p> <p>J Ditto but to 300mm wide x1.2mm thick thread anchored to stringer beams</p> <p><u>Railing</u></p> <p>K Supply and fix 900 mm high mild steel balustrading; comprising of 50x25x2.5 mm thick mild steel vertical baluster spaced at approximately 600 mm centres; infilled with 700mm high 3 No. 25x25x2.5 mm mild steel vertical rails at appropriate centres (approx 150mm) ; welded to 50x25x2.5mm horizontal balusters and 42x2.6mm CHS hand rail; all necessary welding and grinding welds smooth; including priming with red oxide primer before delivery to site and three coats gloss oil automotive spray paint finish; all to Architect's approval and detailed drawings</p> <p>L 100x70mm Hardwood handrail to detail</p> <p>Carried Forward to Summary to Section</p>				

Item	Description	Unit	Qty	Rate	Amount
	<u>SUSPENDED ROOF PLATFORM</u>				
	<u>The following in framed structural steelwork : complete with and including all welded and bolted connections : delivery to site and erection including hoisting and fixing in position with and including one shop coat red oxide, zinc chromate or similar approved primer and final coat application after erection</u>				
A	1.2mm thick durbar 'chequered' plate anchored to UB beams as per structural Engineer's details	S.M	18		
	<u>Beams</u>				
B	Tie Beams IPE 200	Kgs	240		
	<u>Vibrated reinforced insitu concrete (class 25) with and including waterproofing</u>				
C	150mm thick slab on the durbar plate with A142 BRC reinforment	S.M	18		
D	Fabic mesh and 2Y12 reinforcement bars in ribs as per SE details	S.M	18		
	<u>ANCHORING OF COLUMNS TO THE EXISTING FLOOR SLAB</u>				
E	Drilling through 150mm thick slab (<i>approximately net 100x100mm space</i>)	No	4		
F	Making good of the drilled surface (screeding)	No	4		
	Carried to Collection				
	STRUCTURAL STEEL FRAME				
	<u>COLLECTION</u>				
	<u>Total brought forward from Page No.</u>	3/1			
		3/2			
	Carried Forward to Summary to Section				

Item	Description	Unit	Qty	Rate	Amount
A	<p><u>ELEMENT NO. 2</u></p> <p><u>WALLING</u></p> <p><u>INTERNAL WALLS</u></p> <p><u>Approved machine cut natural stone walling in cement and sand (1:4) mortar : reinforced with 25 x 20mm gauge hoop iron every alternate courses including jointing with concrete columns</u></p> <p>200mm Load bearing walling.</p>	m2	295		
	Carried Forward to Summary to Section No				

Item	Description	Unit	Qty	Rate	Amount
	<p><u>ELEMENT NO. 3</u></p> <p><u>WINDOWS</u></p> <p><u>Curtain walling</u></p> <p><u>Curtain wall system ConWall TM CW60 as supplied and installed by Booth Manufacturing Africa Limited or equivalent approved system with the following specifications:</u></p> <p><u>50 x 100mm Aluminium Powder coated mullion and transom with Moment of Inertia adequate for the structural requirement for the facade taking cognizance of wind load, span and building height. Deflection to be limited to 1/175 of span; with and including 900 x 2400mm aluminium framed doors; Colour to Architects approval.</u></p> <p><u>Hollow profiles for precision accommodation of the special joint cleats. Invisible fixing screws or any fixtures from both sides of wall.</u></p> <p><u>6mm thick laminated glass.</u></p> <p><u>Structurally glazed vents without any visible frame to outside with friction stay opening devices or manufacturers recommended equivalent stay system.</u></p> <p><u>Powder coated aluminium fixing brackets.</u></p> <p><u>System should have integral pressure equilization with condensation and drainage provision.</u></p> <p><u>Fire barrier provision in between each floor. Glass as specified.</u></p> <p><u>Provision for expansion/ contraction in the system and System</u></p> <p><u>Each glass pane should be ventilated via the 4 corners.</u></p> <p><u>Pressed aluminium powder coated cills under all windows</u></p>				
A	Curtain walling; overall height 40.2m	m2	398		
	Carried Forward to Summary to Section No				

Item	Description	Unit	Qty	Rate	Amount
A	<p><u>ELEMENT NO. 4</u></p> <p><u>DOORS</u></p> <p><u>Fire rated door</u></p> <p>50 mm thick steel door unit size 900 x 2100 mm high security armored 1hr fire rated fire escape door; infilled with asbestos or fire rated approved materials; including 2No 800x200mm vision panel to be of fire rated Georgian wired glass; door complete with and including frame, architrave and push type panic exit latch and all necessary iron mongery.</p>	No	24		
	Carried Forward to Summary to Section No				

Item	Description	Unit	Qty	Rate	Amount
	<u>ELEMENT NO. 5</u>				
	<u>FINISHES</u>				
	<u>FLOOR FINISHES</u>				
	<u>25mm Thick Wrot mahogany or other equal and approved hardwood flooring secret nailed and glued on battens (measured separately) at 450mm centres sanded to receive varnish (measured separately). (Quantities measured net with no allowance for wastage)</u>				
A	Landing	S.M	117		
B	Ditto to 300mm wide staircase tread	L.M	183		
	<u>50 x 25mm sawn cypress chamfered tanalised battens at 450mm centres both ways fixed on concrete slab and filled in with and including 25mm cement and sand (1:3) infill.</u>				
C	Landing	S.M	117		
D	Ditto to staircase tread	LM	183		
	<u>WALL FINISHES</u>				
	<u>Plaster & Paint</u>				
	<u>Minimum 15mm Two-coat internal lime plaster, finished smooth, straight and plumb with steel trowelled finish, as described to:-</u>				
E	Masonry surfaces	SM	590		
	<u>Prepare (sanding and skimming) and apply undercoat and 2 coats of high quality extreme silicon paint in accordance with the manufacturers printed instructions</u>				
F	Plastered wall surfaces	SM	590		
	Carried Forward to Summary to Section No				

Item	Description	Unit	Qty	Rate	Amount
	BILL NO. 3				
	SUMMARY PAGE				
	STAIRCASE NO.1				
1	Structural steel Frame				
2	Walling				
3	Windows				
4	Doors				
5	Finishes				
	Total Carried To Summary				

BILL NO. 4
STAIRCASE 2

Item	Description	Unit	Qty	Rate	Amount
	<p><u>BILL NO.4</u></p> <p><u>FIRE ESCAPE STAIRCASE</u></p> <p><u>STAIRCASE NO. 2</u></p> <p><u>ELEMENT NO. 1</u></p> <p><u>STRUCTURAL STEEL FRAME</u></p> <p><u>The following in framed structural steelwork : complete with and including all welded and bolted connections ; delivery to site and erection including hoisting and fixing in position with and including one shop coat red oxide, zinc chromate or similar approved primer and final coat application after erection</u></p>				
	<u>Columns</u>				
A	152 x 152 x 30 Kilogrammes per metre universal Column	Kgs	3,618		
B	Stiffener plate T6*75*22	No	16		
C	300 x 300 x 10mm base plates with 4No.16mm diameter x 150mm long anchor bolts each	No	4		
	<u>Beams</u>				
D	Tie Beams <i>IPE 200</i>	Kgs	1,599		
E	Stringer beam 120x60x4mm thick	Kgs	884		
F	250 x 150 x 10mm base plates with 4No.16mm diameter x 200mm long anchor bolts each	No	2		
F	Landing beam 120x60x4mm thick	Kgs	1,131		
G	1.2mm thick Durbar 'chequered' plate landing anchored to landing beams	S.M	75		
H	Ditto but to 300mm wide x4mm thick thread anchored to stringer beams	L.M	116		
	<u>Railing</u>				
J	Supply and fix 900 mm high mild steel balustrading; comprising of 50x25x2.5 mm thick mild steel vertical baluster spaced at approximately 600 mm centres; infilled with 700mm high 3 No. 25x25x2.5 mm mild steel vertical rails at appropriate centres (approx 150mm) ; welded to 50x25x2.5mm horizontal balusters and 42x2.6mm CHS hand rail; all necessary welding and grinding welds smooth; including priming with red oxide primer before delivery to site and three coats gloss oil automotive spray paint finish; all to Architect's approval and detailed drawings	LM	170		
K	100x70mm Hardwood handrail to detail	L.M	170		
	Carried Forward to Summary to Section				

Item	Description	Unit	Qty	Rate	Amount
	<u>SUSPENDED ROOF PLATFORM</u>				
	<u>The following in framed structural steelwork : complete with and including all welded and bolted connections : delivery to site and erection including hoisting and fixing in position with and including one shop coat red oxide, zinc chromate or similar approved primer and final coat application after erection</u>				
A	1.2mm thick durbar 'chequered' plate anchored to UB beams as per structural Engineer's details	S.M	16		
	<u>Beams</u>				
B	Tie Beams IPE 200	Kgs	282		
	<u>Vibrated reinforced insitu concrete (class 25) with and including waterproofing</u>				
C	150mm thick slab on the durbar plate with A142 BRC reinforcement	S.M	16		
D	Fabric mesh and 2Y12 reinforcement bars in ribs as per SE details	S.M	16		
	<u>ANCHORING OF COLUMNS TO THE EXISTING FLOOR SLAB</u>				
E	Drilling through 150mm thick slab (<i>approximately net 152x152mm space</i>)	No	4		
F	Making good of the drilled surface (screeding)	No	4		
	Carried to Collection				
	STRUCTURAL STEEL FRAME				
	COLLECTION				
	<u>Total brought forward from Page No.</u>				
		4/1			
		4/2			
	Carried Forward to Summary to Section				

Item	Description	Unit	Qty	Rate	Amount
A	<p><u>ELEMENT NO. 2</u></p> <p><u>WINDOWS</u></p> <p><u>Curtain walling</u></p> <p><u>Curtain wall system ConWall TM CW60 as supplied and installed by Booth Manufacturing Africa Limited or equivalent approved system with the following specifications:</u></p> <p><u>50 x 100mm Aluminium Powder coated mullion and transom with Moment of Inertia adequate for the structural requirement for the facade taking cognizance of wind load, span and building height. Deflection to be limited to 1/175 of span; with and including 900 x 2400mm aluminium framed doors; Colour to Architects approval.</u></p> <p><u>Hollow profiles for precision accommodation of the special joint cleats. Invisible fixing screws or any fixtures from both sides of wall.</u></p> <p><u>6mm thick laminated glass.</u></p> <p><u>Structurally glazed vents without any visible frame to outside with friction stay opening devices or manufacturers recommended equivalent stay system.</u></p> <p><u>Powder coated aluminium fixing brackets.</u></p> <p><u>System should have integral pressure equilization with condensation and drainage provision.</u></p> <p><u>Fire barrier provision in between each floor. Glass as specified.</u></p> <p><u>Provision for expansion/ contraction in the system and System</u></p> <p><u>Each glass pane should be ventilated via the 4 corners.</u></p> <p><u>Pressed aluminium powder coated cills under all windows</u></p> <p>Curtain walling; overall height 40.2m</p> <p>Carried Forward to Summary to Section No</p>	m2	405		

Item	Description	Unit	Qty	Rate	Amount
A	<p><u>ELEMENT NO. 3</u></p> <p><u>DOORS</u></p> <p><u>Fire rated door</u></p> <p>50 mm thick steel door unit size 900 x 2100 mm high security armored 1hr fire rated fire escape door; infilled with asbestos or fire rated approved materials; including 2No 800x200mm vision panel to be of fire rated Georgian wired glass; door complete with and including frame, architrave and push type panic exit latch and all necessary iron mongery.</p>	No	14		
Carried Forward to Summary to Section No					

Item	Description	Unit	Qty	Rate	Amount
	<u>ELEMENT NO. 4</u>				
	<u>FINISHES</u>				
	<u>FLOOR FINISHES</u>				
	<u>25mm Thick Wrot mahogany or other equal and approved hardwood flooring secret nailed and glued on battens (measured separately) at 450mm centres sanded to receive varnish (measured separately). (Quantities measured net with no allowance for wastage)</u>				
A	Landing	S.M	75		
B	Ditto to 300mm wide staircase tread	L.M	116		
	<u>50 x 25mm sawn cypress chamfered tanalised battens at 450mm centres both ways fixed on concrete slab and filled in with and including 25mm cement and sand (1:3) infill.</u>				
C	Landing	S.M	75		
D	Ditto to staircase tread	LM	116		
	Carried Forward to Summary to Section No				

Item	Description	Unit	Qty	Rate	Amount
	<u>BILL NO. 4</u>				
	<u>SUMMARY PAGE</u>				
	<u>STAIRCASE NO.2</u>				
1	Structural steel Frame				
2	Windows				
3	Doors				
4	Finishes				
	Total Carried To Summary				

BILL NO. 5
STAIRCASE 3

Item	Description	Unit	Qty	Rate	Amount
	<u>BILL NO. 5</u>				
	<u>FIRE ESCAPE STAIRCASE</u>				
	<u>STAIRCASE NO. 3</u>				
	<u>ELEMENT NO.1</u>				
	<u>STRUCTURAL STEEL FRAME</u>				
	<u>The following in framed structural steelwork : complete with and including all welded and bolted connections : delivery to site and erection including hoisting and fixing in position with and including one shop coat red oxide, zinc chromate or similar approved primer and final coat application after erection</u>				
	<u>Columns</u>				
A	152 x 152 x 30 Kilogrammes per metre universal Column	Kgs	2,063		
B	Stiffener plate T6*75	No	16		
C	250 x 250 x 10mm base plates with 4No.20mm diameter x 200mm long anchor bolts each	No	4		
	<u>Beams</u>				
D	Tie Beams <i>IP E 200</i>	Kgs	2,513		
E	Stringer beam 120x60x4mm thick	Kgs	1,389		
F	Landing beam 120x60x4mm thick	Kgs	1,778		
G	1.2mm thick Durbar 'chequered' plate landing anchored to landing beams	S.M	117		
H	Ditto but to 300mm wide x4mm thick thread anchored to stringer beams	L.M	183		
	<u>Railing</u>				
J	Supply and fix 900 mm high mild steel balustrading; comprising of 50x25x2.5 mm thick mild steel vertical baluster spaced at approximately 600 mm centres; infilled with 700mm high 3 No. 25x25x2.5 mm mild steel vertical rails at appropriate centres (approx 150mm) ; welded to 50x25x2.5mm horizontal balusters and 42x2.6mm CHS hand rail; all necessary welding and grinding welds smooth; including priming with red oxide primer before delivery to site and three coats gloss oil automotive spray paint finish; all to Architect's approval and detailed drawings	LM	267		
K	100x70mm Hardwood handrail to detail	L.M	267		
	Carried Forward to Summary to Section				

Item	Description	Unit	Qty	Rate	Amount
	<u>SUSPENDED ROOF PLATFORM</u>				
	<u>The following in framed structural steelwork : complete with and including all welded and bolted connections ; delivery to site and erection including hoisting and fixing in position with and including one shop coat red oxide, zinc chromate or similar approved primer and final coat application after erection</u>				
A	1.2mm thick durbar 'chequered' plate anchored to UB beams as per structural Engineer's details	S.M	16		
	<u>Beams</u>				
B	254 x 102 x 22 Kilogrammes per metre universal Column	Kgs	1,320		
C	125x75x4mm RHS infills	Kgs	520		
D	80x40x3mm RHS infills	Kgs	265		
E	20x20x2mm RHS infills	Kgs	240		
	<u>Vibrated reinforced insitu concrete (class 25) with and including waterproofing</u>				
C	150mm thick slab on the durbar plate with A142 BRC reinforcement	S.M	60		
D	Fabric mesh and 2Y12 reinforcement bars in ribs as per SE details	S.M	60		
	<u>ANCHORING OF COLUMNS TO THE EXISTING FLOOR SLAB</u>				
E	Drilling through 150mm thick slab (<i>approximately net 100x100mm space</i>)	No	4		
F	Making good of the drilled surface (screeding)	No	4		
	Carried to Collection				
	STRUCTURAL STEEL FRAME				
	COLLECTION				
	<u>Total brought forward from Page No.</u>		5/1		
			5/2		
	Carried Forward to Summary to Section				

Item	Description	Unit	Qty	Rate	Amount
A	<p><u>ELEMENT NO.2</u></p> <p><u>WINDOWS</u></p> <p><u>Curtain walling</u></p> <p><u>Curtain wall system ConWall TM CW60 as supplied and installed by Booth Manufacturing Africa Limited or equivalent approved system with the following specifications:</u></p> <p><u>50 x 100mm Aluminium Powder coated mullion and transom with Moment of Inertia adequate for the structural requirement for the facade taking cognizance of wind load, span and building height. Deflection to be limited to 1/175 of span; with and including 900 x 2400mm aluminium framed doors; Colour to Architects approval.</u></p> <p><u>Hollow profiles for precision accommodation of the special joint cleats. Invisible fixing screws or any fixtures from both sides of wall.</u></p> <p><u>6mm thick laminated glass</u></p> <p><u>Structurally glazed vents without any visible frame to outside with friction stay opening devices or manufacturers recommended equivalent stay system.</u></p> <p><u>Powder coated aluminium fixing brackets.</u></p> <p><u>System should have integral pressure equilization with condensation and drainage provision.</u></p> <p><u>Fire barrier provision in between each floor. Glass as specified.</u></p> <p><u>Provision for expansion/ contraction in the system and</u></p> <p><u>Each glass pane should be ventilated via the 4 corners.</u></p> <p><u>Pressed aluminium powder coated cills under all windows</u></p>	m2	505		
	Carried Forward to Summary to Section No				

Item	Description	Unit	Qty	Rate	Amount
A	<p><u>ELEMENT NO.3</u></p> <p><u>DOORS</u></p> <p><u>Fire rated door</u></p> <p>50 mm thick steel door unit size 900 x 2100 mm high security armored 1hr fire rated fire escape door; infilled with asbestos or fire rated approved materials; including 2No 800x200mm vision panel to be of fire rated Georgian wired glass; door complete with and including frame, architrave and push type panic exit latch and all necessary iron mongery.</p>	No	14		
Carried Forward to Summary to Section No					

Item	Description	Unit	Qty	Rate	Amount
	<u>ELEMENT NO.4</u>				
	<u>FINISHES</u>				
	<u>FLOOR FINISHES</u>				
	<u>25mm Thick Wrot mahogany or other equal and approved hardwood flooring secret nailed and glued on battens (measured separately) at 450mm centres sanded to receive varnish (measured separately). (Quantities measured net with no allowance for wastage)</u>				
A	Landing	S.M	117		
B	Ditto to 300mm wide staircase tread	L.M	183		
	<u>50 x 25mm sawn cypress chamfered tanalised battens at 450mm centres both ways fixed on concrete slab and filled in with and including 25mm cement and sand (1:3) infill.</u>				
C	Landing	S.M	117		
D	Ditto to staircase tread	LM	183		
	<u>Cement and sand (1:4) trowelled beds : on concrete : to</u>				
E	Landing to receive floor finish	S.M	117		
F	Ditto to staircase tread	S.M	183		
	Carried Forward to Summary to Section No				

Item	Description	Unit	Qty	Rate	Amount
	<u>BILL NO. 5</u>				
	<u>SUMMARY PAGE</u>				
	<u>STAIRCASE NO.3</u>				
1	Structural steel Frame				
2	Windows				
3	Doors				
4	Finishes				
	Total Carried To Summary				

BILL NO. 6
DECANTING OFFICE
NO. 1

Item	Description	Unit	Qty	Rate	Amount
	<p><u>BILL NO.6</u></p> <p><u>DECANTING OFFICE 2</u></p> <p><u>ELEMENT NO. 1</u></p> <p><u>WALLING</u></p> <p><u>INTERNAL WALLING</u></p> <p><u>Machine Cut Local Block stone walling, average 7.0N/mm² bedded, jointed and pointed in cement and sand mortar (1:3) and reinforced every alternate course with 20 gauge hoop iron</u></p>				
A	<p>200mm thick walls</p> <p><u>Damp Proof Course</u></p> <p><u>3 ply bituminous damp proof course (measured net- no allowance made for laps</u></p>	SM	50		
B	<p>200mm wide</p> <p><u>Aluminium partition</u></p> <p><u>3000mm high partition comprising 75 x 50 x 2mm thick "heavy duty" powder coated aluminium framework to BS10 B15 spaced at maximum 1200mm vertically divided into two panels; 1200mm bottom panel infilled vennered HDF panels and 1600mm high top panel in 6mm thick sand blasted clear glazing fitted with film complete with all the necessary frames, beadings, glazing strips</u></p>	LM	16		
C	<p>Partitions in Panels as above described</p>	SM	35		
	Carried Forward to Summary				

Item	Description	Unit	Qty	Rate	Amount
	<p><u>ELEMENT NO. 2</u></p> <p><u>WINDOWS</u></p> <p><u>Curtain walling</u></p> <p><u>Curtain wall system ConWall TM CW60 as supplied and installed by Booth Manufacturing Africa Limited or equivalent approved system with the following specifications:</u></p> <p><u>50 x 100mm Aluminium Powder coated mullion and transom with Moment of Inertia adequate for the structural requirement for the facade taking cognizance of wind load, span and building height. Deflection to be limited to 1/175 of span; with and including 900 x 2400mm aluminium framed doors; Colour to Architects approval.</u></p> <p><u>Hollow profiles for precision accommodation of the special joint cleats. Invisible fixing screws or any fixtures from both sides of wall.</u></p> <p><u>6mm thick laminated glass.</u></p> <p><u>Structurally glazed vents without any visible frame to outside with friction stay opening devices or manufacturers recommended equivalent stay system.</u></p> <p><u>Powder coated aluminium fixing brackets.</u></p> <p><u>System should have integral pressure equilization with condensation and drainage provision.</u></p> <p><u>Fire barrier provision in between each floor. Glass as specified.</u></p> <p><u>Provision for expansion/ contraction in the system and System should be weather tight.</u></p> <p><u>Each glass pane should be ventilated via the 4 corners. Pressed aluminium powder coated cills under all windows</u></p>				
A	<p>Window (W1) 3000mm high window with fixed glass panel</p> <p style="text-align: right;">Carried Forward to Summary</p>	SM	92		

Item	Description	Unit	Qty	Rate	Amount
	<u>ELEMENT NO. 3</u>				
	<u>DOORS</u>				
	<u>Timber Doors</u>				
	<u>50mm thick solid flush doors to BS 459 faced with 6mm thick interior plywood veneered for polishings and lipped on all edges in hardwood including all plated mouldings to architect's approval</u>				
A	Door overall size 900 x 2100mm high	NO	1		
	<u>Wrot mahogany or other equal and approved hardwood frames and finishings</u>				
B	150 x 50mm moulded wall lining with labours	LM	5		
C	50 x 25mm architrave with labours	LM	5		
D	25mm quadrant	LM	5		
	<u>Iron Mongery</u>				
	<u>Supply and fix only the following ironmongery as manufactured by Assa Abloy or other equal and approved : to timber : complete with all matching screws and keys to the approval of the Archiect.</u>				
E	Cylinder lock CL -3802-SSS complete with a pair of handles	NO	1		
F	50mm pressed brass butt hinges	PAIRS	1.5		
G	Rubber door stops, oval fixed with and including rawl bolt to concrete surface	NO	1		
	Carried Forward to Collection				

Item	Description	Unit	Qty	Rate	Amount
	<u>Painting</u>				
	<u>Prepare surfaces and apply one coat of aluminium wood primer to:-</u>				
A	Back of wood before fixing; surfaces between 100mm and 200mm girth	LM	5		
B	Ditto not exceeding 100mm girth	LM	10		
	<u>Prepare surfaces and apply approved stain, sanding sealer and one undercoat and two finishing coats of 1st quality clear polyurethane varnish to:-</u>				
C	General timber surfaces (both sides measured)	SM	4		
D	Surfaces between 100mm and 200mm girth	LM	5		
E	Ditto not exceeding 100mm girth	LM	10		
Carried Forward to Collection					
<u>COLLECTION PAGE</u>					
TOTAL BROUGHT DOWN FROM					
Carried Forward to Summary					

Item	Description	Unit	Qty	Rate	Amount
	ELEMENT NO. 4				
	FINISHES				
	Wall Finishes				
	<i>Scrapping off existing paint in order to receive new paint</i>				
A	Concrete or wall surfaces to receive painting	SM	45		
	<u>Minimum 15mm thick cement and sand (1:4) two coat external plaster, finished smooth, straight and plumb with wood float finish, as described to:-</u>				
B	Concrete or wall surfaces to receive painting	SM	100		
	Painting and Decorations				
	<u>Prepare surface (including sanding and skimming) and apply Emulsion or universal undercoat followed by 2-3 coats of silicon paint in accordance with the manufacturers written instructions and to the satisfaction of the architect to:-</u>				
C	Masonry and Concrete surfaces	SM	145		
	Floor Finishes				
	<u>Cement and sand screed (1:4) to:-</u>				
D	30mm thick bed on concrete to receive porcelain tiles	SM	221		
	<u>Supply and Fix ceramic tiles : fixed with approved quality adhesive in accordance with manufacturers instructions :bedded on screeds (measured separately) : jointed, pointed and grouted in matching colour cement mortar including all spacers , expansion joints : all in accordance with Architect's detail drawings and approval</u>				
E	600x600x10mm thick Ceramic Floor Tiles	SM	221		
F	Ditto but 100mm high skirting	LM	30		
	Ceiling Finishes				
	<i>Scrapping off existing paint in order to receive new paint</i>				
G	Concrete or wall surfaces to receive painting	SM	221		
	Painting and Decorations				
	<u>Prepare surface (including sanding and skimming) and apply Emulsion or universal undercoat followed by 2-3 coats of silicon paint in accordance with the manufacturers written instructions and to the satisfaction of the architect to:-</u>				
H	Concrete surfaces	SM	221		
	Carried Forward to Summary				

BILL NO. 7
DECANTING OFFICE
NO. 2

Item	Description	Unit	Qty	Rate	Amount
	<p><u>BILL NO. 7</u></p> <p><u>DECANTING OFFICE 1</u></p> <p><u>ELEMENT NO. 1</u></p> <p><u>WALLING</u></p> <p><u>INTERNAL WALLING</u></p> <p><u>Machine Cut Local Block stone walling, average 7.0N/mm² bedded, jointed and pointed in cement and sand mortar (1:3) and reinforced every alternate course with 20 gauge hoop iron</u></p>				
A	200mm thick walls	SM	64		
	<p><u>Damp Proof Course</u></p> <p><u>3 ply bituminous damp proof course (measured net- no allowance made for laps</u></p>				
B	200mm wide	LM	21		
	<p><u>Aluminium partition</u></p> <p><u>3000mm high partition comprising 75 x 50 x 2mm thick "heavy duty" powder coated aluminium framework to BS10 B15 spaced at maximum 1200mm vertically divided into two panels: 1200mm bottom panel infilled vennered HDF panels and 1600mm high top panel in 6mm thick sand blasted clear glazing fitted with film complete with all the necessary frames, beadings, glazing strips</u></p>				
C	Partitions in Panels as above described	SM	35		
	<p>Carried Forward to Summary</p>				

Item	Description	Unit	Qty	Rate	Amount
	<p>ELEMENT NO. 2</p> <p>WINDOWS</p> <p>Curtain walling</p> <p><u>Curtain wall system ConWall TM CW60 as supplied and installed by Booth Manufacturing Africa Limited or equivalent approved system with the following specifications:</u></p> <p><u>50 x 100mm Aluminium Powder coated mullion and transom with Moment of Inertia adequate for the structural requirement for the facade taking cognizance of wind load, span and building height. Deflection to be limited to 1/175 of span; with and including 900 x 2400mm aluminium framed doors; Colour to Architects approval.</u></p> <p><u>Hollow profiles for precision accommodation of the special joint cleats. Invisible fixing screws or any fixtures from both sides of wall.</u></p> <p><u>6mm thick laminated glass</u></p> <p><u>Structurally glazed vents without any visible frame to outside with friction stay opening devices or manufacturers recommended equivalent stay system.</u></p> <p><u>Powder coated aluminium fixing brackets.</u></p> <p><u>System should have integral pressure equilization with condensation and drainage provision.</u></p> <p><u>Fire barrier provision in between each floor. Glass as specified.</u></p> <p><u>Provision for expansion/ contraction in the system and System should be weather tight.</u></p> <p><u>Each glass pane should be ventilated via the 4 corners.</u></p> <p><u>Pressed aluminium powder coated cills under all windows</u></p>				
A	Window (W1) 3000mm high window with fixed glass panel	SM	92		
	Carried Forward to Summary				

Item	Description	Unit	Qty	Rate	Amount
	<u>ELEMENT NO. 3</u>				
	<u>DOORS</u>				
	<u>Timber Doors</u>				
	<u>50mm thick solid flush doors to BS 459 faced with 6mm thick interior plywood veneered for polishings and lipped on all edges in hardwood including all plated mouldings to architect's approval</u>				
A	Door overall size 900 x 2100mm high	NO	1		
	<u>Wrot mahogany or other equal and approved hardwood frames and finishings</u>				
B	150 x 50mm moulded wall lining with labours	LM	5		
C	50 x 25mm architrave with labours	LM	5		
D	25mm quadrant	LM	5		
	<u>Iron Mongery</u>				
	<u>Supply and fix only the following ironmongery as manufactured by Assa Abloy or other equal and approved : to timber : complete with all matching screws and keys to the approval of the Archiect.</u>				
E	Cylinder lock CL -3802-SSS complete with a pair of handles	NO	1		
F	50mm pressed brass butt hinges	PAIRS	1.5		
G	Rubber door stops, oval fixed with and including rawl bolt to concrete surface	NO	1		
	Carried Forward to Collection				

Item	Description	Unit	Qty	Rate	Amount
	Painting				
	<u>Prepare surfaces and apply one coat of aluminium wood primer to:-</u>				
A	Back of wood before fixing; surfaces between 100mm and 200mm girth	LM	5		
B	Ditto not exceeding 100mm girth	LM	10		
	<u>Prepare surfaces and apply approved stain, sanding sealer and one undercoat and two finishing coats of 1st quality clear polyurethane varnish to:-</u>				
C	General timber surfaces (both sides measured)	SM	4		
D	Surfaces between 100mm and 200mm girth	LM	5		
E	Ditto not exceeding 100mm girth	LM	10		
Carried Forward to Collection					
<u>COLLECTION PAGE</u>					
TOTAL BROUGHT DOWN FROM					
Carried Forward to Summary					

Item	Description	Unit	Qty	Rate	Amount
	ELEMENT NO. 4				
	FINISHES				
	Wall Finishes				
	<u>Scrapping off existing paint in order to receive new paint</u>				
A	Concrete or wall surfaces to receive painting	SM	60		
	<u>Minimum 15mm thick cement and sand (1:4) two coat external plaster, finished smooth, straight and plumb with wood float finish, as described to:-</u>				
B	Concrete or wall surfaces to receive painting	SM	128		
	Painting and Decorations				
	<u>Prepare surface (including sanding and skimming) and apply Emulsion or universal undercoat followed by 2-3 coats of silicon paint in accordance with the manufacturers written instructions and to the stisfaction of the architect to:-</u>				
C	Masonry and Concrete surfaces	SM	188		
	Floor Finishes				
	<u>Cement and sand screed (1:4) to:-</u>				
D	30mm thick bed on concrete to receive porcelain tiles	SM	251		
	<u>Supply and Fix ceramic tiles : fixed with approved quality adhesive in accordance with manufacturers instructions ;bedded on screeds (measured separately) : jointed, pointed and grouted in matching colour cement mortar including all spacers , expansion joints : all in accordance with Architect's detail drawings and approval</u>				
E	600x600x10mm thick Ceramic Floor Tiles	SM	251		
F	Ditto but 100mm high skirting	LM	40		
	Carried Forward to Summary				

Item	Description	Unit	Qty	Rate	Amount
	<u>Ceiling Finishes</u>				
	<i>Scrapping off existing paint in order to receive new paint</i>				
A	Concrete or wall surfaces to receive painting	SM	0		-
	<u>Painting and Decorations</u>				
	<u>Prepare surface (including sanding and skimming) and apply Emulsion or universal undercoat followed by 2-3 coats of silicon paint in accordance with the manufacturers written instructions and to the stisfaction of the architect to:-</u>				
B	Concrete surfaces	SM	0		-
J	Allow a sum of Kenya Shillings Two Million and Five Hundred Thousand (KShs 2,500,000/-) for decanting facilitation and structured cabling	Item	1		2,500,000.00
	Carried Forward to Summary				
	<u>COLLECTION</u>				
	Total brought forward from Page No.	7/5			
		7/6			
	Carried Forward to Summary to Section				

BILL NO. 8
PRIME COST SUMS

PROPOSED RENOVATION AND FIRE ESCAPE STAIRCASE AT USHURU PENSION TOWERS FOR KENYA REVENUE AUTHORITY STAFF PENSION SCHEME

Item	Description	Unit	Qty	Rate	Amount
	<u>PRIME COST SUMS</u>				
	<u>BUILDERS IN CONNECTION TO SERVICES</u>				
	<u>MECHANICAL WORKS</u>				
	<u>Builder's work in connection to mechanical services for staircase presuration, fire escape and any other mechanical service</u>	Item			
A	Allow for all necessary Builder's work in connection with Mechanical installations including cutting holes, chasing, hacking e.t.c and making good <i>(figure should not Exceed Kshs. 1.8M)</i>	Item	1		
C	Allow for general and specific attendance <i>(figure should not Exceed Kshs. 1.2M)</i>	Item	1		
B	Add for profit (state applicable percentage)	Percentage	%		
	<u>ELECTRICAL WORKS</u>				
	<u>Builder's work in connection to electrical works (Electrical distribution and installation, fire detection and alarm system and CCTV installations)</u>				
D	Allow for all necessary Builder's work in connection with electrical installations including cutting holes, chasing, hacking e.t.c and making good <i>(figure should not Exceed Kshs. 0.7M)</i>	Item	1		
E	Allow for general and specific attendance <i>(figure should not Exceed Kshs. 0.5M)</i>	Item	1		
F	Add for profit (state applicable percentage)	Percentage	%		
G	Allow a provisional sum of Kshs 500,000.00 for relocation of 1No. Washroom as directed by the Project Architect	Item	1		500,000.00
	Prime Costs and Provisional Sums Carried Forward to Summary				

PROPOSED RENOVATION AND FIRE ESCAPE STAIRCASE

AT USHURU PENSION TOWERS ON L.R NO 209/21599

FOR

KENYA REVENUE AUTHORITY STAFF PENSION SCHEME NAIROBI COUNTY

GRAND SUMMARY

Section	Description	Page Number	Amount (Kshs)
	<u>SUMMARY PAGE</u>		
1	PRELIMINARIES		
2	RENOVATIONS		
3	STAIRCASE NO.1		
4	STAIRCASE NO.2		
5	STAIRCASE NO.3		
6	DECANTING OFFICE NO.1		
7	DECANTING OFFICE NO.2		
8	PROVISIONAL SUM		
9	CONTINGENCY		11,600,000.00
	Subtotal		
	ADD 16% VAT		
	ADD 0.03% OF THE SUBTOTAL FOR CAPACITY BUILDING LEVY (EXCLUSIVE OF VAT)		
TOTAL AMOUNT CARRIED TO FORM OF TENDER (INCLUSIVE OF ALL APPLICABLE TAXES)			

Amount in words:-

Tenderer's Name and Stamp;:

Signature:

Date:

Witness:

Signature: