

MULTIMEDIA UNIVERSITY OF KENYA

P.O. BOX 15653 - 00503, NAIROBI, KENYA. MAGADI ROAD

Email: vc@mmu.ac.ke

ADDENDUM NO. 3

TO: ALL BIDDERS

30/03/2026

PROPOSED COMPLETION OF MULTIMEDIA UNIVERSITY OF
KENYA LIBRARY - NAIROBI COUNTY

TENDER NO. MMU/OT/LIB/02/2025-2026

BUILDERS WORKS, PLUMBING & DRAINAGE WORKS, AND AIR CONDITIONING &
MECHANICAL VENTILATION INSTALLATION WORKS

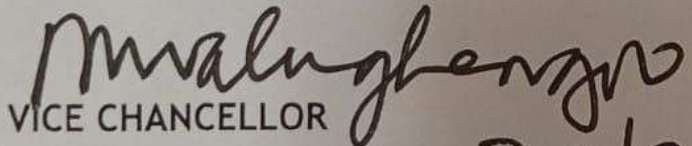
Our technical team noted omission of some details of the above tender and therefore wishes to correct the anomaly by making the following changes, pursuant to Section 75 of the Public Procurement and Asset Disposal Act 2015: -

1. AMENDMENT OF THE SCHEDULE OF REQUIREMENTS (Bill of Quantities)
2. INSERTION OF SCORES IN THE TECHNICAL EVALUATION CRITERIA

Please find the amendments here below.

Consequently, the NEW TENDER SUBMISSION DEADLINE will be on Tuesday 7th April 2026 at 11.00 am

The other requirements in the Original Tender Document remain unchanged.


VICE CHANCELLOR

30/3/26



**PROPOSED PARTIAL COMPLETION OF MULTIMEDIA UNIVERSITY
OF KENYA LIBRARY – NAIROBI COUNTY**

TENDER NO. MMU/OT/LIB/02/2025-2026

WP ITEM NO: D1065/NB/NB/2501 JOB NO: 11612A

**VOLUME 1/3 (Builders Works, Plumbing & Drainage Works, and Air
Conditioning & Mechanical Ventilation Installation Works)**

PROJECT MANAGER

Works Secretary
Ministry of L, PW, H&UD
State Department for Public Works,
P.O. BOX 30743 – 00100

NAIROBI

ARCHITECT

Chief Architect,
Ministry of L, PW, H&UD
State Department for Public Works,
P.O. Box 30743-00100,

NAIROBI

QUANTITY SURVEYOR

Chief Quantity Surveyor,
Ministry of L, PW, H&UD
State Department for Public Works,
P.O. Box 30743-00100,

NAIROBI

ELECTRICAL ENGINEER

Chief Engineer (Electrical)
Ministry of L, PW, H&UD.
State Department for Public Works,
P.O. Box 30743-00100,

NAIROBI

MECHANICAL ENGINEER

Chief Engineer (Mechanical-BS)
Ministry of L, PW, H&UD,
State Department for Public Works,
P.O. Box 30743-00100,

NAIROBI

STRUCTURAL ENGINEER

Chief Engineer (Structural),
Ministry of L, PW, H&UD
State Department for Public Works,
P.O. Box 30743-00100

NAIROBI

INTERIOR DESIGNER

Chief Designer,
Ministry of L, PW, H&UD
State Department for Public Works,
P.O. Box 30743-00100

NAIROBI

MARCH 2026

STAGE 2. QUALIFICATION FORM / TECHNICAL EVALUATION

Item No.	Qualification Subject	Qualification Requirement (PASS MARK 80%)	Document To be Completed by Tenderer
1.	Nationality	Nationality in accordance with ITT 3.6	Forms ELI – 1.1 and 1.2, with attachments
2.	Tax Obligations for Kenyan Tenderers	Has produced a current tax clearance certificate or tax Exemption certificate issued by Kenya Revenue Authority in accordance with ITT 3.14.	Attachment
3.	Conflict of Interest	No conflicts of interest in accordance with ITT 3.3	Form of Tender
4.	PPRA Eligibility	Not having been declared ineligible by the PPRA as described in ITT 3.7	Form of Tender
5.	History of Non-Performing Contracts	Non-performance of a contract did not occur as a result of contractor default since 1 st January 2015	Form CON-2
6.	Suspension Based on Execution of Tender /Proposal Securing Declaration by the Procuring Entity	Not under suspension based on-execution of a Tender/Proposal Securing Declaration pursuant to ITT 16.6	Form of Tender
7.	Pending Litigation	Tender's financial position and prospective long-term profitability still sound according to criteria established in 3.1 and assuming that all pending litigation will NOT be resolved against the Tenderer.	Form CON– 2
8.	Litigation History	No consistent history of court/arbitral award decisions against the Tenderer since 1 st January [2017].	Form CON– 2
9.	Financial Capabilities	<p>(i) The Tenderer shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements estimated as Kenya Shillings 22,500,000 equivalent for the subject contract(s) net of the Tenderer's other commitments.</p> <p>(ii) The Tenderers shall also demonstrate, to the satisfaction of the Procuring Entity, that it has adequate sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.</p> <p>The audited balance sheets or, if not required by the laws of the Tenderer's country, other financial statements acceptable to the Procuring Entity, for the last [3] years shall be submitted and must demonstrate the current soundness of the Tenderer's financial position and indicate its prospective</p>	<p>Form FIN – 3.1, with attachments (5 Marks)</p> <p>(5 Marks)</p>

Item No.	Qualification Subject	Qualification Requirement	Document Completed To be by Tenderer
		long- term profitability. Attach evidence in form of letter from bank, overdraft facility, current bank statements for the last 6 months)	
10	Average Construction Turnover	Minimum average annual construction turnover of at least two and a half (2.5) times the Tender Sum , equivalent calculated as total certified payments received for contracts in progress and/or completed within the last Three years, divided by Three years	Form FIN – 3.2
11	General Construction Experience	Experience under construction contracts in the role of prime contractor, JV member, sub-contractor, or management contractor starting 1st January 2017 . A minimum number of 1 contract Provide Completion certificates/ Recommendation letter	Form EXP – 4.1
12	Specific Construction Contract Management Experience	<p>Tenderers must demonstrate experience in executing similar contracts. The following criteria apply:</p> <ol style="list-style-type: none"> 1. Minimum Number of Contracts: <ul style="list-style-type: none"> ○ A minimum of 3 similar contracts must have been satisfactorily and substantially completed between 1st January 2018 and the tender submission deadline. ○ Each contract must have been executed as a prime contractor, joint venture member, management contractor, or sub-contractor. ○ The value of each contract must be not less than 80% of the Tender Sum. (15 Marks) 2. Documentation Required: Tenderers shall attach copies of the following for each contract: <ol style="list-style-type: none"> a) Letter of Award (5 Marks) b) Signed Contract (5 Marks) c) Completion Certificate for the respective project (5 Marks) <p>In addition</p> d) For completed projects, a Recommendation Letter from the client or consultant indicating satisfactory completion. 	Form EXP 4.2(a)

Item No.	Qualification Subject	Qualification Requirement			Document Completed To be by Tenderer
13.	Contractors Equipment Key	No.	Equipment Description (Owned / Leased)	Quantity	Form EQU: Equipment
1	Pick-ups	1			
2	Scaffoldings	At least 5 sets			
<p>Notes:</p> <p>Owned Equipment: Tenderers must provide clear copies of logbooks or other proof of ownership for all owned equipment.</p> <ol style="list-style-type: none"> 1. Hired/Leased Equipment: (5 Marks) <ul style="list-style-type: none"> ○ Provide a commitment letter from the lessor addressed to: MULTIMEDIA UNIVERSITY, P.O. Box 15653-00503, Nairobi, indicating that the equipment shall be available upon award of the tender. ○ Submit a copy of the written lease agreement between lessee and lessor, specifying the list of equipment and corresponding proof of ownership or logbooks by the lessor. 2. All equipment listed must be available on site when required during the execution of the project. 3. Owned (attach evidence of ownership 10 Marks) 					

Item No.	Qualification Subject	Qualification Requirement	Document Completed To be by Tenderer
14.	Contractor's Representative and Key Personnel	<p>a) Project Manager (1 No.) (10 Marks) Minimum Qualifications and Technical Experience:</p> <ul style="list-style-type: none"> • Bachelor’s degree in Architecture, Quantity Surveying, Construction Management, or Civil/Structural Engineering. • Registered Professional with the respective registration bodies: Engineers Board of Kenya (EBK) or Board of Registration of Architects and Quantity Surveyors (BORAQS), with a valid practicing license – Mandatory. • General Experience: Minimum of 10 years. • Specific Experience: Minimum of 8 years in the construction of building works. <p>b) Site Agent (1 No.) (8 Marks) Minimum Qualifications and Technical Experience:</p> <ul style="list-style-type: none"> • Higher Diploma in Building Construction or equivalent. • Specific Experience: Minimum of 5 years in the construction of building works. <p>c) Foreman (1 No.) (8 Marks) Minimum Qualifications and Technical Experience:</p> <ul style="list-style-type: none"> • Certificate in Building Construction, Electrical, or Mechanical. • Experience: Minimum of 4 years. <p>d) Artisans (2 Nos.) (8 Marks) Minimum Qualifications and Technical Experience:</p> <ul style="list-style-type: none"> • Trade Test Certificate in relevant field. • Experience: Minimum of 5 years. • Registration: Must be registered with NCA or accredited by NITA. <p>e) Occupational Health and Safety Personnel (1 No.) (6 Marks) Qualifications and Technical Experience:</p> <ul style="list-style-type: none"> • Certificate in Occupational Safety and Health. 	<p>Form PER -1 G</p> <p>Form PER -2</p>

Item No.	Qualification Subject	Qualification Requirement	Document Completed To be by Tenderer
		<ul style="list-style-type: none"> • Experience: Minimum of 5 years. 	
15.	Work Methodology and Work Programme	<ol style="list-style-type: none"> 1. Detailed Work Methodology: (4 MARKS) <ul style="list-style-type: none"> • Provide a comprehensive procedure for executing all activities as outlined in the Bill of Quantities (BoQs). 2. Work Programme: (3 MARKS) <ul style="list-style-type: none"> • Submit a detailed work programme using Microsoft Project, showing the sequence and duration of all activities, milestones, and key deliverables. 3. Cashflow Projections: (3 MARKS) <ul style="list-style-type: none"> • Provide a detailed cash flow projection for the entire duration of the project, indicating timing of costs and anticipated cash requirements. 	

Responsive firms are those who meet the requirements indicated the above form

PART IV- BILLS OF QUANTITIES

BILL NO.1

PARTICULAR PRELIMINARIES

ITEM	DESCRIPTION	AMOUNT
<p>A</p> <p>EMPLOYER</p> <p>The Employer is MULTIMEDIA UNIVERSITY OF P.O. BOX 15653-00503, NAIROBI.</p> <p>The term "Employer" and "Government" wherever used in the contract document shall be synonymous.</p> <p>B</p> <p>PROJECT MANAGER</p> <p>The term "P.M" or "Project Manager" wherever used in these Bills of Quantities shall be deemed to imply the "Engineer" as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the Government.</p> <p>C</p> <p>ARCHITECT</p> <p>The term "Architect" shall be deemed to mean "the P.M" as defined above whose address, unless otherwise notified, is as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the Government.</p> <p>D</p> <p>QUANTITY SURVEYOR</p> <p>The term "Quantity Surveyor" shall be deemed to mean "the P.M" as defined above whose address, unless otherwise notified, is the Ministry of Transport, Infrastructure, Housing and Urban Development & Public Works: State Department for Public Works, P.O.Box 30743-00100, NAIROBI</p> <p>E</p> <p>STRUCTURAL ENGINEER</p> <p>The term "Structural Engineer" shall be deemed to mean "the P.M" as defined above whose address, unless otherwise notified, is as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the Government.</p> <p>F</p> <p>CIVIL ENGINEER</p> <p>The term "Civil Engineer" shall be deemed to mean "the P.M" as defined above whose address, unless otherwise notified, is as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the Government.</p>		
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
A	<p>ELECTRICAL ENGINEER</p> <p>The term "Electrical Engineer" shall be deemed to mean "the P.M" as defined above whose address, unless otherwise notified, is as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the Government.</p> <p>MECHANICAL ENGINEER</p> <p>The term "Mechanical Engineer" shall be deemed to mean "the P.M" as defined above whose address, unless otherwise notified, is as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the Government.</p>	
C	<p>DESCRIPTION OF THE WORKS</p> <p>SCOPE OF CONTRACT</p> <p><u>Generally:</u></p> <p>The work comprises of Completion of Library Complex ,associated Civil works, electrical and mechanical engineering services.</p> <p>Staircase Finishes</p> <p>Screed works to treads, risers, landings, soffits, and edges.</p> <p>Terrazzo paving to landings, treads, risers, and skirtings, machine-polished to approval.</p> <p>Balustrades: mild steel pipe handrails and balusters, complete with painting.</p> <p>Ramp Finishes</p> <p>Screed and terrazzo finishes to ramp, landings, risers, and skirtings.</p> <p>Plastering to soffits, edges, and sloping surfaces.</p> <p>Painting to plastered soffits and landings.</p> <p>Balustrades to ramps, prepared and painted.</p>	
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
	<p>Windows</p> <p>Fixing of mahogany window boards and beading.</p> <p>Painting of metal surfaces.</p> <p>Inspection, repair, and replacement of defective aluminium window parts to leave in perfect working condition.</p> <p>Doors</p> <p>Supply and installation of mahogany timber frames, architraves, beads, and quadrants.</p> <p>Solid core and semi-solid flush doors in mahogany veneer with ironmongery.</p> <p>Timber louvred duct access doors, complete with frame, ironmongery, and finishing.</p> <p>Painting and polishing of timber surfaces.</p> <p>Internal Finishes</p> <p>Screeds to receive floor finishes.</p> <p>Supply and laying of ceramic and non-slip floor tiles, skirtings, and wall tiles.</p> <p>Plastering to walls, soffits, and reveals.</p> <p>Gypsum and acoustic ceilings with cornices.</p> <p>Skimming and preparation of surfaces.</p> <p>Painting and decoration to all walls, soffits, and ceilings.</p> <p>Expansion joint treatment with PVC water stops, fibreboard fillers, sealants, and cover plates.</p>	
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
	<p>Joinery, Fittings & Fixtures Reinforced concrete slabs and formwork. Blockwork walls and rendering. Plastering to soffits. Granite countertops and facias. Mild steel balustrades with painting.</p> <p>Builder's Works in Connection with Specialist Services Chasing, cutting, and making good walls, floors, and slabs for plumbing and drainage pipes. Chases and recesses for conduits, switches, sockets, sub-main cables, and distribution boards. Timber and gypsum boxing to pipes. Painting to timber surfaces.</p> <p>2.7 Mechanical Installation (Plumbing & Drainage) Water piping to washrooms and hand wash areas. Installation of WCs, urinals, hand wash basins. Drainage piping, manholes, and connection to septic tank/soak pit.</p> <p>2.9 Completion Testing and commissioning of all services. Snagging, cleaning, and handing over. Provision of as-built drawings and operation manuals</p> <p>C <u>FLOOR AREAS</u></p> <p>Total Areas Ground floor =1622 SM</p> <p>Note : The above areas are given as a guide an no warranty is given for their accuracy.</p>	
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
<p>A</p>	<p>LOCATION OF SITE</p> <p>The site of the proposed works is located in Multimedia University of Kenya (MMU) along Magadi Road, Ongata Rongai, in Kajiado County, just outside Nairobi City.</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</p> <p>b) The amount of the rubbish or debris to be cleared away before commencement</p> <p>c) The nature, current usage, proximity and size of adjoining property and buildings</p> <p>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>The Contractor is advised that the site is within a compound in use and all measures should be taken to avoid nuisance to the existing users.</p> <p>All occupation health and safety requirements must be met as required by law.</p> <p>This includes prevention/ minimizing noise, dust, fumes, providing access to public facilities as required (lifts, washrooms, staircases).</p> <p>Notices should be given prior to disruption of services.</p> <p>Where necessary the Contractor will provide temporary facilities for use as instructed by the Project Manager.</p> <p>MEASUREMENTS</p> <p>B The works are measured in accordance with the Standard Method of Measurement of Building Works 2008 Edition, published by the Architectural Association of Kenya</p> <p>In the event of any discrepancies arising between the Bills of Quantities and the actual works, the site measurements shall generally take precedence. However, such discrepancies between any contract documents shall immediately be referred to the PROJECT MANAGER</p> <p>SIGNING OF THE TENDER DOCUMENTS</p> <p>C The bidder shall append his / her signature and / or company's rubber stamp on each and every page of tender document.</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
<p>A</p>	<p>DEMOLITIONS AND ALTERATIONS</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 Project Manager and as necessary for the adequate propping and protection of existing property, finishes, workmen employed on the site, employer's agents and the public. Any damage or loss incurred due to the insufficiency of such protection must be made good by the Contractor. All protective devices are to be removed on completion of the works and any necessary making good consequent upon this is to be executed to the satisfaction of the Project Manager. The works shall be propped, strutted and supported as necessary before any alteration or demolition work commences. Prices shall include for all cleaning and preparatory work to structure and finishes and for making good to all finishes on completion whether or not specifically described Unless described as set aside for re-use all arising debris and surplus materials shall be carefully removed from building and carted away from site. 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 Project Manager that such damage or breakage was inevitable as a result of the condition of the item concerned.</p> <p>MATERIALS FROM DEMOLITIONS</p> <p>B Any materials arising from demolitions and not re-used shall become the property of the Ministry of Public Works. The Contractor shall allow in his rates the cost of transporting the demolished materials to where directed by the Project Manager.,</p> <p>CLEARING AWAY</p> <p>C The Contractor shall remove all temporary works, rubbish, debris and surplus materials from the site as they accumulate and upon completion of the works, remove and clear away all plant, equipment, rubbish, unused materials and stains. The whole of the works shall be delivered up clean, complete and in perfect condition in every respect to the satisfaction of the Project Manager.</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p>CLAIMS / COMPENSATION EVENTS</p> <p>It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and / or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such a claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claim shall be entertained upon the expiry of the said contract period.</p>	
B	<p>URGENCY OF THE WORKS</p> <p>The Contractor is notified that these “ works are urgent” and should be completed within the period stated in the Conditions of Contract.</p> <p>The Contractor shall allow in his rates for any costs he/ she deems that he/she may incur by having to complete these works within the stipulated contract period.</p>	
C	<p>PREVENTION OF ACCIDENT, DAMAGE OR LOSS</p> <p>The Contractor is notified that these works are to be carried out on a restricted site where the client is going on with other normal activities. The Contractor is thus instructed to take reasonable care in the execution of the works as to prevent accident</p>	
D	<p>WORKING CONDITIONS</p> <p>The Contractor shall allow in his rates for any interference that he may encounter in the course of the works for the Client may in some cases ask the Contractor not to proceed with the works until some activities within the site are completed.</p>	
E	<p>SIGNBOARD</p> <p>Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project Manager.</p>	
F	<p>LABOUR CAMPS</p> <p>The Contractor shall not be allowed to house labour on site. Allow for transporting workers to and from the site during the tenure of the contract.</p>	
G	<p>PRICING RATES</p> <p>The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.</p>	
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
A	<p>SECURITY</p> <p>The Contractor shall allow for providing adequate security for the works and the workers in the course of execution of this contract. No claim will be entertained from the Contractor for not maintaining adequate security for both the works and workers.</p>	
B	<p>EXISTING SERVICES</p> <p>Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned</p>	
C	<p>BID SECURITY</p> <p>The Bidder shall furnish, as part of his bid, a security in accordance with clause 19.1 of Instruction to Tenderers (Section I of the Tender Document)</p> <p>Guarantees issued as surety for the bid shall be valid for a period of One Hundred and Fifty Six (168) days from the date of Tender Opening.</p>	
D	<p>PERFORMANCE SECURITY</p> <p>A bond of 5% of the contract sum will be required in accordance with clause 48.0 of Instruction to Tenderers (Section I of the Tender Document) and Clause 4.2 of the General Conditions of Contract (Section VIII of the Tender Document).</p> <p>Note that no payments on account of works executed will be made to the Contractor until he has submitted the Performance Bond to the Project Manager, duly stamped signed and sealed by an approved bank or insurance company</p>	
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
	<p>INSURANCE</p> <p>A The Contractor shall insure as required in Condition No. 18 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 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> <p>TENDER DOCUMENTS</p> <p>B Tender documents are as listed in Clause 11 of Section I-Instruction to Tenderers of the Tender Document.</p> <p>VALUE ADDED TAX</p> <p>C 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 familiarise himself with the said notice and allow in all his Bills of Quantities rates for the net tax. (i.e less input tax where applicable) as required by law.</p> <p>The tenderer is advised that in accordance with Government Public Notice No.35 &36 dated 11th September 2003, operational from 1st October 2003, V.A.T will be deducted against the contract sum at the prevailing rate by the Employer and remitted directly to the Commissioner of V.A.T through all interim certificates. It should however be noted that this is not additional tax but a new mode of payment for V.A.T, any excess payment will be refundable once the Contractor has submitted monthly returns to the Commissioner of V.A.T who will do the refunds when satisfied that the V.A.T regulations have been complied with.</p>	
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
	<p><u>PROJECT MANAGEMENT EXPENSES</u></p> <p><u>This sum is to cover expenses related to supervision, site visits, and administrative support during the implementation of the works. Disbursement will be subject to approval by the Project Manager.</u></p> <p>A Allow a Provisional Sum of Kenya Shillings Two Million (Kshs.2,000,000.00) only to cover Project Management Supervision Expenses for all disciplines.</p> <p>B Allow for taxes, profits and overheads for the Item above (%)</p> <p><u>Capacity Building Levy by PPRA</u></p> <p>C The Contractor's attention is drawn to section 24(5) d and 180 of the PPAD Act, Public Procurement Capacity building levy order, 2023, legal notice No.206 of 6th November, 2023, provides that "a procuring entity is mandated to ensure that there shall be a paid levy by the supplier on all procurement contracts signed between the supplier and the procuring entity at the rate of 0.03% of the value of the signed contract exclusive of applicable taxes."</p> <p>D Allow for taxes, profits and overheads for the Item above (%)</p>	<p>2,000,000</p>
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
	<u>COLLECTION</u>	
	Brought forward from page PP/1	
	Brought forward from page PP/2	
	Brought forward from page PP/3	
	Brought forward from page PP/4	
	Brought forward from page PP/5	
	Brought forward from page PP/6	
	Brought forward from page PP/7	
	Brought forward from page PP/8	
	Brought forward from page PP/9	
	Brought forward from page PP/10	
	TOTAL FOR PARTICULAR PRELIMINARIES CARRIED TO GRAND SUMMARY	

BILL NO.2

GENERAL PRELIMINARIES

ITEM	DESCRIPTION	AMOUNT
	<p><u>GENERAL PRELIMINARIES</u></p> <p>A PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES Prices will be inserted against items of Preliminaries in the Contractor's priced Bills of Quantities and Specification. 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> <p>B ABBREVIATIONS Throughout these Bills, units of measurement and terms are abbreviated and shall be interpreted as follows:-</p> <p>C.M. Shall mean cubic metre</p> <p>S.M. Shall mean square metre</p> <p>L.M. Shall mean linear metre</p> <p>MM Shall mean Millimetre</p> <p>Kg. Shall mean Kilogramme</p> <p>No. Shall mean Number</p> <p>Prs. Shall mean Pairs</p> <p>B.S. Shall mean the British Standard Specification Published by the British Standards Institution, 2 Park Street, London W.I., England.</p> <p>Ditto Shall mean the whole of the preceding description except as qualified in the description in which it occurs.</p> <p>m.s. Shall mean measured separately.</p> <p>a.b.d Shall mean as before described.</p>	
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
A	<p>SUFFICIENCY OF TENDER</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 matters and things necessary for the proper completion and maintenance of the works</p>	
B	<p>RECORDS</p> <p>The Contractor shall ensure proper records are kept and maintained for : Daily Reports on Personnel and Machinery; tracked programme; site photographs in digital camera; weather charts/reports; site instruction book and query book. a digital camera shall be provided for taking progress photos</p>	
C	<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>	
D	<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>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p>MATERIALS AND WORKMANSHIP.</p> <p>All work is to be carried out in accordance with the Ministry of Works General Specifications for Building Works, 1976 Edition together with any amendments thereto.</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> <p>B SIGN FOR MATERIALS SUPPLIED.</p> <p>The Contractor will be required to sign a receipt for all articles and materials supplied by the CLIENT at the time of taking deliver thereof, as having received them in good order and condition, and will thereafter be responsible for any loss or damage and for replacements of any such loss or damage with articles and/or materials which will be supplied by the CLIENT at the current market prices including Customs Duty and V.A.T., all at the Contractor's own cost and expense, to the satisfaction of the PROJECT MANAGER</p> <p>C STORAGE OF MATERIALS</p> <p>The Contractor shall provide at his own risk and cost where directed on the site weather proof lock-up sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the PROJECT MANAGER. Nominated Sub-Contractors are to be made liable for the cost of any storage accommodation provided especially for their use.</p>	
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
<p>A SAMPLES</p>	<p>The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called for by the PROJECT MANAGER for his approval until such samples are approved by the PROJECT MANAGER and the PROJECT MANAGER may reject any materials or workmanship not in his opinion to be up to approved samples. The PROJECT MANAGER shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the PROJECT MANAGER. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Public Works.</p> <p>The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the PROJECT MANAGER. The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work.</p>	
<p>B GOVERNMENT ACTS REGARDING WORK PEOPLE ETC.</p>	<p>Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the workpeople. 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>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
A	<p>PUBLIC AND PRIVATE ROADS.</p> <p>The contractor shall maintain as required throughout the execution of the works and make good any damage to public or private roads arising from or consequent upon the execution of the works to the satisfaction of the local and other competent authority and the Project Manager.</p>	
B	<p>EXISTING PROPERTY.</p> <p>The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the Project Manager.</p>	
C	<p>OCCUPATIONAL HEALTH AND SAFETY MEASURES</p> <p>The Project Manager 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 first aid staff, access to ambulance services at all worksites and arrangement to access local hospital/dispensary with qualified medical staff.</p> <p>The Project Manager expects full compliance to this regulation and no excuses will be entertained for non-compliance.</p>	
D	<p>OCCUPATIONAL HEALTH AND SAFETY PERSONEL</p> <p>The contractor shall allow for Occupational Health and Safety personnel as directed and afford every reasonable facility for the performance of their duties.</p>	
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
	<p>A ACCESS TO SITE AND TEMPORARY ROADS.</p> <p>Means of access to the Site shall be agreed with the CLIENT 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</p> <p>B AREA TO BE OCCUPIED BY THE CONTRACTOR</p> <p>The area of the site which may be occupied by the Contractor for use of storage and for the purpose of erecting workshops, etc., shall be defined on site by the PROJECT MANAGER</p> <p>C OFFICE FOR THE PROJECT MANAGER</p> <p>The contractor shall , if so instructed, supply, maintain, service, clean and light a fully furnished, suitable office, having an approximate floor area of not less than 50 sqm for exclusive use of the project. The office shall have a sample room, a toilet and bathroom, kitchen of suitable dimensions with clean running water and electricity connected to the approval of the Project Manager.</p> <p>The Contractor shall provide, erect and maintain a lock-up type water or bucket closet for the sole use of the PROJECT MANAGER including making temporary connections to the drain where applicable to the satisfaction of Government and Medical Officer of Health and shall provide services of cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition from commencement to the completion of the works and dismantle and make good disturbed surfaces. The office and closet shall be completed before the Contractor is permitted to commence the works. The Contractor shall make available on the Site as and when required by the "PROJECT MANAGER" a modern and accurate level together with levelling staff, ranging rods and 50 metre metallic or linen tape.</p> <p>On completion of the contract, the contents of the office specified above shall revert to the Client. 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>	
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
A	<p>LIGHTING AND POWER</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>	
B	<p>WATER FOR THE WORKS</p> <p>The Contractor shall provide at his own risk and cost all necessary water required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the PROJECT MANAGER . The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost.</p> <p>The contractor is to provide clean drinking water at the construction site for his workers at all times. 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>SANITATION OF THE WORKS</p> <p>The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or Local Authorities, Labour Department and the PROJECT MANAGER He may however be allowed use of the existing sanitation facilities but shall be responsible for the proper hygienic maintenance and any damage whatsoever. No guarantees are however given regarding the adequacy of the existing services The Contractor will be required to pay all conservancy charges and shall ensure clean daily maintenance and disinfecting of the latrines, 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 Architect and local authorities.</p>	
	Carried to collection	

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

ITEM	DESCRIPTION	AMOUNT
<p>A</p>	<p>ADJUSTMENT OF P.C. SUMS.</p> <p>In the final account all P.C. Sums shall be deducted and the amount properly expended upon the PROJECT MANAGER'S order in respect of each of them added to the Contract sum. The Contractor shall produce to the PROJECT MANAGER such quotations, invoices or bills, properly receipted, as may be necessary to show the actual details of the sums paid by the Contractor. Items of profit upon P.C. Sums shall be adjusted in the final account pro-rata to the amount paid. Items of "attendance" (as previously described) following P.C. Sums shall be adjusted pro-rata to the physical extent of the work executed (not pro-rata to the amount paid) and this shall apply even though the Contractor's priced Bill shows a percentage in the rate column in respect of them. Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be if the work were executed by a Nominated Sub-Contractor.</p>	
<p>B</p>	<p>ADJUSTMENT OF PROVISIONAL SUMS.</p> <p>In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the PROJECT MANAGER's order added to the Contract Sum. Such work shall be valued , but should any part of the work be executed by a Nominated Sub-Contractor or the value of such work or articles for the work to be supplied by a Nominated Supplier, the value of such work or articles shall be treated as a P.C. Sum and profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added.</p>	
<p>C</p>	<p>NOMINATED SUB-CONTRACTORS</p> <p>When any work is ordered by the PROJECT MANAGER to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries. The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C. Sums under the description "add for Attendance".</p>	
	<p>Carried to collection</p>	

ITEM	DESCRIPTION	AMOUNT
	<p>DIRECT CONTRACTS</p> <p>A 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 and allowed.</p> <p>ATTENDANCE UPON OTHER TRADESMEN, ETC.</p> <p>B The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such cutting away for and making good after the work of such tradesmen or persons as may be ordered by the PROJECT MANAGER and the work will be measured and paid for to the extent executed at rates provided in these Bills.</p> <p>PROVISIONAL WORK</p> <p>C All work described as "Provisional" in these Bills of Quantities is subject to remeasurement in order to ascertain the actual quantity executed for which payment will be made. All "Provisional" and other work liable to adjustment under this Contract shall be 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>	
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
	<p>ALTERATIONS TO BILLS, PRICING, ETC.</p> <p>A Any unauthorized alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and will in any case be ignored. 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> <p>BLASTING OPERATIONS</p> <p>B Blasting will only be allowed with the express permission of the PROJECT MANAGER in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost in accordance with any Government regulations in force for the time being, and any special regulations laid down by the PROJECT MANAGER governing the use and storage of explosives.</p> <p>MATERIALS ARISING FROM EXCAVATIONS</p> <p>C Materials of any kind obtained from the excavations shall be the property of the Client. Unless the PROJECT MANAGER directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the PROJECT MANAGER. Should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.</p>	
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
A	<p>PROTECTION OF THE WORKS.</p> <p>Provide protection of the whole of the works contained in the Bills of Quantities, including casing , casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the PROJECT MANAGER and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Client.</p> <p>WORKS TO BE DELIVERED UP CLEAN</p> <p>Clean and flush all gutters, rainwater and waste pipes, manholes and drains, wash (except where such treatment might cause damage) and clean all floors, sanitary fittings, glass inside and outside and any other parts of the works and remove all marks, blemishes, stains and defects from joinery, fittings and decorated surfaces generally, polish door furniture and bright parts of metalwork and leave the whole of the buildings watertight, clean, perfect and fit for occupation to the approval of the PROJECT MANAGER</p> <p>GENERAL SPECIFICATION.</p> <p>For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads and Public Works and Housing General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.</p>	
	Carried to collection	

ITEM	DESCRIPTION	AMOUNT
<p>A TRAINING LEVY</p> <p>The Contractor's attention is drawn to legal notice No. 237 of October, 1971, which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than Kshs. 50,000.00 in value.</p> <p>B MATERIALS ON SITE</p> <p>All materials for incorporation in the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the PROJECT MANAGER. This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.</p> <p>C HOARDING</p> <p>The Contractor shall enclose the site or part of the works under construction with a hoarding 2400 mm high consisting of iron sheets on 100 x 50 mm timber posts firmly secured at 1800 mm centers with two 75 x 50 mm timber rails. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site.</p> <p>D CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</p> <p>The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.</p>		
	<p>Carried to Collection</p>	

ITEM	DESCRIPTION	AMOUNT
	<u>COLLECTION</u>	
	Brought Forward From Page GP/1	
	Brought Forward From Page GP/2	
	Brought Forward From Page GP/3	
	Brought Forward From Page GP/4	
	Brought Forward From Page GP/5	
	Brought Forward From Page GP/6	
	Brought Forward From Page GP/7	
	Brought Forward From Page GP/8	
	Brought Forward From Page GP/9	
	Brought Forward From Page GP/10	
	Brought Forward From Page GP/11	
	Brought Forward From Page GP/12	
	Brought Forward From Page GP/13	
	TOTAL CARRIED TO GRAND SUMMARY	

BILL NO.3
BUILDERS' WORKS

GROUND FLOOR

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p>ELEMENT NO. 1:</p> <p>Ceiling</p> <p>Carefully repair damaged sections of the existing acoustic ceiling, including removal of loose or defective panels, replacement with matching panels, reinstatement of suspension system (where required), and finishing to match the existing ceiling.(approximately 200SM)</p>		ITEM		
	Total Amount Carried to Builders Works Summary		Shs		

FIRST FLOOR

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Carefully demolish the existing masonry wall to form a staircase access opening, making good all disturbed surfaces, propping where necessary, and carting away all debris from site.(Approximately 12sm) <u>Balustrades</u> <u>Supply and fix 1200 mm high balustrading comprising 50 mm nominal diameter x 2 mm thick (5.03 kg/m) black steel pipe handrail; 2 No. 25 mm x 6 mm (1.207 kg/m) flat middle/bottom rails; 4 No. 25 mm x 25 mm x 2 mm (1.36 kg/m) x 600 mm long inter-baluster uprights with both ends welded; and 50 mm x 25 mm x 2 mm thick (2.15 kg/m) x 1200 mm high balusters fixed at 300 mm centres, one end welded to the handrail and the other built into and including 75 mm average deep mortice in concrete, all complete as specified.</u>		ITEM		
B	Balustrading to Staircase	25	LM		
C	Ditto; Ramp <u>Touch up primer, prepare and apply one undercoat and two finishing coats first quality gloss oil paint on:</u>	52	LM		
D	General surfaces of metal Ceiling	77	SM		
E	Carefully repair damaged sections of the existing acoustic ceiling, including removal of loose or defective panels, replacement with matching panels, reinstatement of suspension system (where required), and finishing to match the existing ceiling. <u>Painting & Decoration</u> <u>Skimming</u>		ITEM		
F	Carefully prepare the plastered surface by sanding and skimming with gypsum powder to achieve the smooth surface. <u>Apply three coats of premium quality silk vinyl paint to Plastered:-</u>	236	SM		
G	Walls, beams and columns	236	SM		
	<u>Carried to collection</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	<p><u>WALLING</u></p> <p><u>Approved local machine cut natural stone walling; bedded and jointed in cement and sand (1:4) mortar, reinforced with 25 x 20gauge hoop iron at every alternate course as described</u></p> <p>200mm Thick walls</p>	60	SM		
	<u>Carried to collection</u>				
	<p><u>COLLECTION</u></p> <p>Brought forward from page FF/1</p> <p>Brought forward from above</p>				
	Total Amount Carried to Builders Works Summary		Shs		

**SECOND, THIRD, FOURTH AND FIFTH
FLOOR**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>ELEMENT 1</u></p> <p><u>DEMOLITIONS</u></p> <p>A Carefully demolish the existing masonry wall to form a staircase access opening, making good all disturbed surfaces, propping where necessary, and carting away all debris from site.(Approximately 12sm)</p>		ITEM		
	Total Carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2:</u>				
	<u>Staircase finishes</u>				
	<u>Cement and sand (1:4) screed as described in:</u>				
A	30mm Thick paving finished to receive terrazzo finish (m.s)	14	SM		
B	30mm Thick ditto but to 300mm wide treads	92	LM		
C	15mm Thick ditto to 150mm High risers	92	LM		
	<u>12mm Thick cement/lime/sand (1:1:6) plaster as described on:</u>				
D	Horizontal concrete soffits of landing	14	SM		
E	Slopping ditto of stairs	23	SM		
F	Sloping open edges of staircase	17	SM		
	<u>Railling</u>				
	<u>Supply and fix 1200 mm high balustrading comprising 50 mm nominal diameter x 2 mm thick (5.03 kg/m) black steel pipe handrail; 2 No. 25 mm x 6 mm (1.207 kg/m) flat middle/bottom rails; 4 No. 25 mm x 25 mm x 2 mm (1.36 kg/m) x 600 mm long inter-baluster uprights with both ends welded; and 50 mm x 25 mm x 2 mm thick (2.15 kg/m) x 1200 mm high balusters fixed at 300 mm centres, one end welded to the handrail and the other built into and including 75 mm average deep mortice in concrete, all complete as specified.</u>				
G	Balustrading to Staircase	25	LM		
	<u>Touch up primer, prepare and apply one undercoat and two finishing coats first quality gloss oil paint as "Crown" or other equal and approved manufacturer on:</u>				
H	General surfaces of metal	25	SM		
	<i>Total Amount Carried to Section Summary.</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 3:</u>				
	<u>RAMP FINISHES</u>				
	<u>20 mm Thick cement sand screed (1:3) including 20 x 4 mm Thick plastic terrazzo strips to approved pattern to receive terrazzo (m/s) ;for</u>				
A	Backing to ramp to receive Terrazzo (m.s)	105	SM		
B	Ditto; landing.	12	SM		
C	20 x 100 mm Skirting	105	LM		
	<u>12mm Thick cement/lime/sand (1:1:6) plaster as described in:</u>				
D	Soffits of landing	12	SM		
E	Ditto sloping exceeding 15° from horizontal	105	SM		
F	Sloping open edges of Ramp	52	SM		
	<u>Balustrades</u>				
	<u>Supply and fix 1200 mm high balustrading comprising 50 mm nominal diameter x 2 mm thick (5.03 kg/m) black steel pipe handrail; 2 No. 25 mm x 6 mm (1.207 kg/m) flat middle/bottom rails; 4 No. 25 mm x 25 mm x 2 mm (1.36 kg/m) x 600 mm long inter-baluster uprights with both ends welded; and 50 mm x 25 mm x 2 mm thick (2.15 kg/m) x 1200 mm high balusters fixed at 300 mm centres, one end welded to the handrail and the other built into and including 75 mm average deep mortice in concrete, all complete as specified.</u>				
G	Balustrading to Staircase	20	LM		
H	Balustrading to Ramp.	52	LM		
I	Balustrading to Atrium	30	LM		
	<u>Touch up primer, prepare and apply one undercoat and two finishing coats first quality gloss oil paint on:</u>				
J	General surfaces of metal	60	SM		
	<i>Total Amount Carried to Section Summary.</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.4</u>				
	<u>DOORS</u>				
	<u>Frames & Finishings</u>				
	<u>Supply and fix Wrot Mahogany; plugged, screwed and pelleted</u>				
A	150 x 50mm frame with three labours : moulded screwed and pelleted.	90	LM		
B	150 x 45mm thick transome with four labours	35	LM		
D	Architrave to detail size, 75 x 25mm	90	LM		
E	Quadrant bead, diameter 25mm	90	LM		
	<u>Solid Flush doors</u>				
	<u>Supply and Fix 45 mm (finished) solid core flush door faced on both sides with 5mm Thick mahogany veneer and 15 mm x 15 mm hardwood beadings pinned and glued to door on both faces to form grids to architect's details and approval: hardwood lipped on all edges to approval:</u>				
F	Single leaf door size 800 x 2100mm High.	16	NO		
G	Single leaf door size 700 x 2100mm High. Duct doors	2	NO		
	<u>Ironmongery</u>				
	<u>Supply and fix the following ironmongery including all necessary matching screws.</u>				
H	Heavy duty stainless steel hinges with washers	27	PRS		
J	40mm Diameter rubber door stops	18	NO		
K	2-Lever High quality mortice lock complete with pair of brass lever handleas	18	NO		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Knot, prime, stop prepare and apply one undercoat and two finishing coats of 'Two Pack' polyurethane varnish as crown paints or other equal and approved manufacturer</u>				
A	General surfaces of wood work (m.o.b.s)	130	SM		
B	Frames; over 100mm-200mm girth;	90	LM		
C	Frames not exceeding 100mm girth; internal.	90	LM		
	<u>Prime backs of wood before fixing with aluminium or other approved primer on:</u>				
D	Surfaces exceeding 100- 200 mm girth	90	LM		
CARRIED TO COLLECTION					
<u>COLLECTION</u>					
Brought forward from page SF/4					
Brought forward from above					
TOTAL CARRIED TO SECTION SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.5</u>				
	<u>FINISHES:</u>				
	<u>INTERNAL FINISHES:</u>				
	<u>FLOOR FINISHES</u>				
	<u>Cement and sand (1:3) as described in:</u>				
A	30 mm Thick screed to receive ceramic floor tiles(measured separately)	1543	SM		
B	Ditto; to receive non-slip floor tiles finish <u>Non-slip floor tiles</u> <u>Supply and fix Non-slip Ceramic floor 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>	79	SM		
C	300X 600x 10 mm Thick to floor <u>12 mm (minimum) two-coat plaster; 9 mm first coat of cement and sand (1:6), 3 mm second coat of cement and lime putty (1:10); steel trowelled smooth to:</u>	1622	SM		
D	Wall, beams and columns	3462	SM		
E	Reveals not exceeding 100mm girth	387	LM		
F	Horizontal soffites of concrete slab	1622	SM		
	<u>Wall tiles</u>				
	<u>Backing; cement and sand 1:3 with approved integral dust proofing additive wood floated</u>				
G	15 mm Thick to receive ceramic tiles(m/s) <u>300 x 300 x 8 mm Thick coloured Ceramic wall tiles or other equal and approved: jointed and pointed with matching cement mortar as described on:</u>	180	SM		
H	Walls	180	SM		
	TOTAL CARRIED TO SECTION SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.6</u>				
	<u>JOINERY,FITTINGS AND FIXTURES</u>				
	<u>Vibrated reinforced concrete</u>				
A	75mm Thick Suspended slabs.	12	SM		
B	Fabric mesh reinforcement to B.S. 4483 ref: A142 weighing 2.22 kg/sm:	12	SM		
	<u>Fair Face formwork: to</u>				
C	Soffits of slabs	12	SM		
D	Edges of slabs,etc not exceeding 75mm High	12	LM		
E	Boxing to form pocket,size 500 x 400 x 75mm	11	NO		
	<u>Solid concrete block walling in cement mortar</u>				
F	100mm Thick Walling	8	SM		
G	18mm Thick Rendering to top of slab finished with a steel trowel.	12	SM		
	<u>Plaster: 9mm first coat of cement, lime putty and sand (1:2:9); 4mm second coat of cement lime putty and sand (1:1:6); Steel trowelled</u>				
H	Plaster to soffits	12	SM		
	<u>Ceramic tiles</u>				
J	10mm Thick ceramic tiles in approved colour fixed of Concrete to shape and set in one piece to the approval of architects	12	SM		
K	Ditto;but fascia 250mm wide	12	LM		
L	Circular balustrades 1200 mm high (composite): comprising mild steel tubes — 50 mm diameter x 3 mm thick top handrail; welded to 38 mm diameter vertical stanchions at 600 mm centres; with 25 mm diameter horizontal intermediate rails at 150 mm spacing; including all fixing lugs, welding, grinding smooth, and one coat red oxide primer; all complete as per Architect's drawings.	50	LM		
M	Prepare and apply one coat red oxide primer, one undercoat, and two finishing coats gloss oil paint to mild steel balustrades.	75	SM		
	TOTAL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.7</u>				
	<u>BUILDER'S WORKS IN CONNECTION WITH SPECIALI ST SERVICES (provisional)</u>				
	<u>PLUMBING & INTERNAL DRAINAGE</u>				
A	Chase and make good wall or floor for small pipes	20	LM		
B	Ditto for large pipes	10	LM		
C	Build large pipe through 200mm wall including sleeve and make good	20	NO		
D	Build small pipe through 150mm wall including sleeve and make good	20	NO		
E	Build large pipe ditto	20	NO		
F	Build small pipe through 100mm wall ditto	30	NO		
G	Ditto large pipe ditto	40	NO		
H	Make or leave hole for large pipe through 150mm thick suspended slab	30	NO		
J	Build large pipe through 150mm floor bed and make good disturbed areas	20	NO		
	<u>ELECTRICAL, SECURITY AND SIGNAGE INSTALLATION</u>				
K	25 x 25mm deep chase in solid concrete block or stone walling for conduits	100	LM		
L	50 x 50mm deep ditto	100	LM		
M	75 x 75 x 50 mm deep recess in solid concrete block or stone walling for switches, sockets ets	100	NO		
N	300 x 200 x 150mm ditto for submain cables	6	NO		
P	450 x 300 x 100mm ditto for distribution boards	6	NO		
Q	25x25x2mm frame work	50	LM		
	<u>12.5mm thick gypsum board in</u>				
R	Boxing to pipes	5	SM		
S	Prepare and spray paint three coats of gloss oil paint on: General surfaces of wood	10	SM		
	<i>Total Amount Carried to Section Summary</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SECTION SUMMARY:</u>				
	<u>Element No:</u>				
		<u>Page No</u>			
1	DEMOLITIONS	SF/1			
2	STAIRCASE	SF/2	Shs		
3	RAMP FINISHES	SF/3	Shs		
4	DOORS	SF/5	Shs		
5	FINISHES	SF/6	Shs		
6	JOINERY,FITTINGS AND FIXTURES	SF/7	Shs		
7	BUILDER'S WORKS IN CONNECTION WITH SPECIALIS T SERVICES (provisional)	SF/8	Shs		
	SUB TOTAL FOR 1 FLOOR		Shs		
	MULTIPLY BY 4 NO FLOORS (2ND, 3RD, 4TH, & 5TH)	X4			
	Total Amount Carried to Builders Works Summary		Shs		

ALUMINIUM WORKS

ITEM	DESCRIPTION	QTY	UNIT	RATE(Sh)	COST (Sh)
	<u>ELEMENT NO. 1</u>				
	<u>PARTITIONS AND SCREENS</u>				
	<u>ALUMINUM PARTITIONS</u>				
A	100 mm thick x 3900 mm high glazed partition comprising 100 x45 mm heavy duty powder coated aluminum framework of approved colour and beadings to BS10 B15 spaced approximately 1200mm; vertically divided in four parts comprising MDF board 1200mm high bottom panel; 900mm high lower middle panel; 900mm high upper panel and 900mm high top panel all glazed with and including 6mm thick laminated clear sheet glass and complete with approved obscure film (M.S)	780	SM		
B	25 x 25 x 2mm thick aluminum angle glazing channels screwed to aluminum frame (m/s)	4378	LM		
C	25 x 25 x 2mm thick square hollow section aluminum glazing bead ditto	4378	LM		
D	Approved sandblasted decorative film 75 x 75 mm square patterns	424	SM		
E	Window overall size 4000 x 3000 mm high: 10 No. mullions: 4 No. transomes : 2 No. openable top hungs size 900 x 800 mm high : 20 No. fixed panels size 900 x 800 mm high.	2	NO		
F	Approved aluminum window closing system to match the existing	200	NO		
G	2400 x 1500 mm aluminum door complete with all accessories, door closer, hinges and lock to match the existing	30	NO		
H	Aluminum window louvers 600 x 900 mm to match the existing	30	NO		
	TOTAL CARRIED TO BUILDERS WORKS SUMMARY				

POWER HOUSE

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 1</u>				
	<u>SUBSTRUCTURE WORKS</u>				
	Excavation and earthwork				
A	Clear site of grass, bushes, shrubs, and small trees not exceeding 300 mm girth, including grubbing up of roots and burning or carting away all arisings.	90	SM		
	<u>EXCAVATIONS AND EARTHWORKS:</u>				
B	Excavate topsoil to remove vegetable soil to an average depth of 200 mm and deposit as directed.	90	SM		
C	Mass excavation commencing at stripped level to a depth not exceeding 1.5 metres, and cart away excavated material as directed by the Project Manager.	90	CM		
D	Excavate for strip footing foundations from reduced levels to depths not exceeding 1.50 metres.	26	CM		
E	Excavate for column bases from reduced levels to depths not exceeding 1.5 metres.	17	CM		
F	<u>Extra over</u> all descriptions of excavations for breaking up and removing rock, irrespective of class, and carting away from site as directed.	4	CM		
	<u>Disposal</u>				
G	Return, fill, and ram with selected and suitable excavated material in and around foundations.	42	CM		
H	Load and cart away surplus excavated materials from site to a dumping site approved by the Local Authority.	96	CM		
J	Allow for keeping excavations free from all water by pumping or otherwise	1	Item		
K	Allow for plunking and strutting sides of excavation trenches	1	Item		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Fillings</u>				
A	Approved hardcore fill; well watered and compacted in 150mm thick layers to approval.	81	CM		
B	Imported murrum backfill beneath hardcore, watered and machine - compacted in layers not exceeding 100mm thick.	72	CM		
C	50mm thick quarry dust blinding on surfaces of hardcore	89	SM		
	Anti-termite treatment				
	<u>Chemical anti-termite treatment applied as per the manufacturer's printed instructions to:</u>				
D	Surface of filling	89	SM		
	Concrete work				
	<u>50mm plain concrete blinding class 10 to:</u>				
E	Foundation trench	32	SM		
F	Column bases	15	SM		
	<u>Vibrated reinforced concrete (class 25/20 mm) in:</u>				
G	Strip foundation bases	6	CM		
H	Columns bases	5	CM		
J	Columns	5	CM		
K	150mm Thick slab	89	SM		
L	Ditto; Access Ramps	24	SM		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Deformed high yield steel ribbed bars reinforcement to KS 2712:2017 for cutting, bending, hoisting and fixing including all necessary tying wires, distance blocks, spacers, templates and stools</u>				
A	8mm Diameter bars	471	KG		
B	10mm Diameter bars	778	KG		
C	12mm Diameter bars	320	KG		
	<u>Double layer Fabric; reference A142 mesh; 200 x 200 mm; weighing 2.22 kg per square metre; B.S. 4483; including 400 mm laps, bends, tying wire and spacer blocks; to:</u>				
D	Floor bed	113	SM		
	Formwork				
	<u>Fair faced finished formwork as marine board or equal and approved :</u>				
E	Sides of strip foundation bases	22.00	SM		
F	Sides of column bases	29	SM		
G	Sides of columns	10	SM		
H	Edges of slab over 75mm but not exceeding 150mm thick	47	LM		
	<u>Polythene sheeting ; 500 gauge; 150 mm laps; laid on:</u>				
J	Surfaces of hardcore filling	113	SM		
	Foundation walling				
	<u>Approved local natural stone walling with a compressive strength of 7.0 N/mm² (Class A1); bedded and jointed in cement and sand (1:4) mortar, reinforced with 25mm x 20-gauge hoop iron at very alternate course as described in:</u>				
K	200 mm Thick walls	69	SM		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Cable Reticulation Trenches</u>				
A	500 x 500mm deep (average internally) reinforced concrete class 25 open drain in 200mm bed and 50mm concrete wall, including necessary reinforcements and waterproofing to approval	27	LM		
	<u>Mild steel grating</u>				
B	500mm wide purpose made mild steel grating comprising 50x50x4mm angle framing and 6mm dia. anchor; 4 mm thick chequered plate weld on 50x50x4mm angle painted in three coats gloss oil paint to approval	27	LM		
	<u>Service reticulation Manholes</u>				
C	Manhole internal size 800 x 800mm x 1200m deep, comprising of plain concrete class 15 in 150mm thick base slab, 200mm thick solid concrete block walling, 2mm Thick cement sand rendering to sides and bottoms, including all necessary excavations, formwork and reinforcement.	2	NO		
	<u>Manhole covers</u>				
D	800x800x50mm thick precast concrete manhole cover comprising 50x50x4mm double angle framing painted in three coats gloss oil paint to approval	2	NO		
	<u>12 mm Thick cement and sand (1:3) wood float render on:</u>				
E	Dressed stone wall and concrete surfaces of plinths.	15	SM		
	<u>Prepare and apply three coats bituminous paint to rendered plinths</u>				
F	Rendered plinth surfaces.	15	SM		
	Carried to collection				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUBSTRUCTURE WORKS</u>				
	<u>COLLECTION</u>				
	Carried from page PH/1				
	Carried from page PH/2				
	Carried from page PH/3				
	Carried from page PH/4				
	Total Element 1 - Substructures Carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 2</u> <u>FRAME</u>				
	Concrete Works				
	<u>Vibrated reinforced concrete (class 25/20 mm) in:</u>				
A	Columns	3	CM		
B	Ring beams	6	CM		
C	Raised platform	5	CM		
	Reinforcement				
	<u>Deformed high yield steel ribbed bars reinforcement to KS</u> <u>573: 2014 for cutting, bending, hoisting and fixing</u> <u>including all necessary tying wires, distance blocks,</u> <u>spacers, templates and stools</u>				
D	10mm Diameter bars	272	KG		
E	12mm Diameter bars	274	KG		
F	16mm Diameter bars	195	KG		
	Formwork				
	<u>Sawn formwork to:-</u>				
G	Sides of columns	27	SM		
H	Sides and soffits of beams	59	SM		
J	Sides of raised platform	4	SM		
	Total Element 2 - Frame Carried to Summary				

ITEM	DESCRIPTION	UNIT	QTY	RATE	COST
	ELEMENT NO. 3 CONCRETE WORKS IN POWER HOUSE ROOF SLAB <u>Vibrated reinforced concrete (1:2:4)</u> <u>as described in:</u>				
A	Beams	CM	7.5		
B	upstand beam	CM	2		
C	Columns	CM	1		
D	150mm Thick suspended floor slab.	CM	20		
E	Ditto over sinking and making good <u>REINFORCEMENT (ALL PROVISIONAL)</u> <u>- High yield square twisted bars to BS 4461</u> <u>in:-</u>	CM	5		
F	- 8mm Diameter	KG	160		
G	10mm Diameter	KG	1582		
H	16mm Diameter <u>FORMWORK</u> <u>Sawn formwork as described to:-</u>	KG	450		
I	Side and soffits of beams and suspended slabs	SM	24		
J	- Sides of columns	SM	12		
K	Horizontal soffits of suspended slabs	SM	100		
	<u>TOTAL CARRIED TO COLLECTION</u>			Kshs	

ITEM	DESCRIPTION	UNIT	QTY	RATE	COST
	<u>WATER PROOFING</u>				
A	APP sheeting laid with 150mm laps (measured net - No allowance made for laps) including 400mm high upstand wall	SM	150		
B	450 x 20 x 3mm thick mild steel hoop iron built one end into concrete columns and the other end into stone walling <u>Cement and sand (1:3) render as described in:-</u>	ML	50		
C	13mm Thick with wood float finish to vertical surfaces <u>Prepare and apply three coats first grade plastic emulsion paint as described on:-</u>	SM	20		
D	Vertical rendered surfaces	SM	20		
	<u>Precast concrete paving slabs</u>				
E	600 x 600 x 50mm Thick precast concrete paving slabs laid on and including 50mm Thick sand bed, jointed and pointed in cement and sand(1:4) mortar	ML	40		
	<u>TOTAL CARRIED TO COLLECTION</u>			Kshs	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>COLLECTION</u></p> <p>Carried from page PH/7</p> <p>Carried from page PH/8</p>				
	<p>Total Element 3 - Roof Carried to Summary</p>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 4</u>				
	<u>WALLING</u>				
	External walling				
	<u>Approved local machine cut natural stone walling; bedded and jointed in cement and sand (1:4) mortar, reinforced with 25 x 20gauge hoop iron at every alternate course as described</u>				
A	200mm Thick walls	165	SM		
	<u>Precast concrete louvered blocks jointed and bedded in cement sand (1:4); including copper wire tray fixed on to the wall block; to approved pattern and colour</u>				
B	200mm Thick walls	75	SM		
	Internal walling				
	<u>Approved local machine cut natural stone walling; bedded and jointed in cement and sand (1:4) mortar, reinforced with 25 x 20gauge hoop iron at every alternate course as described</u>				
C	200mm Thick walls	60	SM		
	<u>Three- ply bituminous felt damp proof course (DPC) bedded in cement ans sand (1:3) mortar (measured net, no allowance for laps):-</u>				
D	200mm Thick wide DPC	80	LM		
	Total Element 4 - Walling Carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 5</u>				
	<u>DOORS</u>				
	<i>Note: All doors as per Architect's door schedule</i>				
	<u>Steel casement doors</u>				
	<u>Supply, assemble and fix the following purpose made standard section steel Door to comply to B.S.990,obtained from an approved manufacturer, primed with red oxide primer before delivery to site complete with, hinges, handles, catches and building in lugs with the frames fishtailed and grouted to concrete block wall or concrete head;Complete:</u>				
A	Door overall size 2340 x 2970mm High	1	NO		
B	Ditto:2340 x1500 mm High	1	NO		
C	Ditto:2370 x2340 mm High	2	NO		
D	Louvered Door overall size 1000 x2300 mm High	3	NO		
	<u>Prepare , Prime and apply one undercoat and two finishing coats of gloss oil paint on :-</u>				
E	General metal door surfaces (both sides measured)	57	SM		
	Total Element 5 - Doors				
	Carried to Summary of Elements				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 6</u>				
	<u>FINISHES</u>				
	Floor finishes				
A	40 mm Thick powerfloated screed; trowelled smooth and finished with concrete floor red oxide paint as per manufacturer's instructions; to floors	113	SM		
B	Ditto to sides of raised platform	5	SM		
	External wall finishes				
	<u>15mm Thick cement and sand (1:3) render finished smooth with steel trowel to:</u>				
D	Masonry and concrete surfaces; Externally	165	SM		
	<u>Prepare and apply three coats of premium approved quality silk vinyl paint to:-</u>				
E	Rendered surfaces; Externally	165	SM		
	Internal Wall finishes				
	<u>9mm thick first coat cement and sand (1:4) plaster; 3mm thick second coat of cement and lime putty (1:5); steel trowel finish; to</u>				
F	Masonry and concrete surfaces	262	SM		
	<u>Skimming</u>				
G	Carefully prepare the plastered surface by sanding and skimming with gypsum powder to achieve the smooth surface.	262	SM		
	<u>Prepare and apply one universal under coat and two finishing coats of approved 1st quality emulsion paint to</u>				
H	Plastered surfaces	262	SM		
	Total Element 6 - Finishes Carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SUMMARY</u>	<u>PAGE</u>			
1	SUBSTRUCTURE WORKS	PH/5			
2	FRAME	PH/6			
3	ROOFING AND RAINWATER DISPOSAL	PH/9			
4	WALLING	PH/10			
5	DOORS	PH/11			
6	FINISHES	PH/12			
Total Amount Carried to Builders Works Summary					

PUMP ROOM

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 1:</u>				
	<u>SUBSTRUCTURES</u>				
	<u>All Provisional</u>				
	<u>Site Preparation</u>				
A	Clear site of grass, bushes, shrubs, and small trees not exceeding 300 mm girth, including grubbing up of roots and burning or carting away all arisings.	8	SM		
	<u>EXCAVATIONS AND EARTHWORKS:</u>				
B	Excavate topsoil to remove vegetable soil to an average depth of 200 mm and deposit as directed.	8	SM		
C	Mass excavation commencing at stripped level to a depth not exceeding 1.5 metres, and cart away excavated material as directed by the Project Manager.	12	CM		
D	Excavate for strip footing foundations from reduced levels to depths not exceeding 1.50 metres.	2	CM		
E	Excavate for column bases from reduced levels to depths not exceeding 1.5 metres.	2	CM		
F	<u>Extra over</u> all descriptions of excavations for breaking up and removing rock, irrespective of class, and carting away from site as directed.	1	CM		
G	<u>Extra over</u> for levelling and compacting the bottoms of excavations to receive concrete.	11	SM		
H	Allow for keeping excavations free from water and mud by pumping, bailing, or other approved methods as necessary.		ITEM		
J	Allow for maintaining and supporting the sides of all excavations and for keeping them free from fallen material.		ITEM		
	<u>CARRIED TO COLLECTION</u>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Disposal:</u>				
A	Return, fill, and ram with selected and suitable excavated material in and around foundations.	6	CM		
B	Load and cart away surplus excavated materials from site to a dumping site approved by the Local Authority.	12	CM		
	<u>Filling:</u>				
C	300mm Thick Approved hand-packed hardcore filling to make up levels, compacted in layers not exceeding 150 mm thick, to the satisfaction of the Structural Engineer.	8	SM		
D	Approved imported murrum filling to make up levels, compacted in layers not exceeding 150 mm thick, to the satisfaction of the Structural Engineer.	6	CM		
E	50 mm thick quarry dust blinding to surfaces of hardcore filling, levelled and compacted to the approval of the Structural Engineer.	8	SM		
	<u>Anti-Termite Treatment:</u>				
F	Insecticide treatment on top of blinded hardcore and over foundation walls applied as per manufacturer's instruction with a 10 year guarantee .	8	SM		
	<u>Damp proof mebrane</u>				
G	Single layer of 1000 gauge polythene sheeting laid on blinded hardcore with 150 mm side laps, to receive concrete.	8	SM		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>CONCRETE WORKS:</u>				
	<u>Plain concrete (1:3:6) in:-</u>				
A	50 mm Thick blinding in column bases.	4	SM		
B	Ditto: strip footing.	7	SM		
	<u>Vibrated Reinforced Concrete Class 25 in:-</u>				
C	Column bases	2	CM		
D	Foundation Columns.	1	CM		
E	Strip footing foundations	2	CM		
F	Entrance steps at ground floor.	1	CM		
G	200 Thick entrance ramps ground floor.	1	SM		
H	150 mm Thick horizontal floor bed	8	SM		
	<u>REINFORCEMENT STEEL (Provisional):</u>				
	<u>Deformed high yield ribbed bars reinforcement to BS 4449: 1997 with a yield strength of 460 N/mm², cut, bent, and fixed as directed. Tenderers to allow in their unit rate for cutting, bending, hoisting, and fixing, including all necessary tying wires, distance blocks, templates, and spacer stools.</u>				
J	8 mm bars.	99	KG		
K	10 mm ditto.	149	KG		
L	12 mm ditto.	50	KG		
M	Assorted bars 16-32mm.	198	KG		
	<u>B.R.C. Mesh</u>				
N	Mesh fabric reinforcement complying with B. S 1483Ref A142 embedded in floor slab (measured net with no allowance for minimum of 225mm. laps) including tying wire and supporting as required.	8	SM		
P	Ditto ramp ditto.	1	SM		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	FORMWORK				
	<u>Fair faced finished formwork as marine board or equal and approved :</u>				
A	Sides of column bases.	7	SM		
B	Vertical sides of Foundation Columns.	5	SM		
C	Strip footing foundations	5	SM		
D	Edges of floor bed girth 75 - 150 mm High	11	LM		
E	Edges of risers girth 75 - 150 mm girth for the Entrance steps.	2	LM		
F	Edges of ramp girth 150-225 mm girth.	1	LM		
	<u>Foundation Walling</u>				
	<u>200mm Thick approved natural stone; local; roughly squared to foundation walling; bedding and jointing in cement sand (1:3) mortar and reinforced with 25mm wide x 20 gauge hoop iron in alternate courses as described in:</u>				
G	200 mm Thick Walling	17	SM		
	<u>PLINTH FINISHES</u>				
	<u>12 mm Thick cement and sand (1:3) wood float render on:</u>				
H	Dressed stone wall and concrete surfaces of plinths.	6	SM		
	<u>Prepare and apply three coats bituminous paint to rendered plinths</u>				
J	Rendered plinth surfaces.	6	SM		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>COLLECTION</u>				
	Brought forward from page PR/1				
	Brought forward from page PR/2				
	Brought forward from page PR/3				
	Brought forward from page PR/4				
	<i>Amount carried to summary</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 2:</u>				
	<u>REINFORCED CONCRETE WORK:</u>				
	<u>CONCRETE WORK:</u>				
	<u>Vibrated reinforced concrete Class 25 as described in:</u>				
A	Ring Beams	1	CM		
B	Columns	1	CM		
C	175 mm Thick suspended floor slab	8	SM		
	<u>Deformed high yield ribbed bars reinforcement to BS 4449: 1997 with a yield strength of 460 N/mm², cut, bent, and fixed as directed. Tenderers to allow in their unit rate for cutting, bending, hoisting, and fixing, including all necessary tying wires, distance blocks, templates, and spacer stools.</u>				
D	8 mm diameter bars	47	KG		
E	10 mm diameter bars	47	KG		
F	12 mm ditto	66	KG		
G	16 mm ditto	115	KG		
	<u>Formwork</u>				
	<u>Fair faced finished formwork as marine board or equal and approved :</u>				
H	Sides and soffits of Ring beams	13	SM		
J	Sides of columns	10	SM		
K	Soffits of suspended slab	8	SM		
L	Edges of slab over 75mm but not exceeding 150mm wide	11	LM		
	<i>Amount carried to summary</i>				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO. 3</u>				
	<u>WALLING</u>				
	<u>Approved Natural local stone of the approved colour; squared ; bush hammered ; in 200mm course heights, bedded and jointed in cement sand mortar (1:3), reinforced with 20 gauge x 25mm wide hoop iron reinforcement and column wall ties in every alternate course</u>				
A	200 mm Thick walling.	18	SM		
	<u>Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):-</u>				
B	200mm wide under walls	11	LM		
	<u>Precast concrete louvered blocks jointed and bedded in cement sand (1:4); including copper wire tray fixed on to the wall block; to approved pattern and colour</u>				
C	200mm Thick walls	4	LM		
	Total Amount Carried to Summary				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.4</u>				
	<u>ROOF CONSTRUCTION</u>				
	<u>FLAT ROOF FINISHES</u>				
	<u>WATER-PROOFING:</u>				
	<u>Roofing screed in cement, sand and pumice (1:3:1) finished with 10mm layer of cement and sand (1:4) topping laid on concrete slab and finished to receive APP bituminous membrane (m.s) as decribed:</u>				
A	50mm (Average) screed to sloping roof slab, laid to falls and crossfalls to receive water proofing membrane.	8	SM		
B	50 x 50mm (Extreme) angle fillet to walls : including fillet to columns	11	LM		
C	Extra over screeding for dishing finish around rainwater outlet not exceeding 100 mm diametre.	2	NO		
	<u>APP modified roofing membrane or other equal and approved with surface finish weighing 4kg/sm; laid on primer with torch-on process from an approved manufacturer; finish to horizontal terraces to falls and crossfalls : all executed by a specialist under 10 years guarantee : as described</u>				
D	4mm on smooth screeded roof laid in one layer	8	SM		
E	Dressing and sealing around 200mm diameter roof outlets	1	NO		
F	25 mm Thick screed laid over waterproofing membrane; finished to receive tiles (m.s)	8	SM		
F	100 mm diameter cast iron 'Fulbora' outlet as Key Terrain by Crown Paints Ltd or other equal and approved including joint to downpipe (m.s) and casing into concrete slab	1	NO		
G	100mm diameter downpipe fixed with and including holderbats plugged to walls	1	LM		
	TOTAL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<p><u>ELEMENT NO.5</u></p> <p><u>DOORS</u></p> <p><u>Supply and fix Purpose made steel door comprising 100 x 50 x 3 mm thick RHS external frame fishtailed grouted into concrete/block/masonry walling; with 100 x 50 x 3mmthick SHS internal surround frames; 50 x 50 x 2mm SHS verticals at 600mm centres and horizontals at 638mm centres; infilled with 18 gauge mild steel diamond shape pressed metal plates; bearing type heavy duty pin type hinges; tower bolts, cleats, cleat boxes, pull handles, 300mm long mild steel slide bolt and 4 mm thick steel hasp and staple; all welding, ground to a smooth finish including for priming door with one coat red oxide primer; all necessary approved ironmongery; top 8No. panels infilled with 18 gauge cranked louvres fixed at 45 degrees at 60 mm centres including two undercoat and one gloss finishing enamel paint to metal work all to architect's details and approved sample to approval.</u></p> <p>A Overall size 900 x1800mm High</p> <p><u>Prepare touch up primer and apply two undercoats and one finishing coat gloss oil paint on metal:</u></p> <p>B General surfaces :</p>	1	NO		
	TOTAL CARRIED TO SECTION SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT NO.6</u>				
	<u>FINISHES:</u>				
	<u>INTERNAL FINISHES:</u>				
A	40 mm Thick powerfloated screed; trowelled smooth and finished with concrete floor red oxide paint as per manufacturer's instructions; to floors	8	SM		
	<u>12 mm (minimum) two-coat plaster; 9 mm first coat of cement and sand (1:6), 3 mm second coat of cement and lime putty (1:10); steel trowelled smooth to:</u>				
B	Walls	44	SM		
C	Soffites of Slab.	30	SM		
	<u>Painting & Decoration</u>				
D	Carefully prepare the plastered surface by sanding and skimming with gypsum powder to achieve the smooth surface.	74	SM		
	<u>Apply three coats of premium quality silk vinyl paint to Plastered:-</u>				
E	Walls	44	SM		
F	Soffites of Slab.	30	SM		
G	Horizontal recessed key pointing on masonry walling in 10mm Thick cement sand mortar (1:3).	18	SM		
	<u>Render; 18mm Thick, 1 No. coatwork of cement and sand (1:3); wood floated to concrete or stone work base generally to: -</u>				
H	Beams.	5	SM		
	<u>Textured external wall finish; specialist applied; as "Ruff & Tuff " or equal and approved; pattern and colour as selected by the architect applied with a steel trowel or roller by specialist on backing render (m.s).</u>				
J	Rendered stone wall and concrete surfaces	5	SM		
	TOTAL CARRIED TO SECTION SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>SECTION SUMMARY:</u>				
	<u>Element No:</u>	<u>Page No</u>			
1	SUBSTRUCTURES (ALL PROVISIONAL)	PR/5	Shs		
2	REINFORCED CONCRETE WORKS	PR/6	Shs		
3	WALLING	PR/7	Shs		
4	ROOF CONSTRUCTION	PR/8	Shs		
5	DOORS	PR/9	Shs		
6	FINISHES	PR/10	Shs		
	TOTAL CARRIED TO BUILDERS WORKS SUMMARY PAGE		Shs		

BUILDER'S WORKS SUMMARY

ITEM	DESCRIPTION	PAGE NO.	AMOUNT
	<u>SUMMARY OF BUILDERS WORKS</u>		
A	GROUND FLOOR	GF/1	
B	FIRST FLOOR	FF/2	
C	SECOND, THIRD, FOURTH AND FIFTH FLOOR	SF/9	
D	POWER HOUSE	PH/13	
E	PUMP ROOM	PR/11	
F	ALUMINIUM WORKS	AL/01	
	TOTAL CARRIED TO GRAND SUMMARY		

GRAND SUMMARY

GRAND SUMMARY

ITEM	DESCRIPTION	PAGE NO.	FOR TENDERER USE ONLY	FOR OFFICIAL USE ONLY
			KSHS.	KSHS.
	<u>GRAND SUMMARY</u>			
1	PARTICULAR PRELIMINARIES	PP /12		
2	GENERAL PRELIMINARIES	GP /14		
3	BUILDERS WORK	BS/1		
4	PLUMBING AND DRAINAGE WORKS	E/32		
5	AIR CONDITIONING AND MECHANICAL VENTILATION INSTALLATION WORKS	MVAC/16		
5	ALLOW CONTINGENCY OF KSH 2 MILLION TO BE SENT AT DISCRETION OF CLIENT		2,000,000	
GRAND TOTAL CARRIED TO FORM OF TENDER (INCLUSIVE OF ALL THE APPLICABLE TAXES AND LEVIES)				

AMOUNT:IN WORDS:.....

SIGNED:
 (**TENDERER'S NAME**)

Address:

Tel No:

Date:

SIGNED:
 (**WITNESS'S NAME**)

Address:

Tel No:

Date: