CHUKA UNIVERSITY

PROPOSED MAIN LIBRARY COMPLEX (PHASE 2) AT CHUKA UNIVERSITY

VOLUME TWO
(Building and Associated Civil Engineering Works) Bills of Quantities

Tender Number: CU / OPNT / 08 / 2020-2021.

POSTAL ADDRESS	TELEPHONE
Chuka University	020 2310512 / 8
P. O. Box 109 - 60400	0715505 858
CHUKA	0731620 266

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November, 2021

IMPETUS COST CONSULTANT LTD
Quantity Surveyors and Building Economists
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PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

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BILLS OF QUANTITIES

Supplied as part of the contract for the Construction and Completion of the Proposed Main Library Complex for Chuka University.

Prepared and issued by :-

Impetus Cost Consultant Limited
Project Quantity Surveys
P. O. Box 22006 - 00100,
NAIROBI.

The Contract for the above works entered into on the ..... day of ..... year ……., by the undersigned parties refers to these Bills of Quantities consisting of those pages numbered on the index page (ii) which shall be read and construed as part of the said contract.

Signed (Employer) **……..**

Date **……**

……
(authorised signatory)

Signed (Contractor) **……..**

Date **……**

……
(authorised signatory)

Carried to Final Summary Ksh

Section No. 1
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M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

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	PREAMBLES	
	1. The method of measurement of completed work for payment shall be in accordance with **Standard Method of Measurement for Buiding Works (SMM)**	
	The Site is situated in ***Ndagani area 2 km from Chuka Town***. It is approximately ***170 Kilometers*** from Nairobi. Access to the site shall be through **Nairobi – Chuka** which is an existing public road. Any damage caused to the surfaces of this road shall be made good at the Contractor's expense. The Contractor shall visit the site and acquaint itself with its nature and position, the nature of the ground, substrata and other local conditions, positions of existing power, water and other services, access roads or any other limitations that might affect his cost or progress. No claim for extras shall be considered on account of lack of knowledge in this respect.	
	2. The Contractor shall obtain the Architect's approval on the siting of all temporary buildings, spoil heaps, temporary access path, and storage of materials. The Contractor shall also obtain the Architect approval and direction regarding the use of any materials found on the Site.	
	3. The drawings used in the preparation of these Bills of Quantities can be inspected at the offices of the Procuring Entityor Procuring Entity's Representative during normal working hours. Two sets of the Working Drawings shall be provided to the contractor but additional copies shall be provided at a cost to be determined by the Engineer.	
	4. The Contractor shall allow for the payment of all bank charges in connection with the procurement of Bank Guarantees and stamp charges in connection with this contract Agreement.	
	5. The Contractor shall carry out the various sections of the Works in such an order as the Architect May direct. The Procuring Entity reserves the right to occupy the Works by sections on completion provided that such occupation is considered to be both practical and reasonable and will not interfere with the Works. The Contractor shall allow any costs associated with such occupation.	
	6. The main Contractor will be fully responsible for paying his Sub-Contractor but the Procuring Entity reserves the right in very exceptional circumstances to make such payments direct in the interests of the project where the completion thereof might be jeopardized by any dispute or vicariousness between the Contractor and the Sub-Contractor involve.	
	7. The Contractor shall complete and deliver the Works in the period inserted in the Form of Tender as his time for completion of the Works from the date for Possession, to be agreed with the Engineer. The Contract Period is presumed to have been calculated making due	
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	allowance for seasonal inclement weather conditions. Noclaimfor extension of time due to the normal in clement weather for this area shall be entertained.		
	8. The Contractor shall, upon receiving instructions to proceed with the Works, draw up a Programme and Progress Chart setting out the order in which the Works are to be carried out, with the appropriate dates there of. This Chart shall be agreed with the Architect and no deviation from the order set out in it will be permitted without the written consent of the Engineer. The Contractor will be responsible for arranging the above programme with all his sub-Contractors and Specialties. The Contractor shall allow in his rates for carrying out this exercise, and for updating it as required.		
	9. The Contractor shall submit to the Architect on the first day of each week or such longer period as the Architect from time to time direct, a Progress Report and any information for the proceeding period, showing the progress during the period and the up-to-date cumulative progresson all important items of each section or portion of the Works.		
	10. The Contractor shall arrange for photographs of the Site to be taken by a professional photographer approved by the Engineer.The Photographs shall provide a record of the Site and adjacent are as prior to the commencement of the Works and shall cover such portion of the works in progress and completion as the Architect shall direct. All prints shall be full plate size, unmounted, and marked on the reverse side with the date of exposure, identification reference and brief description. The copyright of all photographs shall be vested in the Procuring Entity. The negatives and four prints from each negative shall be delivered to the Architect within two weeks of exposure.		
	11. Figured dimensions are to be followed in preference to dimensions scaled from the Drawings, but whenever possible dimensions are to be taken on the Site or from the buildings. Before any work is commenced by Sub- Contractors or Specialist Firms, dimensions must be checked on the site comparable dimensions shown on the drawings. The Contractor shall be responsible for the accuracy of such dimensions.		
	12. 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, waterpipes or other services in the are aand he shall make whatever provisions may be required by the Authorities concerned for the support and protection of such services. Any damage or disturbance caused to any services shall be reported immediately to the Architect and the relevant Authority and shall be made good to their satisfaction at the Contractor's expense. Where appropriate the Contractor shall open up the ground in advance of the main work by hand digging if necessary, to locate precisely the position and details of the services which are likely to affect his operations.		
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	13. 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 route as are permitted by the Authorities.		
	14. The Contractor will be required to make good, at his own expense and damage he may cause to the present road surface and pavements within or beyond the boundary of the Site, during the period of the works. All existing paths, storm water channels, etc., that may be destroyed or damaged during the progress of the Works shall be reinstated by the Contractor to the satisfaction of the Engineer.		
	15. The Contractor is to allow for complying with all instructions and regulations of the Police Authorities.		
	16. All water shall be fresh, clean and pure, free from earthly, vegetable or organic matter, acid or alkaline substance in solution. The Contractor shall provide at his own risk and cost all water for use in connection with the Works, (including works of sub–contractors). If need be, he shall liaise with the Local Water Authority for the installation of a separate meter for all water used by him throughout the Contract and pay all cost and fees in connection therewith. He shall also provide temporary storage tanks and tubing, etc., as may be necessary, and clear away at completion.		
	17. The Contractor shall provide all artificial lighting and power for his own use on the Works, (including Sub – Contractor's) including all temporary connections, wiring, fittings, etc., and clearing away on completion. The Contractor shall pay all fees and obtain all permits in connection there with.		
	18. 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 giveh is whole time to the superintendence of the works. (Including works of sub – contractors). Such Agent or Representative shall receive on behalf of the Contractordirections and instruction from the Engineer, and such directions and instructions shall be deemed to be given to the contractor in accordance with the Conditions of Contract. The Agent shall not be replaced without the specific approval of the Engineer.		
	19. The Contractor shall ensure that the safety of his work people and all authorized visitors to the site are protected at all times. In particular, there shall be the proper provision of guard–rails to scaffolding, protection against falling materials, tools on site, dust, nail and other sharp objects. The site shall be kept tidy and clear of dangerous rubbish. The Architect shall be empowered to suspend work on site should it be considered this condition is not being observed and no claim arising from such suspension will be allowed.		
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	20. The are as available to the Contractor for workyards, offices and other facilities shall be directed by the Architect and any existing features to remain shall be protected from damage throughout the Contract Period and handed back in good condition when they are vacated at the end of the Contract. If additional areas are required, the contractorshallsourcethenatowncost.		
	21. 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.		
	22. The Contractor must take steps necessary to safe guard and shall beheld fully responsible for any damage caused to existingand adjacent property, including buildings that are not a subject of demolition. He shall make good at his own cost damage to persons and property caused there on, and he shall indemnify the Procuring Entity against any loss or claim that may arise.		
	23. The Contractor shall take such steps and exercise such care and diligence as to minimize nuisance arising from dust, noise or any other cause to the occupiers of the existing and adjacent property. He must provide such temporary and special screens and tarpaulins or gummy bags, hoarding, barriers, warning signs etc. as he considers necessary and sufficient for the protection of the existing and adjacent property and or prevention of nuisance etc. as directed by Engineer.		
	24. The Contractors attention is drawn to the standards levy order which was amended on 15thOctober 1998.Legal notice No.154 of 1998. The Contractor is required to pay a monthly level of 0.2% of his factory price of construction works with effect from January 1999. Tenderer shall allow for this in the build-upo f his rates.		
	25. The Contractor shall provide temporary sheds, offices meshrooms, sanitary, accommodation and other temporary buildings for the use of the contractor and sub-contractors, including lighting furniture equipment and attendance.		
	26. Contractor shall provide/build labor camp sat areas to be agreed with the Engineer. Labor camps shall be complete with sanitary accommodation and fencing gates.		
	27. The Contractor must provide the necessary toilet facilities to the requirement and satisfaction of the Health Authorities and maintain the same in a thoroughly clean and sanitary condition and pay all conservancy fees during the period of the Works and		
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	remove when no longer required.	
	28. The Contractor shall provide at his own risk and cost all watching and lighting as necessary to safeguard the Works, Plant and materials against damage and theft.	
	29. The Contractor shall provide all necessary hoists, tackle, plant, equipment, vehicles, tools and appliances of every description for the due and satisfactory completion of the Works and shall remove the same on completion. All such plant, tools and equipment shall comply with all regulations in force throughout the period of the Contract and shall be altered or adopted during the Contract period as may be necessary to comply with any amendments in or additions to such regulations.	
	30. Provide, erect and maintain all necessary scaffolding, sufficiently strong and efficient for the due performance of the works, including Sub-Contract Works, provide special scaffolding as required by Sub-Contractors, alter and adopt all scaffolding as and when required during the Works, and remove on completion. No scaffolding is measured here in after and the Contractor must allow in his rates for this.	
	31. The Contractor shall take all necessary precautions such as temporary fencing, hoarding fans, planked foot ways, guard–rails gantries screen, etc., for the safe custody of the Works, materials and public protection and adjacent properties.	
	32. Cover up all and protect from damage, including damage from in clement weather, all finished work and unfixed materials, including that of Sub-Contractors, etc., to the satisfaction of the Architect until the completion of the Contract.	
	33. The Contractor shall, after completion of the works, at his own expense, remove and clear away all surplus excavated demolition materials, plant, rubbish and unused materials and shall leave the whole of the Site and Works in a clean and tidy state to the satisfaction of the Engineer, sheds, camps, etc. Particular care shall be taken to leave clean all floors and windows and tore move all paint and cement all rubbish and dirt as it accumulates. The Contractor is to find his own dump and shall pay all charges in connection there with.	
	34. Concrete test cubes shall be prepared in a set of three, as described including testing fees, labor and materials, making molds, transport, handling, etc. Allow in your rates for making at least four cubes on each occasion, from different batches; the concrete being taken from the point of deposit.	
	35. The Contractors hall furnish at the earliest possible opportunity before work commences, and at his own cost, any samples of materials and workmanship that may be called for by the Architect for the approval or rejection, and any further samples in the case of rejection,	
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	until such samples are approved by the Engineer. Such samples, when approved, shall be the minimum standard for the work to which they apply. The proceduref or submitting samples of materials for testing or approval and the method of marking for identification shall be as laid down by the Engineer.The Contractor shall allow in his Tender for such samples and tests, including those in connection with his Sub-Contractors work.		
	36. The Contractors attention is drawn to the Finance Bill of the year 2000/2001 on withholding tax on contractual payment section 35(7)(i)(ii) which became effective on 1st July 2000. A 3% withholding tax will be applicable to all in terim payments exceeding Kshs…….....……. for work done in respect of building or civil works. The contractor shall allow for any costs arising resulting there from in the build-up of rates.		
	37. Blasting will only be allowed with the express permission of the Architect in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost, in accordance with any Government regulations in force for the time being, and any special regulations laid down by the Architect governing the use and storage of explosives.		
	38. The National Construction Authority is a state corporation established under the national construction authority Act No.14 of 2011. The broad Mandate of the Authority is to over see the construction industry and coordinate its development. The National Construction Authority Regulations 2014 with an effective date of 6thJune 2014, regulation 25, - Allow 0.5% of the tender sum/contract sum for construction levy.		
	39. The Contractor attention is drawn to Finance Bill of 1993 where VAT was introduced in all contracts for construction services. The tenderer is also drawn to VAT Act Cap 476 clause 19(9). The tenderer must allow for VAT 1.19 as instructed else where.		
	40. The contractor shall allow and pay for all insurance to cover risks and indemnities required Items 17 and 18 of the Conditions of contract and also specified in the Special Conditions of Contract.		
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M/s Impetus Cost Consultants Limited
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	INSTRUCTION TO TENDERERS	
	GENERAL PROVISIONS	
	1.0 *Scope of tender*	
	1.0 The Procuring Entity as defined in the Appendix to Conditions of Contract invites tenders for Works Contract as described in the tender documents. The name, identification, and number of lots (contracts) of this Tender Document are specified in the TDS.	
	1.1 Throughout this tendering document: a) The term "inwriting" means communicated in written form (e.g. by mail, e-mail, fax, including if specified in the TDS, distributed or received through the electronic-procurement system used by the Procuring Entity) with proof of receipt; b) if the context so requires, "singular" means "plural" and vice versa; c) "Day" means calendar day, unless otherwise specified as "Business Day". A Business Day is any day that is an official working day of the Procuring Entity. It excludes official public holidays.	
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	2.0 *Fraud and corruption*		
	2.0 The Procuring Entity requires compliance with the provisions of the Public Procurement and Asset Disposal Act, 2015, Section 62 "Declaration not to engage in corruption". The tender submitted by a person shall include a declaration that the person shall not engage in any corrupt or fraudulent practice and a declaration that the person or his or her sub-contractors are not debarred from participating in public procurement proceedings.		
	2.1 The Procuring Entity requires compliance with the provisions of the Competition Act 2010, regarding collusive practices in contracting. Any tenderer found to have engaged in collusive conduct shall be disqualified and criminal and/or civil sanctions may be imposed. To this effect, Tenders shall be required to complete and sign the "Certificate of Independent Tender Determination" annexed to the Form of Tender.		
	2.2 Tenderers shall permit and shall cause their agents (whether declared or not), subcontractors, sub-consultants, service providers, suppliers, and their personnel, to permit the Procuring Entity to inspect all accounts, records and other documents relating to any initial selection process, pre-qualification process, tender submission, proposal submission, and contract performance (in the case of award), and to have them audited by auditors appointed by the Procuring Entity.		
	2.3 Unfair Competitive Advantage - Fairness and transparency in the tender process require that the firms or their Affiliates competing for a specific assignment do not derive a competitive advantage from having provided consulting services related to this tender. To that end, the Procuring Entity shall indicate in the **Data Sheet** and make available to all the firms together with this tender document all in formation that would in that respect give such firm any unfair competitive advantage over competing firms.		
	3.0 *Eligible tenderers*		
	3.0 A Tenderer may be a firm that is a private entity, a state-owned enterprise or institution subject to ITT 3.8, or an individual or any combination of such entities in the form of a joint venture (JV) under an existing agree mentor with the intent to enter in to such an agreement supported by a letter of intent. In the case of a joint		
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	venture, all members shall be jointly and severally liable for the execution of the entire Contract in accordance with the Contract terms. The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the tendering process and, in the event the JV is awarded the Contract, during contract execution. Members of a joint venture may not also make an individual tender, be a subcontractor in a separate tender or be part of another joint venture for the purposes of the same Tender. The maximum number of JV members shall be specified in the **TDS.**		
	3.1 Public Officers of the Procuring Entity, their Spouses, Child, Parent, Brothers or Sister. Child, Parent, Brother or Sister of a Spouse, their business associates or agents and firms/organizations in which they have a substantial or controlling interest shall not be eligible to tender or be awarded a contract. Public Officers are also not allowed to participate in any procurement proceedings.		
	3.2 A Tenderer shall not have a conflict of interest. Any tenderer found to have a conflict of interest shall be disqualified. A tenderer may be considered to have a conflict of interest for the purpose of this tendering process, if the tenderer:		
	a) Directly or indirectly controls, is controlled by or is under common control with an other tenderer;		
	b) Receives or has received any director indirect subsidy from another tenderer;		
	c) Has the same legal representative as an other tenderer;		
	d) Has a relationship with another tenderer, directly or through common third parties, that puts it in a position to influence the tender of an other tenderer, or influence the decisions of the Procuring Entity regarding this tendering process;		
	e) Any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods or works that are the subject of the tender;		
	f) Any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as a consultant for Contract implementation;		
	g) Would be providing goods, works, or non-consulting services resulting from or directly related to consulting services for the preparation or implementation of the contract specified in this Tender Document;		
	h) Has a close business or personal relationship with senior management or professional staff of the Procuring Entity who has the ability to influence the bidding process and:		
	i) Are directly or indirectly involved in the preparation of the Tender document or specifications of the Contract, and/or the Tender evaluation process of such contract; or		
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	ii) May be involved in the implementation or supervision of such Contract unless the conflicts temming from such relationship has been resolved in a manner acceptable to the Procuring Entity throughout the tendering process and execution of the Contract.		
	3.3 A tenderer shall not be involved in corrupt, coercive, obstructive or fraudulent practice. A tenderer that is proven to have been involved in any of these practices shall be automatically disqualified		
	3.4 A Tenderer (either individually or as a JV member) shall not participate in more than one Tender, except for permitted alternative tenders. This includes participation as a subcontractor in other Tenders. Such participation shall result in the disqualification of all Tenders in which the firm is involved. Members of a joint venture may not also make an individual tender, be a sub-contractor in a separate tender or be part of another joint venture for the purposes of the same Tender. A firm that is not a tenderer or a JV member may participate as a subcontractor in more than one tender.		
	3.5 A Tenderer may have the nationality of any country, subject to the restrictions pursuant to ITT3.9. ATenderer shall be deemed to have the nationality of a country if the Tenderer is constituted, incorporated or registered in and operates in conformity with the provisions of the laws of that country, as evidenced by its articles of incorporation (or equivalent documents of constitution or association) and its registration documents, as the case may be. This criterion also shall apply to the determination of the nationality of proposed sub-contractors or sub-consultants for any part of the Contract including related Services.		
	3.6 A Tenderer that has been debarred from participating in public procurement shall be ineligible to tender or be awarded a contract. The list of debarred firms and individuals is available from the website of PPRA www.ppra.go.ke.		
	3.7 A Tenderer that is a state-owned enterprise or a public institution in Kenya may be eligible to tender and be awarded Contract(s) only if it is determined by the Procuring Entity to meet the following conditions, i.e. if it is:		
	i) A legal public entity of Government and/or public administration,		
	ii) financially autonomous and not receiving any significant subsidies or budget support from any public entity or Government, and;		
	(iii) operating under commercial law and vested with legal rights and liabilities similar to any commercial enterprisetoenableitcompetewithfirmsintheprivatesectoronanequalbasis.		
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	3.8 Firms and individuals shall be ineligible if their countries of origin are:		
	(a) As a matter of law or official regulations, Kenya prohibits commercial relations with that country;		
	(b) byanactofcompliancewith a decision of the United Nations Security Council taken under Chapter VII of theCharterof the United Nations, Kenya prohibits any import of goods or contracting of works or services from that country, or any payments to any country, person, or entity in that country.		
	A tenderer shall provide such documentary evidence of eligibility satisfactory to the Procuring Entity, as the Procuring Entity shall reasonably request.		
	3.9 Foreign tenderers are required to source at least forty (40%) percent of their contract inputs (in supplies, local sub-contracts and labor) from citizen suppliers and contractors. To this end, a foreign tenderer shall provide in its tender documentary evidence that this requirement is met. Foreign tenderers not meeting this criterion will be automatically disqualified. Information required to enable the Procuring Entity determine if this condition is met shall be provided for this purpose in "SECTIONI II - EVALUATION AND QUALIFICATION CRITERIA, Item 9".		
	3.10 Pursuant to the eligibility requirements of ITT 3.10, a tender is considered a foreign tenderer, If it is registered in Kenya and has less than 51 percent ownership by nationals of Kenya and if it does not subcontract to foreign firms or individuals more than 10 percent of the contract price, excluding provisional sums. JVs are considered as foreign tenderers if the individual member firms registered in Kenya have less 51 percent ownership by nationals of Kenya. The JV shall not subcontract to foreign firms more than 10 percent of the contract price, excluding provisional sums.		
	3.11 The National Construction Authority Act of Kenya requires that all local and foreign contractors be registered with the National Construction Authority and be issued with a Registration Certificate before they can undertake any construction works in Kenya. Registration shall not be a condition for tender, but it shall be a condition of contract award and signature. A selected tenderer shall be given opportunity to register before such award and signature of contract. Application for registration with National Construction Authority may be accessed from the website www.nca.go.ke.		
	3.12 The Competition Act of Kenya requires that firms wishing to tender as Joint Venture undertakings which may prevent, distort or lessen competition in provision of services are prohibited unless they are exempt in accordance with the provisions of Section 25 of the Competition Act, 2010. JVs will be required to seek for exemption from the Competition Authority. Exemption shall not be a condition for tender, but it shall be a condition of contract award and signature. A JV tenderer		
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	shall be given opportunity to seek such exemption as a condition of award and signature of contract. Application for exemption from the Competition Authority of Kenya may be accessed from the website www.cak.go.ke.		
	4.14 A kenyan tenderer shall be eligible to tender if it provides evidence of having fulfilled his/her tax obligations by producing valid tax compliance certificate or tax exemption certificate issued by the Kenya Revenue Authority.		
	4.0 *Eligible goods, equipment, and services*		
	4.0 Goods, equipment and services to be supplied under the Contract may have their origin in any country that is not ineligible under ITT 3.9. At the Procuring Entity's request, Tenderers may be required to provide evidence of the origin of Goods, equipment and services.		
	4.1 Any goods, works and production processes with characteristics that have been declared by the relevant national environmental protection agency or by other competent authority as harmful to human beings and to the environment shall not be eligible for procurement.		
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	5.0 *Tenderer's responsibilities*		
	5.0 The tenderer shall bear all costs associated with the preparation and submission of his/her tender, and the Procuring Entity will in no case be responsible or liable for those costs.		
	5.1 The tenderer, at the tenderer's own responsibility and risk, is encouraged to visit and examine and inspect the Site of the Works and its surroundings and obtain all information that may be necessary for preparing the tender and entering into a contract for construction of the Works. The costs of visiting the Site shall beat the tenderer's own expense.		
	5.2 The Tenderer and any of its personnel or agents will be granted permission by the Procuring Entity to enter upon its premises and lands for the purpose of such visit. The Tenderer shall indemnify the Procuring Entity again stall liability arising from death or personal injury, loss of or damage to property, and any other losses and expenses incurred as a result of the examination and inspection.		
	5.3 The tenderer shall provide in the Form of Tender and Qualification Information, a preliminary description of the proposed work method and schedule, including charts, as necessary or required.		
	CONTENTS OF TENDER DOCUMENTS		
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	6.0 *Sections of Tender Document*		
	6.1 The tender document consists of Parts 1, 2, and 3, which includes all the sections specified below, and which should be read in conjunction with any Addenda issued in accordance with ITT 10.		
	PART 1: Tendering Procedures Section I – Instructions toTenderers Section II – Tender Data Sheet (TDS) Section III- Evaluation and Qualification Criteria Section IV – Tendering Forms		
	PART 2: Works' Requirements Section V - Bills of Quantities Section VI - Specifications Section VII - Drawings		
	PART 3: **Conditions of Contract and Contract Forms** **Section VIII - General Conditions (GCC)** Section IX - Special Conditions of Contract Section X- Contract Forms		
	6.2 The Invitation to Tender Notice issued by the Procuring Entity is not part of the Contract documents. Unless obtained directly from the Procuring Entity, the Procuring Entity is not responsible for the completeness of the Tender document, responses to requests for clarification, the minutes of a pre-arranged site visit and those of the pre-Tender meeting (if any), or Addenda to the Tender document in accordance with ITT 10. Incase of any contradiction, documents obtained directly from the Procuring Entity shall prevail.		
	6.3 The Tenderer is expected to examine all instructions, forms, terms, and specifications in the Tender Document and to furnish with its Tender all information and documentation as is required by the Tender document.		
	7.0 *Clarification of Tender Document, Site Visit, Pre-tender Meeting*		
	7.1 A Tenderer requiring any clarification of the Tender Document shall contact the Procuring Entity in writing at the Procuring Entity's address specified in the **TDS** or raise its enquiries during the pre-Tender meeting if provided for in accordance with ITT 7.2. The Procuring Entity will respond in writing to any request for clarification, provided that such request is received no later than the period specified		
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	in the **TDS** prior to the deadline for submission of tenders. The Procuring Entity shall forward copies of its response to all tenderers who have acquired the Tender documents in accordance with ITT 7.4, including a description of the inquiry but without identifying its source. If so specified in the **TDS**, the Procuring Entity shall also promptly publish its response at the web page identified in the **TDS**. Should the clarification result in changes to the essential elements of the Tender Documents, the Procuring Entity shall amend the Tender Documents following the procedure under ITT 8 and ITT 22.2.		
	7.2 The Tenderer, at the Tenderer's own responsibility and risk, is encouraged to visit and examine and inspect the site(s) of the required contracts and obtain all information that may be necessary for preparing a tender. The costs of visiting the Site shall be at the Tenderer's own expense. The Procuring Entity shall specify in the **TDS** if a pre-arranged Site visit and or a pre-tender meeting will be held, when and where. The Tenderer's designated representative is invited to attend a pre-arranged site visit and a pre-tender meeting, as the case may be. The purpose of the site visit and the pre-tender meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.		
	7.3 The Tenderer is requested to submit any questions in writing, to reach the Procuring Entity not later than the period specified in the **TDS** before the meeting.		
	7.4 Minutes of a pre-arranged site visit and those of the pre-tender meeting, if applicable, including the text of the questions asked by Tenderers and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Tenderers who have acquired the Tender Documents. Minutes shall not identify the source of the questions asked.		
	7.5 TheProcuring Entity shall al so promptly publish anonymized (*no names*) Minutes of the pre-arranged site visit and those of the pre-tender meeting at the web page identified in the **TDS**. Any modification to the Tender Documents that may become necessary as a result of the pre-arranged site visit and those of the pre-tender meeting shall be made by the Procuring Entity exclusively through the issue of an Addendum pursuant to ITT 8 and not through the minutes of the pre-Tender meeting. Non-attendance at the pre-arranged site visit and the pre-tender meeting will not be a cause for disqualification of a Tenderer.		
	Carried Forward	Ksh	

Item No			*Amount Kshs*
	Brought Forward	Ksh	
	8.0 Amendment of Tender Documents		
	8.1 At any time prior to the deadline for submission of Tenders, the Procuring Entity may amend the Tender Documents by issuing addenda.		
	8.2 Any addendum issued shall be part of the Tender Documents and shall be communicated in writing to all who have obtained the Tender Documents from the Procuring Entity. The Procuring Entity shall also promptly publish the addendum on the Procuring Entity's website in accordance with ITT 7.5.		
	8.3 To give Tenderers reasonable time in which to take an addendum into account in preparing their Tenders, the Procuring Entity should extend the dead line for the submission of Tenders, pursuant to ITT 22.2.		
	PREPARATION OF TENDERS		
	9.0 Cost of Tendering		
	The Tenderer shall bear all costs associated with the preparation and submission of its Tender, and the Procuring Entity shall not be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.		
	10.0 Language of Tender		
	The Tender, as well as all correspondence and documents relating to the tender exchanged by the tenderer and the Procuring Entity, shall be written in the English Language. Supporting documents and printed literature that are part of the Tender may be in another language provided they are accompanied by an accurate and notarized translation of the relevant passages into the English Language, in which case, for purposes of interpretation of the Tender, such translation shall govern.		
	Carried Forward	Ksh	

Item No		*Amount Kshs*
	Brought Forward Ksh	
	11.0 *Documents Comprising the Tender*	
	11.0 The Tender shall comprise the following: a) Form of Tender prepared in accordance with ITT 12; b) Schedules including priced Bill of Quantities, completed in accordance with ITT 12 and ITT 14; c) Tender Security or Tender-Securing Declaration, in accordance with ITT 19.1; d) Alternative Tender, if permissible, in accordance with ITT 13; e) ***Authorization****:* written confirmation authorizing the signatory of the Tender to commit the Tenderer, in accordancewithITT20.3; f) *Qualifications:* documentary evidence in accordance with ITT 17 establishing the Tenderer's qualifications to per form the Contract if its Tender is accepted; g) *Conformity:* a technical proposal in accordance with ITT 16; **h)** Any other document required in the **TDS.**	
	11.1 In addition to the requirements under ITT 11.1, Tenders submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful Tender shall be signed by all members and submitted with the Tender, together with a copy of the proposed JV Agreement. Change of membership and conditions of the JV prior to contract signature will render the tenderliable for disqualification.	
	Carried Forward Ksh	

Item No		*Amount Kshs*
	Brought Forward Ksh	
	12.0 *Form of Tender and Schedules*	
	12.1 The Form of Tender and Schedules, including the Bill of Quantities, shall be prepared using the relevant form*s* furnished in Section IV, Tendering Forms. The forms must be completed with out any alterations to the text, and no substitutes shall be accepted except as provided under ITT 20.3. All blank spaces shall be filled in with the information requested. The Tenderer shall chronologically serialize all pages of the tender documents submitted.	
	12.2 The Tenderer shall furnish in the Form of Tender information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Tender.	
	Carried Forward Ksh	

Item No			*Amount Kshs*
	Brought Forward	Ksh	
	13. *Alternative Tenders*		
	13.1 Unless otherwise specified in the TDS, alternative Tenders shall not be considered.		
	13.2 When alternative times for completion are explicitly invited, a statement to that effect will be included in the **TDS**, and the method of evaluating different alternative times for completion will be described in Section III, Evaluation and Qualification Criteria.		
	13.3 Except as provided under ITT 13.4 below, Tenderers wishing to offer technical alternatives to the requirements of the Tender Documents must first price the Procuring Entity's design as described in the Tender Documents and shall further provide all information necessary for a complete evaluation of the alternative by the Procuring Entity, including drawings, design calculations, technical specifications, breakdown of prices, and proposed construction methodology and other relevant details. Only the technical alternatives, if any, of the Tenderer with the Winning Tender conforming to the basic technical requirements shall be considered by the Procuring Entity.		
	13.4 When specified in the **TDS**, Tenderers are permitted to submit alternative technical solutions for specified parts of the Works, and such parts will be identified in the **TDS**, as will the method for their evaluating, and described in Section VII, Works' Requirements.		
	14.0 *Tender Prices and Discounts*		
	14.0 The prices and discounts (including any price reduction) quoted by the Tenderer in the Form of Tender and in the Billof Quantities shall conform to the requirements specified below.		
	14.1 The Tenderer shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by the Tenderer shall be deemed covered by the rates for other items in the Bill of Quantities and will not be paid for separately by the Procuring Entity. An item not listed in the priced Bill of Quantities shall be assumed to be not included in the Tender, and		
	Carried Forward	Ksh	

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	provided that the Tender is determined substantially responsive notwithstanding this omission, the average price of the item quoted by substantially responsive Tenderers will be added to the Tender price and the equivalent total cost of the Tender so determined will be used for price comparison.		
	14.2 The price to be quoted in the Form of Tender, in accordance with ITT 12.1, shall be the total price of the Tender, including any discounts offered.		
	14.3 The Tenderer shall quote any discounts and the methodology for their application in the Form of Tender, in accordance with ITT 12.1.		
	14.4 It will be specified in the **TDS** if the rates and prices quoted by the Tenderer are or are not subject to adjustment during the performance of the Contract in accordance with the provisions of the Conditions of Contract, except incases where the contract is subject to fluctuations and adjustments, not fixed price. In such a case, the Tenderer shall furnish the indices and weightings for the price adjustment formulae in the Schedule of Adjustment Data and the Procuring Entity may require the Tenderer to justify its proposed indices and weightings.		
	14.5 Where tenders are being invited for individual lots (contracts)or for any combination of lots (packages), tenderers wishing to offer discounts for the award of more than one Contract shall specify in their Tender the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITT 14.4, provided the Tenders for all lots (contracts) are opened at the sametime.		
	14.6 All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date 30 days prior to the deadline for submission of Tenders, shall be included in the rates and prices and the total Tender Price submitted by the Tenderer.		
	Carried Forward	Ksh	

Item No			*Amount Kshs*
	Brought Forward	Ksh	
	15.0 *Currencies of Tender and Payment*		
	15.0 The currency(ies) of the Tender and the currency(ies) of payments shall be the same**.**		
	15.1 Tenderers shall quote entirely in Kenya Shillings. The unit rates and the prices shall be quoted by the Tenderer in the Bill of Quantities, entirely in Kenya shillings. a) A Tenderer expecting to incur expenditures in other currencies for inputs to the Works supplied from outside Kenya (referred to as "the foreign currency requirements") shall (if so allowed in the **TDS**) indicate in the Appendix to Tender the percentage(s) of the Tender Price (excluding Provisional Sums), needed by the Tenderer for the payment of such foreign currency requirements, limited to no more than two foreign currencies. b) The rates of exchange to be used by the Tenderer in arriving at the local currency equivalent and the percentage(s) mentioned in (a) above shall be specified by the Tenderer in the Appendix to Tender and shall be based on the exchange rate provided by the Central Bank of Kenya on the date 30 days prior to the actual date of tender opening. Such exchange rate shall apply for all foreign payments under the Contract.		
	15.2 Tenderers may be required by the Procuring Entity to justify, to the Procuring Entity's satisfaction, their local and foreign currency requirements, and to substantiate that the amounts included in the unit rates and prices and shown in the Schedule of Adjustment Data in the Appendix to Tender are reasonable, in which case a detailed break down of the foreign currency requirements shall be provided by Tenderers.		
	16.0 Documents Comprising the Technical Proposal		
	The Tenderer shall furnish a technical proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section IV, Tender Forms, insufficient detail to demonstrate the adequacy of the Tenderer's proposal to meet the work's requirements and the completion time.		
	17.0 *Documents Establishing the Eligibility and Qualifications of the Tenderer*		
	17.0 Tenderers shall complete the Form of Tender, included in Section IV, Tender Forms, to establish Tenderer's eligibility in accordance with ITT 4.		
	17.1 In accordance with Section III, Evaluation and Qualification Criteria, to establish its qualifications to perform the Contract the Tenderer shall provide the information requested in the corresponding information sheets included in Section IV, Tender		
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	Forms.		
	17.2 If a marg in of preference applies as specified in accordance with ITT 33.1, nation al tenderers, individually or in joint ventures, applying for eligibility for national preference shall supply all information required to satisfy the criteria for eligibility specified in accordance with ITT 33.1.		
	17.3 Tenderers shall be asked to provide, as part of the data for qualification, such information, including details of ownership, as shall be required to determine whether, according to the classification established by the Procuring Entity, a particular contractor or group of contractors qualifies for a margin of preference. Further the information will enable the Procuring Entity identify any actual or potential conflict of interest in relation to the procurement and/or contract management processes, or a possibility of collusion between tenderers, and thereby help to prevent any corrupt influence in relation to the procurement process or contract management.		
	17.4 The purpose of the information described **in ITT 17.4** above overrides any claims to confidentiality which a tenderer may have. There can be no circumstances in which it would be justified for a tenderer to keep information relating to its ownership and control confidential where it is tendering to undertake public sector work and receive public sector funds. Thus, confidentiality will not be accepted by the Procuring Entity as a justification for a Tenderer's failure to disclose, or failure to provide required information on its ownership and control.		
	17.5 The Tenderer shall provide further documentary proof, information or authorizations that the Procuring Entity may request in relation to owner ship and control which in formation on any changes to the information which was provided by the tenderer under ITT 6.4. The obligations to require this information shall continue for the duration of the procurement process and contract performance and after completion of the contract, if any change to the information previously provided may reveal a conflict of interest in relation to the award or management of the contract.		
	17.6 All information provided by the tenderer pursuant to these requirements must be complete, current and accurate as at the date of provision to the Procuring Entity. In submitting the information required pursuant to these requirements, the Tenderer shall warrant that the information submitted is complete, current and accurate as at the date of submission to the Procuring Entity.		
	17.7 If a tenderer fails to submit the information required by these requirements, its tender will be rejected. Similarly, iftheProcuring Entity is unable, after taking reasonable steps, to verify to a reasonable degree the information submitted by a tenderer pursuant to these requirements, then the tender will be rejected.		
	Carried Forward	Ksh	

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	17.8 If information submitted by a tenderer pursuant to these requirements, or obtained by the Procuring Entity (whether through its own enquiries, through notification by the public or otherwise), shows any conflict of interest which could materially and improperly benefit the tenderer in relation to the procurement or contract management process, then: i) If the procurement process is still ongoing, the tenderer will bed is qualified from the procurement process, ii) if the contract has been awarded to that tenderer, the contract award will be set as idepending the outcome of (iii), iii) the tenderer will be referred to the relevant law enforcement authorities for investigation of whether the tenderer or any other person shave committed any criminal offence.	
	17.9 If a tenderer submits information pursuant to these requirements that is in complete, in accurate or out-of-date, or attempts to obstruct the verification process, then the consequences ITT 17.8 will ensue unless the tenderer can show to the reasonable satisfaction of the Procuring Entity that any such act was not material, or was due to genuine error which was not attributable to the intentional act, negligence or recklessness of the tender.	
	18.0 Period of Validity of Tenders	
	18.1. Tenders shall remain valid for the Tender Validity period specified in the **TDS**. The Tender Validity period starts from the date fixed for the Tender submission deadline (as prescribed by the Procuring Entity in accordance with ITT 22). At ender valid for a shorter period shall be rejected by the Procuring Entity as non-responsive.	
	18.2 In exceptional circumstances, prior to the expiration of the Tender validity period, the Procuring Entity may request Tenderers to extend the period of validity of their tenders.The request and the responses shall be made in writing. If a Tender Security is requested in accordance with ITT 19, it shall also be extended for thirty (30) days beyond the deadline of the extended validity period. A Tenderer may refuse the request without forfeiting its Tender security. A Tenderer granting the request shall not be required or permitted to modify itsTender.	
	19.0 *Tender Security*	
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Item No			*Amount Kshs*
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	19.0 The Tenderer shall furnish as part of its Tender, either a Tender-Securing Declaration or a Tender Security as specified in the **TDS**, in original form and, in the case of a Tender Security, in the amount and currency **specified** in the **TDS**. A Tender-Securing Declaration shall use the form included in Section IV, Tender Forms.		
	19.1 If a Tender Security is specified pursuant to ITT 19.1, the Tender Security shall be a demand guarantee in any of the following forms at the Tenderer's option: I) cash; ii) a bank guarantee; iii) a guarantee by an insurance company registered and licensed by the Insurance Regulatory Authority listed by the Authority; (iii) a guarantee issued by a financial institution approved and licensed by the Central Bank of Kenya, from a reputable source, and an eligible country.		
	19.2 If an unconditional bank guarantee is issued by a bank located outside Kenya, the issuing bank shall have a correspondent bank located in Kenya to make it enforceable. The Tender Security shall be valid for thirty (30) days beyond the original validity period of the Tender, or beyond any period of extension if requested under ITT 18.2.		
	19.3 If a Tender Security or Tender-Securing Declaration is specified pursuant to ITT 19.1, any Tender not accompanied by a substantially responsive Tender Security or Tender-Securing Declaration shall be rejected by the Procuring Entity as non-responsive.		
	19.4 If a Tender Security is specified pursuant to ITT 19.1, the Tender Security of unsuccessful Tenderers shall be returned as promptly as possible upon the successful Tenderer's signing the Contract and furnishing the Performance Security and any other documents required in the TDS. The Procuring Entity shall also promptly return the tender security to the tenderers where the procurement proceedings are terminated, all tenders were determined non-responsive or a bidder declines to extend tender validity period.		
	19.5 The Tender Security of the successful Tenderer shall be returned as promptly as possible once the successful Tenderer has signed the Contract and furnished the required Performance Security, and any other documents required in the TDS.		
	19.6 The Tender Security may be forfeited or the Tender-Securing Declaration executed:		
	Carried Forward	Ksh	

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	a) if a Tenderer withdraws its Tender during the period of Tender validity specified by the Tenderer on the Form of Tender, or any extension there to provided by the Tenderer; or b) if the successful Tenderer fails to: - i) signthe Contract in accordance with ITT47; or ii) furnish a Performance Security and if required in the TDS, and any other documents required in the TDS.		
	19.7 Where tender securing declaration is executed, the Procuring Entity shall recommend to the PPRA to debars the Tenderer from participating in public procurement as provided in the law.		
	19.8 The Tender Security or the Tender-Securing Declaration of a JV shall be in the name of the JV that submits the Tender. If the JV has not been legally constituted into a legally enforceable JV at the time of tendering, the Tender Security or the Tender-Securing Declaration shall be in the names of all future members as named in the letter of intent referred to in ITT 4.1 and ITT 11.2.		
	19.9 A tenderer shall not issue a tender security to guarantee itself.		
	Carried Forward	Ksh	

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	20.0 *Format and Signing of Tender*		
	20.0 The Tenderer shall prepare one original of the documents comprising the Tender as described in ITT 11 and clearly mark it "ORIGINAL." Alternative Tenders, if permitted in accordance with ITT 13, shall be clearly marked "ALTERNATIVE." In addition, the Tenderer shall submit copies of the Tender, in the number specified in the **TDS** and clearly mark them "COPY." In the event of any discrepancy between the origin a landthe copies, the original shall prevail.		
	20.1 Tenderers shall mark as "CONFIDENTIAL" all information in their Tenders which is confidential to their business. This may include proprietary information, trade secrets, or commercial or financially sensitive information.		
	20.2 The original and all copies of the Tender shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Tenderer. This authorization shall consist of a written confirmation as specified in the**TDS** and shall be attached to the Tender. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the Tender where entries or amendments have been made shall be signed or initialed by the person signing the Tender.		
	20.3 Incase the Tenderer is a JV, the Tender shall be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized representatives.		
	20.4 Any inter-lineation, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Tender.		
	SUBMISSION AND OPENING OF TENDERS		
	Carried Forward	Ksh	

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	21.0 *Sealingand Marking of Tenders*	
	21.0 The Tenderer shall deliver the Tender in a single sealed envelope, or in a single sealed package, or in a single sealed container bearing the name and Reference number of the Tender, addressed to the Procuring Entity and a warning not to open before the time and date for Tender opening date. Within the single envelope, package or container, the Tenderer shall place the following separate, sealed envelopes: a) in an envelope or package or container marked "ORIGINAL", all documents comprising the Tender, as described in ITT 11; and b) in a nenvelope or package or container marked "COPIES", all required copies of the Tender; and c) if alternative Tenders are permitted in accordance with ITT 13, and if relevant: i) in an envelope or package or container marked "ORIGINAL –ALTERNATIVE TENDER", the alternative Tender; and ii) in the envelope or package or container marked "COPIES- ALTERNATIVE TENDER", all required copies of the alternative Tender.	
	The inner envelopes or packages or containers shall: a) bear the name and address of the Procuring Entity, b) bear the name and address of the Tenderer; and c) bear the name and Reference number of the Tender.	
	21.1 The original or the copy envelope or package or container shall have three inner envelope or package or container containing the following:- a) Techinical and financial proposal of the Building and Associated Civil Engineering Works contractor, b) Techinical and financial proposal of the General Electrical Instalation works Contactor c) Techinical and financial proposal of the Genaral Plumbing and drainage Installation works Contractor. And marked as enumerated in item 21.1 above	
	21.2 If an envelope or package or container is not sealed and marked as required, the *Procuring Entity* will assume no responsibility for the misplacement or premature opening of the Tender. Tenders misplaced or opened prematurely will not be accepted.	
	Carried Forward Ksh	

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	22.0 *Deadline for Submission of Tenders*		
	22.0 Tenders must be received by the Procuring Entity at the address specified in the **TDS** and no later than the date andtimealsospecifiedinthe **TDS.** When so specified in the **TDS**, tenderers shall have the option of submitting their Tenders electronically. Tenderers submitting Tenders electronically shall follow the electronic Tender submission procedures specified in the **TDS**.		
	22.1 The Procuring Entity may, at its discretion, extend the deadline for the submission of Tenders by amending the TenderDocumentsinaccordance with ITT 8, in which case all rights and obligations of the Procuring Entity and Tenderers previously subject to the deadline shall there after be subject to the deadline as extended.		
	23.0 Late Tenders		
	The Procuring Entity shall not consider any Tender that arrives after the deadline for submissionof tenders, in accordance with ITT 22. Any Tender received by the Procuring Entity after the deadline for submission of Tenders shall be declared late, rejected, and returned unopened to the Tenderer.		
	Carried Forward	Ksh	

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	24.0 *Withdrawal, Substitution, and Modification of Tenders*	
	24.0 A Tenderer may withdraw, substitute, or modify its Tenderafterith as been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITT 20.3, (except that withdrawal notices do not require copies). The corresponding substitution or modification of the Tender must accompany the respective written notice. All notices must be: a) prepared and submitted in accordance with ITT 20 and ITT 21 (except that withdrawals notices do not require copies), and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," "MODIFICATION;" and b) received by the Procuring Entity prior to the deadline prescribed for submission of Tenders, in accordance with ITT 22.	
	24.1 Tenders requested to be withdrawn in accordance with ITT 24.1 shall be returned unopened to the Tenderers.	
	24.2 No Tender may be withdrawn, substituted, or modified in the interval between the deadline for submission of Tenders and the expiration of the period of Tender validity specified by the Tenderer on the Form of Tender or any extension thereof.	
	25. *Tender Opening*	
	25.1 Except in the cases specified in ITT 23 and ITT 24.2, the Procuring Entity shall publicly open and read out all Tenders received by the deadline, at the date, time and place specified **in the TDS**, in the presence of Tenderers' designated representatives who chooses to attend. Any specific electronic Tender opening procedures required if electronic Tendering is permitted in accordance with ITT 22.1, shall be as specified in the **TDS.**	
	25.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelopes with the corresponding Tender shall not be opened but returned to the Tenderer. No Tender withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at Tender opening.	
	Carried Forward Ksh	

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	25.3 Next, envelopes marked "SUBSTITUTION" shall be opened and read out and exchanged with the corresponding Tender being substituted, and the substituted Tender shall not be opened, but returned to the Tenderer. No Tender substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at Tender opening.	
	25.4 Next, envelopes marked "MODIFICATION" shall be opened and read out with the corresponding Tender. No Tender modification shall be permitted unless the corresponding modification notice contains a valid authorizationtorequestthemodificationandisreadoutatTenderopening.	
	25.5 Next, all remaining envelopes shall be opened one at a time, reading out: the name of the Tenderer and whether there is a modification; the total Tender Price, per lot (contract) if applicable, including any discounts and alternative Tenders; the presence or absence of a Tender Security or Tender-Securing Declaration, if required; and any other details as the Procuring Entity may consider appropriate.	
	25.6 Only Tenders, alternative Tenders and discounts that are opened and read out at Tender opening shall be considered further for evaluation. The Form of Tender and pages of the Bill of Quantities (to be decided on by the tender opening committee) are to be initialed by the members of the tender opening committee attending the opening.	
	25.7 At the Tender Opening, the Procuring Entitys hall neither discuss the merits of any Tender nor reject any Tender (except for late Tenders, in accordance with ITT 23.1).	
	25.8 The Procuring Entity shall prepare minutes of the Tender Opening that shall include, as a minimum: - a) the name of the Tenderer and whether there is a withdrawal, substitution, or modification; b) the Tender Price, per lot (contract) if applicable, including any discounts; c) any alternative Tenders; d) the presence or absence of a Tender Security, if new as required; e) number of pages of each tender document submitted.	
	25.9 The Tenderers' representatives who are present shall be requested to sign the minutes. The omission of a Tenderer's signature on the minutes shall not invalidate the contents and effect of the minutes. A copy of the tender opening register shall be distributed to all Tenderers.	
	Carried Forward Ksh	

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	EVALUATION AND COMPARISON OF TENDERS		
	26 Confidentiality		
	26.1 Information relating to the evaluation of Tenders and recommendation of contract award shall not be disclosed to Tenderersorany other persons not officially concerned with the Tender process until information on Intention to Award the Contract is transmitted to all Tenderers in accordance with ITT 43.		
	26.2 Any effort by a Tenderer to influence the Procuring Entity in the evaluation of the Tenders or Contract award decisions may result in the rejection of its tender.		
	26.3 Not withstanding ITT 26.2, from the time of tender opening to the time of contract award, if a tenderer wishes to contact the Procuring Entity on any matter related to the tendering process, it shall do so in writing.		
	27.0 *Clarification of Tenders*		
	27.0 To assist in the examination, evaluation, and comparison of the tenders, and qualification of the tenderers, the Procuring Entity may, at its discretion, ask any tenderer for a clarification of its tender, given a reasonable time for aresponse. Any clarification submitted by a tenderer that is not in response to a request by the Procuring Entity shallnot be considered. The Procuring Entity's request for clarification and the response shall be in writing. No change, including any voluntary increase or decrease, in the prices or substance of the tender shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Procuring Entity in the evaluation of the tenders, in accordance with ITT 31.		
	27.1 If a tenderer does not provide clarifications of its tender by the date and time set in the Procuring Entity's request for clarification, its Tender may be rejected.		
	Carried Forward	Ksh	

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	28.0 *Deviations, Reservations, and Omissions*	
	28.0 During the evaluation of tenders, the following definitions apply: - a) *"Deviation"* is a departure from the requirements specified in the tender document; b) *"Reservation"* is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the tender document; and c) *"Omission"* is the failure to submit part or all of the information or documentation required in the Tender document.	
	29.0 *Determination of Responsiveness*	
	29.0 The Procuring Entity's determination of a Tender's responsiveness is to be based on the contents of the tender itself, as defined in ITT 11.	
	29.1 A substantially responsive Tender is one that meets the requirements of the Tender document withoutmaterial deviation, reservation, or omission. A material deviation, reservation, or omission is one that, if accepted, would: a) Affec tin any substantial way the scope, quality, or performance of the Works specified in the Contract; b) limit in any substantial way, inconsistent with the tender document, the Procuring Entity's rights or the tenderer's obligations under the proposed contract; c) if rectified, would unfairly affect the competitive position of other tenderers presenting substantially responsivetenders.	
	29.2 The Procuring Entity shall examine the technical aspects of the tender submitted in accordance with ITT 16, to confirm that all requirements of Section VII, Works' Requirements have been met without any material deviation, reservation or omission.	
	29.3 If a tender is not substantially responsive to the requirements of the tender document, it shall be rejected by the Procuring Entity and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.	
	Carried Forward Ksh	

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	30.0 *Non-material Non-conformities*		
	30.0 Provided that a tender is substantially responsive, the Procuring Entity may waive any non-conformities in the tender.		
	30.1 Provided that a Tender is substantially responsive, the Procuring Entity may request that the tenderer submit the necessary information or documentation, within a reasonable period of time, to rectify non-material non- conformities in the tender related to documentation requirements. Requesting information or documentation on such non-conformities shall not be related to any aspect of the price of the tender. Failure of the tenderer to comply with the request may result in the rejection of its tender.		
	30.2 Provided that a tender is substantially responsive, the Procuring Entity shall rectify quantifiable non-material non-conformities related to the Tender Price. To this effect, the Tender Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component in the manner specified **in the TDS.**		
	Carried Forward	Ksh	

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	Brought Forward Ksh	
	31.0 *Arithmetical Errors*	
	31.0 The tender sum as submitted and read out during the tender opening shall be absolute and final and shall not be the subject of correction, adjustment or amendment in any way by any person or entity.	
	31.1 Provided that the Tender is substantially responsive, the Procuring Entity shall handle errors on the following basis: - a) Any error detected if considered a major deviation that affects the substance of the tender, shall lead to disqualificationofthetenderasnon-responsive. b) Any errors in the submitted tender arising from a miscalculation of unit price, quantity, subtotal and total bidpriceshallbe considered as a major deviation that affects the substance of the tender and shall lead to disqualification of the tender as non-responsive. and c) if there is a discrepancy between words and figures, the amount in words shall prevail	
	31.2 Tenderers shall be notified of any error detected in their bid during the notification of award.	
	32.0 Conversion to Single Currency	
	For evaluation and comparison purposes, the currency(ies) of the Tender shall be converted in to a single currency asspecified in the **TDS**.	
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	33.0 *Margin of Preference and Reservations*		
	33.0 A margin of preference may be allowed only when the contract is open to international competitive tendering where foreign contractors are expected to participate in the tendering process and where the contract exceeds the value/threshold specified in the Regulations.		
	33.1 A margin of preference shall not be allowed unless it is specified so in the **TDS**.		
	33.2 Contracts procured on basis of international competitive tendering shall not be subject to reservations exclusive to specific groups as provided in ITT 33.4.		
	33.3 Where it is intended to reserve a contract to as pecific group of businesses (these groups are Small and Medium Enterprises, Women Enterprises, Youth Enterprises and Enterprises of persons living with disability, as the case may be), and who are appropriately registered as such by the authority to be specified in the **TDS**, a procuring entity shall ensure that the invitation to tender specifically indicates that only businesses or firms belonging to the specified group are eligible to tender. No tender shall be reserved to more than one group. If not so stated in the Invitation to Tender and in the Tender documents, the invitation to tender will be open to all interested tenderers.		
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	34.0 *Nominated Subcontractors*		
	34.0 Unless otherwise stated in the **TDS,** the Procuring Entity does not intend to execute any specific elements of the Works by subcontractors selected/nominated by the Procuring Entity. Incase the ProcuringEntity nominates a subcontractor, the subcontract agreement shall be signed by the Subcontractor and the Procuring Entity. The main contract shall specify the working arrangements between the main contractor and the nominated subcontractor.		
	34.1 Tenderers may propose sub-contracting up to the percentage of total value of contracts or the volume of works as specified in the **TDS**. Subcontractors proposed by the Tenderer shall be fully qualified for their parts of the Works.		
	34.2 Domestic subcontractor's qualifications shall not be used by the Tenderer to qualify for the Works unless their specialized parts of the Works were previously designated so by the Procuring Entity in the **TDS** a scan be met by subcontractors referred to hereafter as 'Specialized Subcontractors', in which case, the qualifications of the Specialized Subcontractorsproposed by the Tenderer may be added to the qualifications of the Tenderer.		
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	35. *Evaluation of Tenders*	
	35.1 TheProcuring Entity shall use the criteria and methodologies listed in this ITT and Section III, Evaluation and Qualification Criteria No other evaluation criteria or methodologies shall be permitted. By applying the criteria and methodologies the Procuring Entity shall determine theLowest Evaluated Tender in accordance with ITT 40.	
	35.2 To evaluate a Tender, the Procuring Entity shall consider the following:	
	a) priceadjustment in accordance with ITT 31.1 (iii); excluding provisional sums and contingencies, if any, but including Daywork items, where priced competitively;	
	b) price adjustment due to discounts offered in accordance with ITT 14.4;	
	c) converting the amount resulting from applying (a) and (b) above, if relevant, to a single currency in accordance with ITT 32;	
	d) pricea djustment due to quantifiable non materialnon-conformities in accordance with ITT 30.3; and	
	e) any additional evaluation factors specified in the **TDS** and Section III, Evaluation and Qualification Criteria.	
	35.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be consideredin Tender evaluation.	
	35.4 Where the tender involves multiple lots or contracts, the tenderer will be allowed to tender for one or more lots (contracts). Each lot or contract will be evaluated in accordance with ITT 35.2. The methodology to determine the lowest evaluated tenderer or tenderers base done lot (contract) or based on a combination of lots (contracts), will be specified in Section III, Evaluation and Qualification Criteria. In the case of multiple lots or contracts, tenderer will be will be required to prepare the Eligibility and Qualification Criteria Form for each Lot.	
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	36.0 Comparison of tenders		
	The Procuring Entity shall compare the evaluated costs of all substantially responsive Tenders established in accordance with ITT 35.2 to determine the Tender that has the lowest evaluated cost.		
	37.0 Abnormally low tenders and abnormally high tenders		
	Abnormally LowTenders		
	37.0 An Abnormally Low Tender is one where the Tender price, in combination with other elements of the Tender, appears so low that it raises material concerns as to the capability of the Tenderer in regards to the Tenderer's ability to perform the Contract for the offered Tender Price or that genuine competition between Tenderersis compromised.		
	37.1 In the event of identification of a potentially Abnormally Low Tender, the Procuring Entity shall seek written clarifications from the Tenderer, including detailed price analyses of its Tender price in relation to the subject matter of the contract, scope, proposed methodology, schedule, allocation of risks and responsibilities and any otherrequirements of the Tender document.		
	37.2 After evaluation of the price analyses, in the event that the Procuring Entity determines that the Tenderer has failed to demonstrate its capability to perform the Contract for the offered Tender Price, the Procuring Entity shall reject the Tender.		
	Abnormally high tenders		
	37.3 Anabnormally high tender price is one where the tender price, in combination with other constituent elements of the Tender, appears unreasonably too high to the extent that the Procuring Entity is concerned that it (the Procuring Entity) may not be getting value for money or it may be paying too high a price for the contract compared with market prices or that genuine competition between Tenderers is compromised.		
	37.4 Incase of a nab normally high price, the Procuring Entity shall make a survey of the		
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	market prices, check if the estimated cost of the contract is correct and review the Tender Documents to check if the specifications, scope of work and conditions of contract are contributory to the abnormally high tenders. The Procuring Entity may also seek written clarification from the tenderer on the reason for the high tender price. The Procuring Entity shall proceed as follows: i) If the tender price is abnormally high based on wrong estimated cost of the contract, the Procuring Entity may accept or not a ccept the tender depending on the Procuring Entity's budget considerations. ii) If specifications, scope of work and/or conditions of contract are contributory to the abnormally high tender prices, the Procuring Entity shall reject all tenders and may retender for the contract based on revised estimates, specifications, scope of work and conditions of contract, as the case may be. **37.5** If the Procuring Entity determines that the Tender Price is abnormally too high because genuine competition between tenderers is compromised (*often due to collusion, corruption or other manipulations*), the Procuring Entity shall reject all Tenders and shall institute or cause competent Government Agencies to institute an investigation on the cause of the compromise, before retendering.		
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	38.0 *Unbalanced and/ or front-loaded tenders*		
	38.0 If in the Procuring Entity's opinion, the Tender that is evaluated as the lowest evaluated price is seriously unbalanced and/or frontloaded, the Procuring Entity may require the Tenderer to provide written clarifications. Clarifications may include detailed price analyses to demonstrate the consistency of the tender prices with the scope of works, proposed methodology, schedule and any other requirements of the Tender document.		
	38.1 After the evaluation of the information and detailed price analyses presented by the Tenderer, the Procuring Entity may as appropriate: a) accept theTender; b) require that the total amount of the Performance Security be increased at the expense of the Tenderer to a level not exceeding a 30% of the Contract Price; c) agree on a payment mode that eliminates the inherent risk of the Procuring Entity paying too much for undelivered works; d) reject the Tender,		
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	39.0 *Qualifications of the tenderer*		
	39.0 The Procuring Entity shall determine to its satisfaction whether the eligible Tenderer that is selected as having submitted the lowest evaluated cost and substantially responsive Tender, meets the qualifying criteria specified in Section III, Evaluation and Qualification Criteria.		
	39.1 The determination shall be based upon an examination of the documentary evidence of the Tenderer's qualifications submitted by the Tenderer, pursuant to ITT 17. The determination shall not take into consideration the qualifications of other firms such as the Tenderer's subsidiaries, parent entities, affiliates, subcontractors (other than Specialized Sub-contractors if permitted in the Tender document), or any other firm(s) different from the Tenderer.		
	39.2 An affirmative determination shall be a prerequisite for award of the Contract to the Tenderer. A negative determination shall result in disqualification of the Tender, in which event the ProcuringEntityshallproceedto the Tenderer who offers a substantially responsive Tender with the next lowest evaluated price to make a similar determination of that Tenderer's qualifications to perform satisfactorily.		
	40.0 *Lowest evaluated tender*		
	Having compared the evaluated prices of Tenders, the Procuring Entity shall determine the Lowest Evaluated Tender. The Lowest Evaluated Tender is the Tender of the Tenderer that meets the Qualification Criteria and whose Tender has been determined to be: a) Most responsive to the Tender document; and b) the lowest evaluated price.		
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	41.0 Procuring entity's right to accept any tender, and to reject any or all tenders.		
	The Procuring Entity reserves the right to accept or reject any Tender and to annul the Tender process and reject all Tenders at any time prior to Contract Award, without there by incurring any liability to Tenderers. Incase of annulment, all Tenders submitted and specifically, Tender securities, shall be promptly returned to the Tenderers.		
	AWARD OF CONTRACT		
	42.0 Award criteria		
	The Procuring Entity shall award the Contract to the successful tenderer whose tender has been determined to be the Lowest Evaluated Tender.		
	43.0 *Notice of Intention to Enter into a Contract/Notification of Award*		
	Upon award of the contract and Prior to the expiry of the Tender Validity Period the Procuring Entity shall issue a Notification of Intention to Enter into a Contract / Notification of award to all tenderers which shall contain, at a minimum, the following information: a) the name and address of the Tenderer submitting the successful tender; b) the Contract price of the successful tender; c) a statement of the reason(s) the tender of the unsuccessful tenderer to whom the letter is addressed was unsuccessful, unless the price information in (c) above already reveals the reason; • expiry date of the Standstill Period; and • instruction son how to request a debriefing and/ or submit a complaint during the stand still period;		
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	44.0 *Stand still Period*		
	44.0 The Contract shall not be signed earlier than the expiry of a Standstill Period of 14 days to allow any dissatisfied tender to launch a complaint. Where only one Tender is submitted, the Standstill Period shall not apply.		
	44.1 Where a Standstill Period applies, it shall commence when the Procuring Entity has transmitted to each Tenderer the Notification of Intention to Enter into a Contract with the successful Tenderer.		
	45.0 *Debriefing by The Procuring Entity*		
	45.0 On receipt of the Procuring Entity's Notification of Intention to Enter into a Contract referred to in ITT 43, an unsuccessful tenderer may make a written request to the Procuring Entity for a debriefing on specific issues or concerns regarding their tender. The Procuring Entity shall provide the debriefing within five days of receipt of the request.		
	45.1 Debriefings of unsuccessful Tenderers may be done in writing or verbally. The Tenderer shall bear its own costs of attending such a debriefing meeting.		
	46.0 Letter of Award		
	Prior to the expiry of the Tender Validity Period and upon expiry of the Standstill Period specified in ITT 42.1, upon addressing a complaint that has been filed with in the Standstill Period, the Procuring Entity shall transmit the Letter of Award to the successful Tenderer. The letter of award shall request the successful tenderer to furnish the Performance Security within 21 days of the date of the letter.		
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	47.0 *Signing of Contract*		
	47.0 Upon the expiry of the fourteen days of the Notification of Intention to enter in to contract and upon the parties meeting their respective statutory requirements, the Procuring Entity shall send the successful Tenderer the Contract Agreement.		
	47.1 Within fourteen (14) days of receipt of the Contract Agreement, the successful Tenderer shall sign, date, and returnittotheProcuringEntity.		
	47.2 The written contract shall be entered into within the period specified in the notification of award and before expiry of the tender validity period.		
	48.0 Performance Security		
	48.0 Within twenty-one (21) days of the receipt of the Letter of Award from the Procuring Entity, the successful Tenderer shall furnish the Performance Security and, any other documents required in the **TDS**, in accordance with the General Conditions of Contract, subject to ITT 38.2 (b), using the Performance Security and other Forms included in Section X, Contract Forms, or another form acceptable to the Procuring Entity. A foreign institution providing a bank guarantee shall have a correspondent financial institution located in Kenya, unless the Procuring Entity has agreed in writing that a correspondent bank is not required.		
	48.1 Failure of the successful Tenderer to submit the above-mentioned Performance Security and otherdocuments required in the **TDS** or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Tender Security. In that event the Procuring Entity may award the Contract to the Tenderer offering the next Best Evaluated Tender.		
	48.2 Performance security shall not be required for contracts estimated to cost less than the amount specified inthe Regulations.		
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	49.0 Publication of Procurement Contract	
	Within fourteen days after signing the contract, the Procuring Entity shall publish the awarded contract at its notice boards and websites; and on the Website of the Authority. At the minimum, the notice shall contain the following information: a) name and address of the Procuring Entity; b) name and reference number of the contract being awarded, a summary of its scope and the selection method used; c) the name of the successful Tenderer, the final total contract price, the contract duration; d) dates of signature, commencement and completion of contract; e) names of all Tenderers that submitted Tenders, and their Tender prices as readout at Tender opening.	
	50.0 Procurement related Complaints and Administrative Review	
	0.1 The procedures for making Procurement-related Complaints are as specified in the **TDS.**	
	0.2 A request for administrative review shall be made in the form provided under contract forms.	
	Carried to Final Summary Ksh	

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APPENDIX TO INSTRUCTION TO TENDERERS

A

Reference to ITC Clause	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
A. General	
ITT 1.1	The name of the contract is ***Proposed Chuka University Main Librar*** The reference number of the Contract is **CU/OPNT/07/2021-2022** The number and identification of lots (contracts) comprising this Ten *[insert number and identification of lots (contracts)]* Lot 1- Name _____ ***Not Applicable*** Lot 2- Name _____ Lot… Name _____ ETC.
ITT 2.4	The Information made available on competing firms is as follows:
ITT 2.4	The firms that provided consulting services for the contract being te *Project Architects: -* *Baseline Architects Limited* *P.O Box 39928 - 00623* *Nairobi* *Project Civil/Structural Engineers: -* *M/s Mankan Consulting Engineers* *P.O Box 57866 - 00200* *Nairobi* *Project Quantity Surveyor:* *Impetus Cost Consultants Limited* *P.O Box 22006 - 00100* *Nairobi* *Project Mechanical Electrical Engineers: -* *Ms Metrocom Limited* *P.O Box 27090 - 00100* *Nairobi*
ITT 3.1	Maximum number of members in the Joint Venture (JV) shall be: *Th*
B. Contents of Tender Document	
ITT 7.1	(i) The Tenderer will submit any request for clarifications in writing ***po@chuka.ac.ke***

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	to reach the Procuring Entity not later than ***two days before deadlin*** (ii) The Procuring Entity shall publish its response at the website **ww**	
	ITT 7.2 (A) A pre-arranged pretender site visit ***shall*** take place at the followi Date: ***11th November,2021*** Time***: 12:00 noon*** Place***: Chuka University, Main Campus***	
	ITT 7.3 The Tenderer will submit any questions in writing, to reach the Proc before the meeting.	
	ITT 7.5 The Procuring Entity's website where Minutes of the pre-Tender me will be published is ***www.chuka.ac.ke***	
	ITT 9.1 For Clarification of Tender purposes, for obtaining further informatic documents, the Procuring Entity's address is: (1) Chuka University (2) studets' Recreation Centre, second floor (3) Postal Address 109-60400 (4) po@chuka.ac.ke	
	C. Preparation of Tenders	
	ITT 11.1 (h) The Tenderer shall submit the following additional documents in its ***All documents listed in the tender documents***	
	ITT 13.1 Alternative Tenders ***shall not be*** considered.	
	ITT 13.2 Alternative times for completion ***shall not be*** permitted.	
	ITT 13.4 Alternative technical solutions shall be permitted for the following __*N/A*_____ *[insert parts of the Works]:*	
	ITT 14.5 The prices quoted by the Tenderer shall be *subject to adjustment [in "fixed"]*	
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ITT 15.2 (a)	Foreign currency requirements **is not allowed.**
ITT 18.1	The Tender validity period shall be for *One Hundred and Eighty* Days
ITT 18.3	(a) The Number of days beyond the expiry of the initial tender valid (b) The Tender price shall be adjusted by the following percentages (i) By _*N/A*__% of *the local currency portion of the Contract price aa the period of extension,* *and* *(ii) By__N/A__% the foreign currency portion of the Contract price inflation during the period of extension.*
ITT 19.1	Tender shall provide ***a Tender Security*** The type of Tender security shall be in the amount of **Kenya shillings**
ITT 20.1	In addition to the original of the Tender, the number of copies is: ***On***
ITT 20.3	The written confirmation of authorization to sign on behalf of the Te *Attorney*
D. Submission and Opening of Tenders	
ITT 22.1	(A) For Tender submission purposes only, the Procuring Entity's addr (1) Name of Procuring Entity: **Chuka University** (2) Postal Address: **P.O. BOX 109 – 60400 CHUKA Attn. Vice Chanc** (3) Physical address for hand Courier Delivery to an office or Tende **Students' Recreation Centre Building 4th Floor Outside VC, s Of** Postal Address; **P.O. BOX 109-60400 CHUKA** (4) Date and time for submission of Tenders: ***As per the Advert*** (5) Tenderers shall ***Not submit*** tenders electronically.
ITT 25.1	The Tender opening shall take place at the time and the address for (1) Name of Procuring Entity: **Chuka University** (2) Physical address for the location: **Conference Hall Room 403, Administration Building 4th Floor.** (3) Date:- As per the Advert

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	ITT 25.1 — If Tenderers are allowed to submit Tenders electronically, they shall submission procedures **specified below** _____**N/A**_____	
	E. Evaluation, and Comparison of Tenders	
	ITT 30.3 — The adjustment shall be based on the ***_N/A__*** *[insert "average" or* component as quoted in other substantially responsive Tenders. If cannot be derived from the price of other substantially responsive its best estimate.	
	TT 32.1 — The currency that shall be used for Tender evaluation and comparis selling exchange rate all Tender prices expressed in various currenci ***Shillings___*** The source of exchange rate shall be: ***The Central bank of Kenya*** (m The date for the exchange rate shall be*: **the deadline date for Subm*** *For comparison of Tenders, the Tender Price, corrected pursuant to the respective amounts payable in various currencies by using the se Tenderer in accordance with ITT 15.1.*	
	ITT 33.2 — A margin of preference ***Shall Not***__apply.	
	ITT 33.4 — The invitation to tender is extended to the following group that qual _____***N/A***_____	
	ITT 34.1 — At this time, the Procuring Entity ***__Intends____*** *[insert "intends" or* specific parts of the Works by subcontractors selected in advance.	
	ITT 34.2 — Contractor's may propose subcontracting: Maximum percentage of __*N/A*_____*% of the total contract amount.* Tenderers planning to volume of work shall specify, in the Form of Tender, the activity (ies) subcontracted along with complete details of the subcontractors an	
	ITT 34.3 — *[Indicate N/A if not applicable]* The parts of the Works for which the Procuring Entity permits Tende Subcontractors are designated as follows: ***_N/A***_____	
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	For the above-designated parts of the Works that may require Speci qualifications of the proposed Specialized Subcontractors will be add Tenderer for the purpose of evaluation.	
ITT 35.2 (e)	Additional requirements apply. These are detailed in the evaluation Qualification Criteria.	
ITT 48.1	Other documents required in addition to the Performance Security 1) ***Contractual Work Programme which shall be a basis of price*** ***2) Contractual Cash Flow Projections as per contractual works***	
ITT 50.1	The procedures for making a Procurement-related Complaint are de Award the Contract" herein and are also available from the PPRA We complaints@ppra.go.ke. If a Tenderer wishes to make a Procurement-related Complaint, the following these procedures, in writing (by the quickest means availa email to: For the attention: **Justin K. Kathuru** Title/position: **Ag. Registrar (Administration and Planning)** Procuring Entity: **Chuka University** Email address: ***publiccomplaints*@chuka.ac.ke** In summary, a Procurement-related Complaint may challenge any of (i) the terms of the Tender Documents; and (ii) the Procuring Entity's decision to award the contract.	
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STANDARD FORM

FORM OF TENDER

FORM OF TENDER

INSTRUCTIONS TO TENDERERS

i) The Tenderer must prepare this Form of Tender on stationery with its letterhead clearly showing the Tenderer's complete name and business address.

ii) Allitalicized text is to help Tenderer in preparing this form.

iii) Tenderer must complete and sign CERTIFICATE OF INDEPENDENT TENDER DETERMINATION and the SELF DECLARATION OF THE TENDERER attached to this Form of Tender.

iv) The Form of Tender shall include the following Forms duly completed and signed by the Tenderer.

- *Tenderer's Eligibility- Confidential Business Questionnaire*
- *Certificate of Independent Tender Determination*
- *Self-Declaration of the Tenderer*

Date of thisTender submission: *[insert date (as day, month and year) of Tender submission]* **Request for Tender No.:** *[insert identification]* **Name and description of Tender** *[Insert as per ITT)* **Alternative No.:** *[insert identification No if this is a Tender for an alternative]*

To: *[insert complete name of Procuring Entity]*

Dear Sirs,

1. In accordance with the Conditions of Contract, Specifications, Drawings and Bills of Quantities for the execution of the above named Works, we, the undersigned offer to construct and complete the Works and remedy any defects therein for the sum[1] of Kenya Shillings [*[Amount in figures]* _____Kenya Shillings *[amount in words]*_____

Carried Forward Ksh

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	The above amount includes foreign currency[2] amount (s) of [*state figure or a percentage and currency*] [figures]_____[words] _____ _____ _	
	2. We undertake, if our tender is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Architect notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the Special Conditions of Contract.	
	3. We agree to adhereby this tender until_____*[Insert date],* and it shall remain binding upon us and may be accepted at any time before that date.	
	4. We understand that you are not bound to accept the lowest or any tender you may receive.	
	5. We, the under signed, further declare that:	
	i) No reservations: We have examined and have no reservations to the tender document, including Addenda issuedinaccordance with ITT 28;	
	ii) Eligibility: We meet the eligibility requirements and have no conflict of interest in accordance with ITT 3 and 4;	
	iii) Tender - Securing Declaration: We have not been suspended nor declared ineligible by the Procuring Entity based on execution of a Tender-Securing or Proposal-Securing Declaration in the Procuring Entity's Country in accordance with ITT 19.8;	
	iv) Conformity: We offer to execute in conformity with the tendering documents and in accordance with the implementation and completion specified in the construction schedule, the following Works: *[insert a brief description of the Works];*	
	v) Tender Price: The total price of our Tender, excluding any discounts offered in item 1 above is: *[Insert one of the options below as appropriate]*	
	vi Option 1, incase of one lot: Total priceis: *[insert the total price of the Tender in words and figures, indicating the various amounts and the respective currencies*]; or	
	Option2, in case of multiple lots:	
	(a) Total price of each lot [*insert the total price of each lot in words and figures,*	
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	indicating the various amounts and the respective currencies]; and (b) Total price of all lots (sum of all lots) [*insert the total price of all lots in words and figures, indicating the various amounts and the respective currencies*]; vii) Discounts: The discounts offered and the methodology for their application are: viii) The discounts offered are: [*Specify in detail each discount offered.*] ix) The exact method of calculations to determine the net price after application of discounts is shown below: [*Specify in detail the method that shall be used to apply the discounts*]; x) Tender Validity Period: Our Tender shall be valid for the period specified in TDS 18.1 (as amended, if applicable) from the date fixed for the Tender submission deadline specified in TDS 22.1 (as amended, if applicable), and it shall remain binding upon us and may be accepted at any time before the expiration of that period; xi) Performance Security: If our Tender is accepted, we commit to obtaina Performance Security in accordance with the Tendering document; xii) One Tender Per Tender: Weare not submitting any other Tender(s) as an individual Tender, and we are not participating in any other Tender(s) as a Joint Venture member or as a sub-contractor, and meet the requirements of ITT 3.4, other than alternative Tenders submitted in accordance with ITT 13.3; xiii) Suspension and Debarment: We, along with any of our subcontractors, suppliers, Engineer, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by any entity or individual that is subject to, a temporary suspension or a debarment imposed by the Public Procurement Regulatory Authority or any other entity of the Government of Kenya, or any international organization. xiv) State-owned enterprise or institution: [*select the appropriate option and delete the other*] [*We are not a state- owned enterprise or institution*]/[*We are a state-owned enterprise or institution but meet the requirements of ITT3.8*]; *xv)* Commissions, gratuities, fees: We have paid, or will pay the following commissions,	
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gratuities, or fees with respect to the tender process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity].*

Name of Recipient	Address	Reason	Amount

(If none has been paid or is to be paid, indicate "none.")

xvi) Binding Contract: We understand that this Tender, together with your written acceptance there of included in your Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed;

xvii) Not Bound to Accept: We understand that you are not bound to accept the lowest evaluated cost Tender, the Most Advantageous Tender or any other Tender that you may receive;

xviii) Fraud and Corruption: We here by certify that we have taken steps to ensure that no personacting for us or on our behalf engages in any type of Fraud and Corruption; and

xix) Collusive practices: We hereby certify and confirm that the tender is genuine, non-collusive and made with the intention of accepting the contract if awarded. To this effect we have signed the "Certificate of Independent Tender Determination" attached below.

xx) We undertake to adhere by the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal, copy available from____(*specify website*) during the procurement process and the execution of any resulting contract.

xxi) We, the Tenderer, have completed fully and signed the following Forms as part of our Tender:

a) Tenderer's Eligibility; Confidential Business Questionnaire - to establish we are no tin any conflict to interest.

Carried Forward Ksh

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	(b) Certificate of Independent Tender Determination - to declare that we completed the tender without colluding with other tenderers. (a) Self-Declarationo f the Tenderer - to declare that we will, if awarded a contract, not engage in any form of fraud and corruption. (d) Declaration and commitment to the Code of Ethics for Persons Participating in Public Procurement and Asset Disposal. Further, we confirm that we have read and understood the full content and scope of fraud and corruption as informed in **"Appendix 1 - Fraud and Corruption"** attached to the Form of Tender. **Name of the Tenderer:** *[*insert complete name of person signing the Tender*] **Name of the person duly authorized to sign the Tender on behalf of the Tenderer:** **[*insert complete name of person duly authorized to sign the Tender*] **Title of the person signing the Tender**: [*insert complete title of the person signing the Tender*] **Signature of the person named above**: [*insert signature of person whose name and capacity are shown above*] **Date signed** [*insert date of signing*] day of [*insert month*], [*insert year*] Datesigned_____dayof_____ ** In the case of the Tender submitted by joint venture specify the name of the Joint Venture as Tenderer.* ***Person signing the Tender shall have the power of attorney given by the Tenderer to be attached with the Tender.* *FORM OF TENDER - SECURING FORM* **FORM OF TENDER - SECURING DECLARATION**	
	Carried Forward Ksh	

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	[The Bidder shall complete this Form in accordance with the instructions indicated] Date: ..... *[insert date (as day, month and year) of Tender Submission]* Tender No.: ..... *[insert number of tendering process]* To: ..... *[insert complete name of Purchaser]* I/We, the undersigned, declare that: 1. I/We understand that, according to your conditions, bids must be supported by a Tender-Securing Declaration. 2. I/We accept that I/we will automatically be suspended from being eligible for tendering in any contract with the Purchaser for the period of time of [insert number of months or years] starting on [insert date], if we are in breach of ourobligation(s) under the bid conditions, because we–(a) have withdrawn our tender during the period of tender validity specified by us in the Tendering Data Sheet; or (b) having been notified of the acceptance of our Bid by the Purchaser during the period of bid validity, (i) fail or refuse to execute the Contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with the instructions to tenders. 3. I/We understand that this Tender Securing Declaration shall expire if we are not the successful Tenderer(s), upon the earlier of: a) Our receipt of a copy of your notification of the name of the successful Tenderer; or b) thirty days after the expiration of our Tender. 4. I/We understand that if Iam /we are/ in a Joint Venture, the Tender Securing Declaration must be in the name of the Joint Venture that submits the bid, and the Joint Venture has not been legally constituted at the time of bidding, the Tender Securing Declaration shall be in the names of all future partners as named in the letter of intent. Signed:……..…….. Capacity/title (director or partner or sole proprietor, etc.) …….…….....……. Name:…….. Duly authorized to sign the bid for and on behalf of: *[insert complete name of Tenderer]* Dated on ……. day of ……., ……. *[Insert date of signing]* Seal	
	Carried Forward Ksh	
	Section No. 5 Bill No. 1 FORM OF TENDER *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*	

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Amount Kshs*
	Brought Forward Ksh	
	orstamp	
	Carried to Final Summary Ksh	
	Section No. 5 Bill No. 1 FORM OF TENDER *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*	

Item No		*Amount Kshs*

STANDARD FORM

TENDER SECURITY

Demand Bank Guarantee

Beneficiary:_____ **Request forTen**

Guarantor: _____

1. We have been informed that_____(here inafter called "the Applicant") has submitted or will submit to the Beneficiary its Tender (here inafter called" the Tender") for the execution of_____ under Request for Tenders No._____

2. Furthermore, we understand that, according to the Beneficiary's conditions, Tenders must be supported by a Tender guarantee.

3. At the request of the Applicant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of_____(___) upon receipt by us of the Beneficiary's complying demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Applicant:

(a) has withdrawn its Tender during the period of Tender validity set forth in the Applicant's Letter of Tender ("the Tender Validity Period"), or any extension thereto provided by the Applicant; or

b) having been notified of the acceptance of its Tender by the Beneficiary during the Tender Validity Period or any extension there to provided by the Applicant, (i) has failed to execute the contract agreement, or (ii) has failed to furnish the Performance.

4. This guarantee will expire: (a) if the Applicant is the successful Tenderer, upon our receipt of copies of the contract agreement signed by the Applicant and the Performance Security and, or (b) if the Applicant is not the successful Tenderer, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the Tendering process; or (ii) thirty days after the end of the Tender Validity Period.

Carried Forward Ksh

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	Brought Forward Ksh	
	5. Consequently, any demand for payment under this guarantee must be received by us at the office indicated above onor before that date. *[signature(s)]* ***Note: All italicized text is for use in preparing this form and shall be deleted from the final product.***	
	Insurance Guarantee **TENDER GUARANTEE No.: _____**	
	1. Whereas …… [*Name of the tenderer]* (hereinafter called "the tenderer") has submitted its tender dated …… [*Date of submission of tender]* for the …… *[Name and/or description of the tender]* (hereinafter called "the Tender") for the execution of _under Request for Tenders No._____("the ITT"). 2. KNOW ALL PEOPLE by these presents that WE …… of …… [**Name of Insurance Company**] having our registered office at …… (hereinafter called "the Guarantor"), are bound unto …….. [*Name of Procuring Entity*] (hereinafter called "the Procuring Entity") in the sum of …… (Currency and guarantee amount) for which payment well and truly to be made to the said Procuring Entity, the Guarantor binds itself, its successors and assigns, jointly and severally, firmly by these presents. Sealed with the Common Seal of the said Guarantor this ___day of _____ 20 __. 3. NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if the Applicant:	
	Carried Forward Ksh	

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a) has withdrawn its Tender during the period of Tender validity set forth in the Principal's Letter of Tender ("the Tender Validity Period"), or any extension thereto provided by the Principal; or

b) having been notified of the acceptance of its Tender by the Procuring Entity during the Tender Validity Period or any extension thereto provided by the Principal; (i) failed to execute the Contract agreement; or (ii) has failed to furnish the Performance Security, in accordance with the Instructions to tenderers ("ITT") of the Procuring Entity's Tendering document.

then the guarantee undertakes to immediately pay to the Procuring Entity up to the above amount upon receipt of the Procuring Entity's first written demand, without the Procuring Entity having to substantiate its demand, provided that in its demand the Procuring Entity shall state that the demand arises from the occurrence of any of the above events, specifying which event(s) has occurred.

4. This guarantee will expire: (a) if the Applicant is the successful Tenderer, upon our receipt of copies of the contract agreement signed by the Applicant and the Performance Security and, or (b) if the Applicant is not the successful Tenderer, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the Tendering process; or (ii)twenty-eight days after the end of the Tender Validity Period.

5. Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

_____	_____
[Date]	*[Signature of the Guarantor]*
_____	_____
[Witness]	*[Seal]*

Note: All italicized text is for use in preparing this form and shall be deleted from the final product.

	Carried to Final Summary Ksh	

Section No. 6
Bill No. 1
BID BOND

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*
	GENERAL CONDITIONS OF CONTRACT	
	1. *GENERAL PROVISIONS*	
	1.1 Definitions	
A	In this Contract, except where context otherwise requires, the following terms shall be interpreted as indicated below. Words indicating persons or parties include corporations and other legal entities, except where the context requires otherwise.	
	"Accepted Contract Amount" means the amount accepted in the Letter of Acceptance for the execution and completion of the Works and the remedying of any defects.	
	"Base Date" means a date 30 day prior to the submission of tenders.	
	"Bill of Quantities" means the priced and completed Bill of Quantities forming part of the tender.	
	"Completion Date" means the date of completion of the Works as certified by the Engineer.	
	"Contract Price" means the price defined in the contract and there after as adjusted in accordance with the provisions of the Contract.	
	"Contract" means the agreement entered into between the Procuring Entity and the Contractor as recorded in the Agreement Form and signed by the parties including all attachments and appendices thereto and all documents incorporated by reference therein to execute, complete, and maintain the Works.	
	"Contractor's Documents" means the calculations, computer programs and other software, progress reports, drawings, manuals, models and other documents of a technical nature (if any) supplied by the Contractor under the Contract.	
	"Contractor's Equipment" means all apparatus, machinery, vehicles and other things required for the execution and completion of the Works and the remedying of any defects. However, Contractor's Equipment excludes Temporary Works, Procuring Entity's Equipment (if any), Plant, Materials and any other things intended to form or forming part	
	Carried Forward Ksh	

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	of the Permanent Works. **"Contractor'sPersonnel"** means the Contractor's Representative and all personnel whom the Contractor utilizes on Site, who may include the staff, labor and other employees of the Contractor and of each Subcontractor; and any other personnel assisting the Contractor in the execution of the Works. **"Contractor's Representative"** means the person named by the Contractor in the Contractor appointed from time to timeby the Contractor who acts on behalf of the Contractor. **"Contractor"** means the person(s) named as contractor in the Form of Tender accepted by the Procuring Entity. **"Cost"** means expenditure reasonably incurred (or to be incurred) by the Contractor, whether on or off the Site, including overhead and similar charges, but does not include profit. **"Day"** means a calendar day and **"year"** means 365 days. **"Dayworks"** means Work inputs subject to payment on a time basis for labour and the associated materials and plant. **"Defect"** means any part of the Works not completed in accordance with the Contract. **"Defects Liability Certificate"** means the certificate issued by Architect upon correction of defects by the Contractor. **"Defects Liability Period"** means the period named in the Special Conditions of Contract and calculated from the Completion Date, within which the contractor is liable for any defects that may develop in the handed over works. **"Defects Notification Period"** means the period for notifying defects in the Works oraSection(asthecasemaybe) under Sub-Clause 11.1 [Completion of Outstanding Work and Remedying Defects], whichextendsoverthedaysstated intheSpecialConditionsofContract. **"Drawings"** means the drawings of the Works, as included in the Contract, and any additional and modified drawings issued by (or on behalf of) the Procuring Entity in	
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	accordance with the Contract. **"Final Payment Certificate"** means the payment certificate issued under Sub-Clause 14.13 [Issue of Final Payment Certificate]. **"Final Statement"** means the statement defined in Sub-Clause 14.11 [ApplicationforFinalPaymentCertificate]. **"Force Majeure"** is defined in Clause19 [Force Majeure]. **"Foreign Currency"** means a currency of another country (not Kenya) in which part (or all) of the Contract Price is payable, but not the Local Currency. **"Goods"** means Contractor's Equipment, Materials, Plant and Temporary Works, or any of them as appropriate. **"Interim Payment Certificate"** means a payment certificate issued under Clause 14 [Contract Price and Payment], other than the Final Payment Certificate. **"Laws"** means all national legislation, statutes, ordinances, and regulations and by-laws of any legally constituted public authority. **"Letter of Acceptance"** means the letter of formal acceptance of a tender, signed by Procuring Entity, including any annexed memoranda comprising agreements between and signed by both Parties. **"Local Currency"** means the currency of Kenya. **"Materials"** means things of all kinds (other than Plant) intended to form or forming part of the Permanent Works, including the supply-only materials (if any) to be supplied by the Contractor under the Contract. **"Notice of Dissatisfaction"** means the notice given by either Party to the other under Sub-Clause 20.3 indicating its dissatisfaction and intention to commence arbitration. **"Special Conditions of Contract"** means the pages completed by the Procuring Entity entitled Special Conditions of Contract which constitute Part A of the Special Conditions. **"Party"** means the Procuring Entity or the Contractor, as the context requires.	
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	"**Payment Certificate"** means a payment certificate issued under Clause 14 [Contract Price and Payment].	
	"Performance Certificate" means the certificate issued under Sub-Clause 11.9 [Performance Certificate].	
	"Performance Security" means the security (or securities, if any) under Sub-Clause 4.2 [Performance Security].	
	"Permanent Works" means the permanent works to be executed by the Contractor under the Contract.	
	"Plant" means the apparatus, machinery and other equipment intended to form or forming part of the Permanent Works, including vehicles purchased for the Procuring Entity and relating to the construction or operation of the Works.	
	"Procuring Entity's Equipment" means the apparatus, machinery and vehicles (if any) made available by the Procuring Entity for the use of the Contract or in the execution of the Works, as stated in the Specification; but does not include Plant which has not been taken over by the Procuring Entity.	
	"Procuring Entity's Personnel" means the Engineer, the Engineer, the assistants and all other staff, labor and other employees of the Architect and of the Procuring Entity; and any other personnel notified to the Contractor, by the Procuring Entity or the Engineer, as Procuring Entity's Personnel.	
	"Procuring Entity" means the Entity named in the Special Conditions of Contract.	
	"Engineer" is the person named in the Appendix to Conditions of Contract (or any other competent person appointed by the Procuring Entity and notified to the Contractor, to act in replacement of the Engineer) who is responsible for supervising the execution of the Works and administering the Contract and shall be an "Architect" or a "Quantity Surveyor" registered under the Architects and Quantity Surveyors Act Cap 525 or an "Engineer" registered under Engineers Registration Act Cap 530.	
	"Engineer" means the person appointed by the Procuring Entity to act as the Architect for the purposes of the Contract and named in the Special Conditions of Contract, or other person appointed from time to time by the Procuring Entity and notified to the Contractor	
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	"Provisional Sum" means a sum (if any) which is specified in the Contract as a provisional sum, for the execution of any part of the Works or for the supply of Plant, Materials or services under Sub-Clause 13.5 [Provisional Sums].	
	"Retention Money" means the accumulated retention moneys which the Procuring Entity retains under Sub-Clause 14.3 [Application for Interim Payment Certificates] and pays under Sub-Clause 14.9 [Payment of Retention Money].	
	"Schedules" means the document(s) entitled schedules, completed by the Contractor and submitted with the Form of Tender, as included in the Contract.	
	"Section" means a part of the Works specified in the Special Conditions of Contract as a Section (if any)	
	"Site Investigation Reports" are those reports that may be included in the tendering documents which a ref actual and interpretative about the surface and sub-surface condition sat the Site.	
	"Site" means the places where the Permanent Works are to be executed, including storage and working areas, and to which Plant and Materials are to be delivered, and any other places as may be specified in the Contract as forming part of the Site.	
	"Specification" means the document entitled specification, as included in the Contract, and any additions and modifications to the specification in accordance with the Contract. Such document specifies the Works.	
	"Start Date" or "Commencement Date"is the latest date when the Contractor shall commence execution of the Works. It does not necessarily coincide with the Site possession date(s).	
	"Statement" means a statement submitted by the Contractor as part of an application, under Clause 14 [Contract Price and Payment], for a payment certificate.	
	"Subcontractor" means any person named in the Contract as a subcontractor, or any person appointed as a subcontractor, for a part of the Works.	
	"Taking-Over Certificate" means a certificate issued under Clause 10 [Procuring Entity's Taking Over].	
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	"Temporary Works" means all temporary works of every kind (other than Contractor's Equipment) required on Site for the execution and completion of the Permanent Works and the remedying of any defects.		
	"Temporary works" means works designed, constructed, installed, and removed by the Contractor which are needed for construction or installation of the Works.		
	"Tender" means the Form of Tender and all other documents which the Contractor submitted with the Form of Tender, as included in the Contract.		
	"Tests after Completion" means the tests (if any) which are specified in the Contract and which are carried out in accordance with the Specification after the Works or a Section (as the case may be) are taken over by the Procuring Entity.		
	"Testson Completion" means the tests which are specified in the Contractor agreed by both Parties or instructed as a Variation, and which are carried out under Clause 9 [Tests on Completion] before the Works or a Section (as the case may be) are taken over by the Procuring Entity.		
	"Time for Completion" means the time for completing the Works or a Section (as the case may be) as stated in the Special Conditions of Contract (with any extension calculated from the Commencement Date.		
	"Unforeseeable" means not reasonably foreseeable by an experienced contractor by the Base Date.		
	"Variation" means any change to the Works, which is instructed or approved as a variation under Clause 13 [Variations and Adjustments].		
	"Works" means the items the Procuring Entity requires the Contractor to undertake as defined in the Appendix to Conditions of Contract. **"Works" may** also mean the Permanent Works and the Temporary Works, or either of them as appropriate.		-
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Item No			*Amount Kshs*	
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	1.2 Interpretation			
A	In the Contract, except where the context requires otherwise: a) Words indicating one gender include all genders; b) words indicating the singular also include the plural and words indicating the plural also include the singular; c) provisions including the word "agree", "agreed" or "agreement" require the agreement to be recorded in writing; d) "written" or "in writing" means hand-written, type-written, printed or electronically made, and resulting in a permanent record; and The marginal words and other headings shall not be taken into consideration in the interpretation of these Conditions.			-
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	1.3 Communications		
A	1.3.1 Wherever these Conditions provide for the giving or issuing of approvals, certificates, consents, determinations, notices, requests and discharges, these communicatiWherever these Conditions provide for the giving or issuing of approvals, certificates, consents, determinations, notices, requests and discharges, these communications shall be: a) In writing and delivered by hand (against receipt), sent by mail or courier, or b) delivered, sentor transmitted to the address for the recipient's communications as stated in the Special Conditions of Contract. However: i) if the recipient gives notice of another address, communications shall thereafter be delivered accordingly; and ii) if the recipient has not stated otherwise when requesting an approval or consent, it may be sent to the address from which the request was issued. 1.3.2 Approvals, certificates, consents and determinations shall not be unreasonably withheld or delayed. When a certificate is issued to a Party, the certifier shall send a copy to the other Party. When a notice is issued to a Party, by the other Party or the Engineer, a copy shall be sent to the Architect or the other Party, as the case may be. 1.3.3 ons shall be: a) In writing and delivered by hand (against receipt), sent by mail or courier, or b) delivered, sentor transmitted to the addressf or the recipient's communications as stated in the Special Conditions of Contract. However: i) if the recipient gives notice of another address, communications shall thereafter be delivered accordingly; and ii) if the recipient has not stated otherwise when requesting an approval or consent, it may be sent to the addressfromwhichthe reques twas issued. 1.3.4 Approvals, certificates, consents and determinations shall not be unreasonably withheld or delayed. When a certificate is issued to a Party, the certifier shall send a copy to the other Party. When a notice is issued to a Party, by the other Party or the Engineer, a copy shall be sent to the Architect or the other Party, as the case may be.		-
	Carried Forward Ksh		

Section No. 7
Bill No. 1
GENERAL CONDITIONS OF CONTRACT
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	1.4 Law and Language		
A	1.4.1 The Contract shall be governed by the laws of **Kenya.**		
	1.4.2 The ruling language of the Contract shall be **English.**		-
	1.5 Priority of Documents		
B	The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence: a) The Contract Agreement, b) The Letter of Acceptance, c) The Special Conditions – Part A, d) the Special Conditions – Part B e) the General Conditions of Contract f) the Form of Tender, g) the Specifications and Bills of Quantities h) the Drawings, and i) the Schedules and any other documents forming part of the Contract. If an ambiguity or discrepancy is found in the documents, the Architect shall issue any necessary clarification or instruction.		-
	Carried Forward Ksh		

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	1.6 Contract Agreement		
A	The Parties shall enter into a Contract Agreement within 14 days after the Contractor receives the Contract Agreement, unless the Special Conditions establish otherwise. The Contract Agreement shall be based upon the form annexed to the Special Conditions. The costs of stamp duties and similar charges (if any) imposed by law in connection with entry into the Contract Agreement shall be borne by the Procuring Entity.		-
	1.7 Assignment		
B	The Contractor shall not assign the whole or any part of the Contract or any benefit or interest in or under the Contract. However, the contractor: a) May as sign the whole or any part with the prior consent of the Procuring Entity, and b) may, as security in favour of a bank or Financial institution, assign its right to moneys due, or to become due, under the Contract.		-
	Carried Forward Ksh		

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	1.8 Care and Supply of Documents			
A	1.8.1 The Specifications and Drawings shall be in the custody and care of the Procuring Entity.Unless otherwise stated in the Contract, two copies of the Contract and of each subsequent Drawings and Bills of Quantities shall be supplied to the Contractor, who may make or request further copies at the cost of the Contractor. 1.8.2 Each of the Contractor's Documents shall be in the custody and care of the Contractor, unless and until taken over by the Procuring Entity. Unless otherwise stated in the Contract, the Contractor shall supply to the Architect two copies of each of the Contractor's Documents. 1.8.3 The Contractor shall keep, on the Site, a copy of the Contract, publications named in the Specification, the Contractor's Documents (if any), the Drawings and Variations and other communications given under the Contract.The Procuring Entity's Personnel shall have the right of access to all these documents at all reasonable times. 1.8.4 If a Party becomes aware of an error or defect in a document which was prepared for use in executing the Works, theParty shall promptly give notice to the other Party of such error or defect.			-
	Carried Forward	Ksh		

Item No		*Amount Kshs*
	Brought Forward Ksh	
	1.9 Timely provision of Drawings or Instructions	
A	1.9.1 The Contractor shall give notice to the Architect whenever the Works are likely to be delayed or disrupted if any necessary drawing or instruction is not issued to the Contractor within a particular time, which shall be reasonable. The notice shall include and the nature and amount of the delay or disruption likely to be suffered if it is late.	
	1.9.2 If the Contractor suffers delay and/or incurs Cost as a result of a failure of the Architect to issue the notified drawing or instruction within a time which is reasonable and is specified in the notice with supporting details, the Contractor shall give a further notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:	
	a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and	
	b) payment of any other associated costs accrued, which shall be included in the Contract Price.	
	1.9.3 After receiving this further notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.	
	1.9.4 However, if and to the extent that the Architect failure was caused by any error or delay by the Contractor, including an error in, or delay in the submission of, any of the Contractor's Documents, the Contractor shall not be entitled to such extension of time, or costs accrued.	-
	Carried Forward Ksh	

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	1.10 Procuring Entity's Use of Contractor's Documents			
A	1.10.1 Asagreed between the Parties, the Contractor shall retain the copyright and other intellectual property rights in the Contractor's Documents and other design documents made by (or on behalf of) the Contractor.			
	1.10.2 Procuring The Contractor shall be deemed (by signing the Contract) to give to the Entity a non-terminable transferable non-exclusive royalty-free license to copy, use and communicate the Contractor's Documents, including making and using modifications of them. This license shall:			
	a) apply throughout the actual or intended working life (whichever is longer) of the relevant parts of the Works,			
	b) entitle any person in proper possession of the relevant part of the Works to copy, use and communicate the Contractor's Documents for the purposes of completing, operating, maintaining, altering, adjusting, repairing and demolishing the Works, and			
	c) in the case of Contractor's Documents which are in the form of computer programs and other software, permit their use on any computer on the Site and other places as envisaged by the Contract, including replacements of any computers supplied by the Contractor.			
	1.10.3 of) The Contractor's Documents and other design documents made by (or on behalf the Contractor shall not, without the Contractor's consent, be used, copied or communicated to a third party by (or on behalf of) the Procuring Entity for purposes other than those permitted under Sub-Clause 1.10.2.			-
	Carried Forward	Ksh		

Item No		Ksh	*Amount Kshs*	
	Brought Forward			
	1.11 Contractor's Use of Procuring Entity's Documents			
A	As agreed between the Parties, the Procuring Entity shall retain the copyright and other intellectual property rights in the Specification, the Drawings and other documents made by (or on behalf of) the Procuring Entity. The Contractor may, at his cost, copy, use, and obtain communication of these documents for the purposes of the Contract. They shall not, without the Procuring Entity's consent, be copied, used or communicated to a third party by the Contractor, except as necessary for the purposes of the Contract.			-
	1.12 Confidential Details			
B	1.12.1 The Contractor's and the Procuring Entity's Personnel shall ensure confidentiality at all times. The confidentiality shall survive termination or completion of the contract. They shall disclose all such confidential and other information as may be reasonably required in order to verify compliance with the Contract and allow its proper implementation.			
	1.12.2 The Contractor's and the Procuring Entity's Personnel shall also treat the details of the Contract as private and confidential, except to the extent necessary to carry out their respective obligations under the Contract or to comply with applicable Laws. Each of them shall not publish or disclose any particulars of the Works prepared by the other Party without the previous agreement of the other Party. However, the Contractor shall be permitted to disclose any publicly available information, or information otherwise required to establish his qualifications to compete for other projects.			-
	Carried Forward	Ksh		

Section No. 7
Bill No. 1
GENERAL CONDITIONS OF CONTRACT

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	1.13 Compliance with Laws		
A	The Contractor shall, in performing the Contract, comply with applicable Laws. Unless otherwise stated in the Special Conditions of Contract: a) The Procuring Entity shall have obtained (or shall obtain) the planning, zoning, building permit or similar permission for the Permanent Works, and any other permissions described in the Specifications as having been (or to be) obtained by the Procuring Entity; and the Procuring Entity shall indemnify and hold the Contractor harmless against and from the consequences of any failure to do so; and b) the Contractor shall give all notices, pay all taxes, duties and fees, and obtain all permits, licenses and approvals, as required by the Laws in relation to the execution and completion of the Works and the remedying of any defects; and the Contractor shall indemnify and hold the Procuring Entity harmless against and from the consequences of any failure to do so, unless the Contractor is impeded to accomplish these actions and shows evidence of its diligence.		-
	1.14 Joint and Several Liability		
B	If the Contractor constitutes (under applicable Laws) a joint venture, consortium or other unincorporated grouping of two or more persons: a) These persons shall be deemed to be jointly and severally liable to the Procuring Entity for the performance of the Contract; b) these persons shall notify the Procuring Entity of their leader who shall have authority to bind the Contractor and each of these persons; and c) the Contractor shall not alter its composition or legal status without the prior consent of the Procuring Entity.		-
	Carried Forward Ksh		

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	1.15 Inspections and Audit by the Procuring Entity			
A	Pursuant to paragraph 2.2(e). of Appendix B to the General Conditions, the Contractor shall permit and shall cause its subcontractors and sub-consultants to permit, the Public Procurement Regulatory Authority, Procuring Entity and/or persons appointed or designated by the Government of Kenya to inspect the Site and/or the accounts and records relating to the procurement process, selection and/or contract execution, and to have such accounts and records audited by auditors appointed by the Procuring Entity if requested by the Procuring Entity. The Contractor's and its Subcontractors' and sub-consultants' attention is drawn to Sub-Clause 15.6 (Fraud and Corruption) which provides, inter alia, that acts intended to materially impede the exercise of the Procuring Entity's inspection and audit rights constitute a prohibited practice subject to contract termination (as well as to a determination of in eligibility pursuant to the Procuring Entity's prevailing sanctions procedures).			-
	2. THE PROCURING ENTITY			
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Item No		*Amount Kshs*	
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	2.1 Right of Access to the Site		
A	2.1.1 The Procuring Entity shall give the Contractor right of access to, and possession of, all parts of the Site within thetime (or times) stated in the **Special Conditions of Contract.** The right and possession may not be exclusive to the Contractor. If, under the Contract, the Procuring Entity is required to give (to the Contractor) possession ofanyfoundation, structure, plant or means of access, the Procuring Entity shall do so in the time and manner stated in the Specification. However, the Procuring Entity may withhold any such right or possession until the Performance Security has been received.		
	2.1.2 If no such time is stated in the Special Conditions of Contract, the Procuring Entity shall give the Contractor right of access to, and possession of, the Site within such times as required to enable the Contractor to proceed without disruption in accordance with the programme submitted under Sub-Clause 8.3 [Programme].		
	2.1.3 If the Contractor suffers delay and/or incurs Cost as a result of a failure by the Procuring Entity to give any such right or possession within such time, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to: a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and b) payment of any such Cost-plus profit, which shall be included in the Contract Price.		
	2.1.4 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.		
	2.1.5 However, if and to the extent that the Procuring Entity's failure was caused by any error or delay by the Contractor, including an error in, or delay in the submission of, any of the Contractor's Documents, the Contractor shall not be entitled to such extension of time, Cost or profit.		-
	Carried Forward Ksh		

Item No		*Amount Kshs*	
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	2.2 Permits, Licenses or Approvals		
A	2.2.1 The Procuring Entity shall provide, at the request of the Contractor, such reasonable assistance as to allow the Contractor to obtain properly: a) Copies of the Laws of Kenya which are relevant to the Contract but are not readily available, and b) any permits, licenses or approvals required by the Laws of Kenya: i) which the Contractor is required to obtain under Sub-Clause 1.13 [Compliance with Laws], ii) for the delivery of Goods, including clearance through customs, and iii) for the export of Contractor's Equipment when it is removed from the Site.		-
	2.3 Procuring Entity's Personnel		
B	The Procuring Entity shall be responsible for ensuring that the Procuring Entity's Personnel and the Procuring Entity's other contractor son the Site: a) co-operate with the Contractor's efforts under Sub-Clause 4.6 [Co-operation], and b) take action ssimilar to those which the Contractor is required to take under sub-paragraphs (a), (b) and (c) ofSub-Clause 4.8 [Safety Procedures] and under Sub-Clause 4.18 [Protection of the Environment].		-
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Item No			*Amount Kshs*	
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	2.3 Procuring Entity's Financial Arrangements			
A	The Procuring Entity shall make and maintain all necessary financial arrangements which will enable the Procuring Entity to pay the Contract Price punctually (as estimated at that time) in accordance with Clause14 [Contract Price and Payment].			-
	3. THE ENGINEER			
	3.1 Architect Duties and Authority			
B	3.1.1 The Procuring Entity shall appoint the Architect who shall carry out the duties as signed to him in the Contract. The Architect staff shall include suitably qualified Assistants and other professionals who are competent to carry out these duties. The Architect Name and Address shall be provided in the **Special Conditions of Contract.**			
	3.1.2 The Architect shall have no authority to amend the Contract.			
	3.1.3 The Architect May exercise the authority attributable to the Architect as specified in or necessarily to be implied from the Contract. If the Architectis required to obtain the approval of the Procuring Entity before exercising a specified authority, the requirements shall be as stated in the **Special Conditions of Contract**. The Procuring Entity shall promptly inform the Contractor of any change to the authority attributed to the Engineer.			
	3.1.4 However, whenever the Architect exercises a specified authority for which the Procuring Entity's approvalis required, then (for the purposes of the Contract) the contractor shall require the Architect toprovideevidence of such approval before complying with the instruction.			
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Item No		*Amount Kshs*
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	3.1.5 Except as otherwise stated in these Conditions: a) Whenever carrying out duties or exercising authority, specified in or implied by the Contract, the Architect shallbedeemedtoactfortheProcuring Entity; b) the Architect has no authority to relieve either Party of any duties, obligations or responsibilities under the Contract; c) any approval, check, certificate, consent, examination, inspection, instruction, notice, proposal, request, test, or similar act by the Architect (including absence of disapproval) shall not relieve the Contractor from any responsibility he has under the Contract, including responsibility for errors, omissions, discrepancies and non-compliances; and d) anyact by the Architect in response to a Contractor's request shall be notified in writing to the Contractor within 14 days of receipt.	
	3.1.6 The following provisions shall apply: The Architect shall obtain the specific approval of the Procuring Entity before taking action under the-following Sub-Clauses of these Conditions: e) Sub-Clause 4.12: agreeing or determining an extension of time and/or additional cost. f) Sub-Clause 13.1: instructing a Variation, except; i) In an emergency situation as determined by the Engineer, or **ii)** If such a Variation would increase the Accepted Contract Amount by less than the percentage specified in the **Special Conditions of Contract.** g) Sub-Clause 13.3: Approving a proposal for Variation submitted by the Contractor in accordance with Sub Clause 13.1 or 13.2. h) Sub-Clause13.4: Specifying the amount payable in each of the applicable three currencies.	
	3.1.7 Not withstanding the obligation, as set out above, to obtain approval, if, in the opinion of the Engineer, an emergency occurs affecting the safety of life or of the Works or of adjoining property, he may, without relieving the Contractor of any of his duties and responsibility under the Contract, instruct the Contractor to execute all such work or to do all such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forth with comply, despite the absence of approval of the Procuring Entity, with any such instruction of the Engineer. The Architect shall determine an addition to the Contract Price, in	
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Item No		*Amount Kshs*	
	Brought Forward Ksh		
	respect of such instruction, in accordance with Clause 13 and shall notify the Contractor accordingly, with a copy to the Procuring Entity.		-
	3.2 Delegation by the Engineer		
A	3.2.1 The Architect may from time to time assign duties and delegate authority to assistants and may also revoke such assignment or delegation. These assistants may include a resident Engineer, and/or independent inspectors appointed to inspect and/ or test items of Plant and/or Materials. The assignment, delegation or revocation shall be in writing and shall not take effect until copies have been received by both Parties. However, unless otherwise agreed by both Parties, the Architect shall not delegate the authority to determine any matter in accordance with Sub-Clause 3.5 [Determinations].		
	3.2.2 Each assistant, to whom duties have been assigned or authority has been delegated, shall only be authorized to issue instructions to the Contractor to the extent defined by the delegation. Any approval, check, certificate, consent, examination, inspection, instruction, notice, proposal, request, test, or similar act by an assistant, in accordance with the delegation, shall have the same effect as though the act had been an act of the Engineer. However:		
	a) Any failure to disapprove any work, Plant or Materials shall not constitute approval, and shall therefore not prejudice the right of the Architect to reject the work, Plant or Materials;		
	b) If the Contractor questions any determination or instruction of an assistant, the Contractor may refer the matter to the Engineer, who shall promptly confirm, reverse or vary the determination or instruction.		
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Item No		Ksh	*Amount Kshs*	
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	3.3 Instructions of the Engineer			
A	3.3.1 The Architect may issue to the Contractor (at anytime) instructions and additional or modified Drawings which may benecessary for the execution of the Works and the remedying of any defects, all in accordance with the Contract. The Contractor shall only take instructions from the Engineer, or from an assistant to whom the appropriate authority has been delegated under Clause 3.2.1. 3.3.2 The Contractor shall comply with the instructions given by the Architect or delegated assistant, on any matter related to the Contract. Whenever practicable, their instructions shall be given in writing. If the Architec tor a delegated assistant: a) Gives an oral instruction, b) receives a written confirmation of the instruction, from (or on behalf of) the Contractor, within two working days after giving the instruction, and c) does not reply by issuing a written rejection and/or instruction within two working days after receiving the confirmation, Then the confirmation shall constitute the written instruction of the Architect or delegated assistant (as the case may be).			-
	3.4 Replacement of the Engineer			
B	If the Procuring Entity intends to replace the Engineer, the Procuring Entity shall, in not less than 21 days before the intended date of replacement, give notice to the Contractor of the name, address and relevant experience of the intended person to replace the Engineer.			-
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Item No		*Amount Kshs*	
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	3.5 Determinations		
A	3.5.1 Whenever these Conditions provide that the Architect shall proceed in accordance with this Sub-Clause3.5 to agreeor determine any matter, the Architect shall consult with each Party in an endeavor to reach agreement. If agreement is not achieved, the Architect shall make a fair determination in accordance with the Contract, taking due regard of all relevant circumstances.		
	3.5.2 The Architect shall give notice to both Parties of each agree mentor determination, with supporting particulars, within 30 days from the receipt of the corresponding claim or request except when otherwise specified. Each Party shall give effect to each agreement or determination unless and until revised under Clause 20 [Claims, Disputes and Arbitration].		-
	4 THE CONTRACTOR		
	4.1 Contractor's General Obligations		
B	4.1.1 The Contractor shall design (to the extent specified in the Contract), execute and complete the Works in accordance with the Contract and with the Architect instructions, ands hall remedy any defects in the Works.		
	4.1.2 The Contractor shall provide the Plant and Contractor's Documents specified in the Contract, and all Contractor's Personnel, Goods, consumables and other things and services, whether of a temporary or permanent nature, required in and for this design, execution, completion and remedying of defects.		
	4.1.3 All equipment, material, and services to be incorporated in or required for the Works shall have their origin in any eligible source country.		
	4.1.4 The Contractor shall be responsible for the adequacy, stability and safety of all Site operations and of all methods of construction. Except to the extent specified in the Contract, the Contractor (i) shall be responsible for all Contractor's Documents, Temporary Works, and such design of each item of Plant and Materials as is required for the item to be in accordance with the Contract, and (ii) shall not otherwise be responsible for the designor specification of the Permanent		
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	Works.	
	4.1.5 The Contractor shall, whenever required by the Engineer, submit details of the arrangements and methods which the Contractor proposes to adopt for the execution of the Works. No significant alteration to these arrangements and methods shall be made without this having previously been notified to the Engineer.	
	4.1.6 If the Contract specifies that the Contractor shall design any part of the Permanent Works, then unless otherwise stated in the Special Conditions:	
	a) The Contractor shall submit to the Architect the Contractor's Documents for this part in accordance with the procedures specified in the Contract;	
	b) these Contractor's Documents shall be in accordance with the Specification and Drawings, shall be written in the language for communications defined in Sub-Clause 1.4 [Law and Language], and shall include additional information required by the Architect to add to the Drawings for co-ordination of each Party's designs;	
	c) the Contractor shall be responsible for this part and it shall, when the Works are completed, befit for such purposes for which the part is intended as are specified in the Contract; and	
	d) prior to the commencement of the Tests on Completion, the Contractor shall submit to the Architectthe "as-built" documents and, if applicable, operation and maintenance manuals in accordance with the Specification and in sufficient detail for the Procuring Entity to operate, maintain, dismantle, reassemble, adjust and repair this part of the Works. Such part shall not be considered to be completed for the purposes of taking-over under Sub-Clause 10.1 [Taking Over of the Works and Sections] until these documents and manuals have been submitted to the Engineer.	-
	4.2 Performance Security	
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Item No			*Amount Kshs*	
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A	4.2.1 The Contractor shall obtain (at his cost) a Performance Security for proper performance, in the amount stated in the **Special Conditions of Contract** and denominated in the currency (ies) of the Contract or in a freely convertible currency acceptable to the Procuring Entity. If an amount is not stated in the Special Conditions of Contract, this Sub-Clause shall not apply. 4.2.2 The Contractor shall deliver the Performance Security to the Procuring Entity within 30 days after receiving the Notification of Award and shall send a copy to the Engineer. The Performance Security shall be issued by a **reputable bank** selected by the Contractor and shall be in the form annexed to the Special Conditions, as stipulated by the Procuring Entity in the Special Conditions of Contract, or in another form approved by the Procuring Entity. 4.2.3 The Contractor shall ensure that the Performance Security is valid and enforceable until the Contractor has executed and completed the Works and remedied any defects. If the terms of the Performance Security specify its expiry date, and the Contractor has not become entitled to receive the Performance Certificate by the date 30 days prior to the expiry date, the Contractor shall extend the validity of the Performance Security until the Works have been completed and any defects have been remedied. 4.2.4 The Procuring Entity shall not make a claim under the Performance Security, except for amounts to which the Procuring Entity is entitled under the Contract. 4.2.5 The Procuring Entity shall indemnify and hold the Contractor harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from a claim under the Performance Security to the extent to which the Procuring Entity was not entitled to make the claim. 4.2.6 The Procuring Entity shall return the Performance Security to the Contractor within 14 days after receiving a copy of the Taking-Over Certificate. 4.2.7 Without limitation to the provisions of the rest of this Sub-Clause, whenever the Architect determines an addition or a reduction to the Contract Price as a result of a change in cost and/ or legislation, or as a result of a Variation, amounting to more than 25 percent of the portion of the Contract Price payable in a specific currency, the Contractor shall at the Architect request promptly increase, or may decrease, as the case may be, the value of the Performance Security in that currency by an equal percentage.			-
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Item No		*Amount Kshs*	
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	4.3 Contractor's Representative		
A	4.3.1 The Contractor shall appoint the Contractor's Representative and shall give him all authority necessary to act on the Contractor's behalf under the Contract. The Contractor's Representative's Name and Address shall be provided in the **Special Conditions of Contract.**		
	4.3.2 Unless the Contractor's Representative **is named in the Contract**, the Contractor shall, prior to the Commencement Date, submit to the Architect for consent the name and particulars of the person the Contractor proposes to appoint as Contractor's Representative. If consent is with held or subsequently revoked in terms of Sub-Clause 6.9 [Contractor's Personnel], or if the appointed person fails to act as Contractor's Representative, the Contractor shall similarly submit the name and particulars of an other suitable person for such appointment.		
	4.3.3 The Contractor shall not, without the prior consent of the Engineer, revoke the appointment of the Contractor's Representative or appoint are placement.		
	4.3.4 The whole time of the Contractor's Representative shall be given to directing the Contractor's performance of the Contract. If the Contractor's Representative is to be temporarily absent from the Site during the execution of the Works, a suitable replacement person shall be appointed, subject to the Architect prior consent, and the Architect shall be notified accordingly.		
	4.3.5 The Contractor's Representative shall, on behalf of the Contractor, receive instructions under Sub-Clause 3.3 [Instructions of the Engineer].		
	4.3.6 The Contractor's Representative may delegate any powers, functions and authority to any competent person, and may at any time revoke the delegation. Any delegation or revocation shall not take effect until the Architect has received prior notice signed by the Contractor's Representative, naming the person and specifying the powers, functions and authority being delegated or revoked.		
	4.3.7 The Contractor's Representative shall be fluent in the language for communications defined in Sub-Clause1.4 [Law and Language]. If the Contractor's Representative's delegates are not fluent in the said language, the Contractor shall make competent interpreter savailable during all working hours in a number deemed sufficient by the Engineer.		-
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Item No		*Amount Kshs*	
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	4.4 Sub-contractors		
A	4.4.1 The Contractor shall not subcontract the whole of the Works. The contractor may however subcontract the works as provided in Clause 34.2.		
	4.4.2 The Contractor shall be responsible for the acts or defaults of any Subcontractor, his agents or employees, as if theyweret heacts or defaults of the Contractor. Unless otherwise stated in the Special Conditions: a) The Contractor shall not be required to obtain consent to suppliers solely of Materials, or to a subcontract for which the Subcontractor is named in the Contract; b) The prior consent of the Procuring Entity shall be obtained to other proposed Subcontractors; c) the Contractor shall give the Procuring Entity not less than 14 days' notice of the intended date of the commencement of each Subcontractor's work, and of the commencement of such work on the Site; and d) each subcontract shall include provisions which would entitle the Procuring Entity to require the subcontract to be assigned to the Procuring Entity under Sub-Clause 4.5 [Assignment of Benefit of Subcontract] (if or when applicable) or in the event of termination under Sub-Clause 15.2 [Termination by Procuring Entity].		
	4.4.3 The Contractor shall ensure that the requirements imposed on the Contractor by Sub-Clause 1.12 [Confidential Details] apply equally to each Subcontractor.		
	4.4.4 Where practicable, the Contractor shall give fair and reasonable opportunity for contractors from Kenya to be appointed as Subcontractors.		-
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Item No		*Amount Kshs*	
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	4.5 Assignment of Benefit of Subcontract		
A	If a Subcontractor's obligations extend beyond the expiry date of the relevant Defects Notification Period and the Engineer, prior to this date, instructs the Contractor to assign the benefit of such obligations to the Procuring Entity, then the Contractor shall do so. Unless otherwise stated in the assignment, the Contractor shall have no liability to the Procuring Entity for the work carried out by the Subcontractor after the assignment takes effect.		-
	4.6 Co-operation		
B	4.6.1 The Contractor shall, as specified in the Contract or as instructed by the Engineer, allow appropriate opportunities for carrying out work to: a) The Procuring Entity's Personnel, b) Any other contractors employed by the Procuring Entity, and c) The personnel of any legally constituted public authorities, who may be employed in the execution on or near the Site of any work not included in the Contract. 4.6.2 Any such instruction shall constitute a Variation if and to the extent that it cause sthe Contractor to suffer delays and/ortoincur Unforeseeable Cost. Services for these personnel and other contractors may include the use of Contractor's Equipment, Temporary Works or access arrangements which are the responsibility of the Contractor. 4.6.3 If, under the Contract, the Procuring Entity is required to give to the Contractor possession of any foundation, structure, plant or means of access in accordance with Contractor's Documents, the Contractor shall submit such documents to the Architect in the time and manner stated in the Specification.		-
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Item No			*Amount Kshs*
	Brought Forward	Ksh	
	4.7 Setting Out of the Works		
A	4.7.1 The Contractor shall set out the Works in relation to original points, lines and levels of reference specified in the Contractor notified by the Engineer. The Contractor shall be responsible for the correct positioning of all parts of the Works, and shall rectify any error in the positions, levels, dimensions or alignment of the Works.		
	4.7.2 The Procuring Entity shall be responsible for any errors in these specified or notified items of reference, but the Contractor shall use reasonable efforts to verify their accuracy before they are used.		
	4.7.3 If the Contractor suffers delay and/or incurs Cost from executing work which was necessitated by an errorin these items of reference, and an experienced contractor could not reasonably have discovered such error and avoided this delay and/ or Cost, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:		
	a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and b) payment of any such costs accrued, which shall be included in the Contract Price.		
	4.674 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine (i) whether and (if so) to what extent the error could not reasonably have been discovered, and (ii) the matters described in sub-paragraphs (a) and (b) above related to thise.		-
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Item No		*Amount Kshs*	
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	4.8 Safety Procedures		
A	The Contractor shall: a) Comply with all applicable safety regulations, b) Takec are for the safety of all persons entitled to be on the Site, c) Use reasonable efforts to keep the Site and Works clear of unnecessary obstruction so as to avoid danger to these persons, d) provide fencing, lighting, guarding and watching of the Works until completion and taking over under Clause 10 [Procuring Entity's Taking Over], and e) provide any Temporary Works (including roadways, footways, guards and fences) which may be necessary, because of the execution of the Works, for the use and protection of the public and of owners and occupiers of adjacent land.		-
	4.9 Quality Assurance		
B	4.9.1 The Contractor shall institute a quality assurance system to demonstrate compliance with the requirements of the Contract.The system shall be in accordance with the details stated in the Contract. The Architect shall be entitledto audit any aspect of the system. 4.9.2 Details of all procedures and compliance documents shall be submitted to the Architectf or information before each design and execution stage is commenced. When any document of a technical nature is issued to the Engineer, evidence of the prior approval by the Contractor itself shall be apparent on the document itself. Compliance with the quality assurance system shall not relieve the Contractor of any of his duties, obligations or responsibilities under the Contract.		-
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Item No			*Amount Kshs*	
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	4.10 Site Data			
A	4.10.1 The Procuring Entity shall have made available to the Contractor for his information, prior to the Base Date, all relevant data in the Procuring Entity's possession on sub-surface and hydrological conditions at the Site, including environmental aspects. The Procuring Entity shall similarly make available to the Contractor all such data which come into the Procuring Entity's possession after the Base Date. The Contractor shall be responsible for interpreting all such data.			
	4.10.2 To the extent which was practicable (taking account of cost and time), the Contractor shall be deemed to have obtained all necessary information as to risks, contingencies and other circumstances which may influence or affect the Tender or Works. To the same extent, the Contractor shall be deemed to have inspected and examined the Site, its surroundings, the above data and other available information, and to have been satisfied before submitting the Tender as to all relevant matters, including (without limitation):			
	a) The form and nature of the Site, including sub-surface conditions,			
	b) the hydrological and climatic conditions,			
	c) the extent and nature of the work and Goods necessary for the execution and completion of the Works and the remedying of any defects,			
	d) the Laws, procedures and labour practices of Kenya, and			
	e) the Contractor's requirements for access, accommodation, facilities, personnel, power, transport, water and other services.			-
	Carried Forward	Ksh		

Item No		Ksh	*Amount Kshs*	
	Brought Forward			
	4.11 Sufficiency of the Accepted Contract Amount			
A	4..11.1 TheContractor shall be deemed to: a) Have satisfied itself as to the correctness and sufficiency of the Accepted Contract Amount, and b) have based the Accepted Contract Amount on the data, interpretations, necessary information, inspections, examinations and satisfaction as to all relevant matters referred to in Sub-Clause 4.10 [Site Data].			
	4.11.2 Unless otherwise stated in the Contract, the Accepted Contract Amount covers all the Contractor's obligations under the Contract (including those under Provisional Sums, if any) and all things necessary for the proper execution and completion of the Works and the remedying of any defects.			-
	4.12 Unforeseeable Physical Conditions			
B	4.12 1 In this Sub-Clause, "physical conditions" means natural physical conditions and man-made and other physical obstructions and pollutants, which the Contractor encounters at the Site when executing the Works, including sub-surface and hydrological conditions but excluding climatic conditions.			
	4.12.2 If the Contractor encounters adverse physical conditions which he considers to have been Unforeseeable, the Contractor shall give notice to the Architect as soon as practicable.			
	4.12.3 This notice shal ldescribe the physical conditions, so that they can be inspected by the Architect and shall set out the reasons why the Contractor considers them to be Unforeseeable. The Contractor shall continue executing the Works, using such proper and reasonable measures as are appropriate for the physical conditions, and shall comply with any instructions which the Architect may give. If an instruction constitutes a Variation, Clause 13 [Variations and Adjustments] shall apply.			
	Carried Forward	Ksh		

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	4.12.4 If and to the extent that the Contractor encounters physical conditions which are Unforeseeable, gives such a notice, and suffers delay and/or incurs Cost due to these conditions, the Contractor shall be entitled subject to notice under Sub-Clause 20.1 [Contractor's Claims] to: a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and b) payment of any such Cost, which shall be included in the Contract Price. 4.12.5 Upon receiving such notice and inspecting and/or investigating these physical conditions, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine (i) whether and (if so) to what extent these physical conditions were Unforeseeable, and (ii) the matters described in sub-paragraphs (a) and (b) above related to this extent. 4.12.6 However, before additional Cost is finally agreed or determined under sub-paragraph (ii), the Architect may also review whether other physical conditions in similar parts of the Works (if any) were more favorable than could reasonably have been foreseen when the Contractor submitted the Tender. If and to the extent that these more favorable conditions were encountered, the Architect may proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine the reductions in Cost which were due to these conditions, which may be included (as deductions) in the Contract Price and Payment Certificates. However, the net effect of all adjustments under sub-paragraph (b) and all these reductions, for all the physical conditions encountered in similar parts of the Works, shall not result in a net reduction in the Contract Price. 4.12.7 The Architect shall take account of any evidence of the physical conditions foreseen by the Contractorwhen submitting the Tender, which shall be made available by the Contractor, but shall not be bound by the Contractor'sinterpretationofanysuchevidence.			-
	Carried Forward	Ksh		

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	4.13 Rights of Way and Facilities			
A	Unless otherwise specified in the Contract the Procuring Entity shall provide effective access to and possession of the Site including special and/or temporary rights-of-way which are necessary for the Works. The Contractor shall obtain, at his risk and cost, any additional rights of way or facilities out side the Site which he may require for the purposes of the Works.			-
	4.14 Avoidance of Interference			
B	4.14.1 The Contractor shall not interfere unnecessarily or improperly with: a) The convenience of the public, or b) The access to and use and occupation of all roads and foot paths, irrespective of whether they are public or in the possession of the Procuring Entity or of others.			
	4.14.2 The Contractor shall indemnify and hold the Procuring Entity harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from any such unnecessary or improper interference.			-
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Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	4.15 Access Route			
A	4.15.1 The Contractor shall be deemed to have been satisfied as to the suitability and availability of access routes to the Site at Base Date. The Contractor shall use reasonable efforts to prevent any road or bridge from being damaged by the Contractor's traffic or by the Contractor's Personnel. These efforts shall include the proper use of appropriate vehicles and routes.			
	4.15.2 Except as otherwise stated in these Conditions: a) The Contractor shall (as be tween the Parties) be responsible for any maintenance which may be required for his use of access routes; b) the Contractor shall provide all necessary signs or directions along access routes, and shall obtain any permission which may be required from the relevant authorities for his use of routes, signs and directions; c) the Procuring Entity shall not be responsible for any claims which may arise from the use or otherwise of any access route; d) the Procuring Entity does not guarantee the suitability or a vailability of particular access routes; and e) Costs due to non-suitability or non-availability, for the use required by the Contractor, of access routes shall be borne by the Contractor.			-
	Carried Forward	Ksh		

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	4.16 Transport of Goods			
A	Unless otherwise stated in the Special Conditions: a) the Contractor shall give the Architect not less than 21 days' notice of the date on which any Plant or a major item of other Goods will be delivered to the Site; b) the Contractor shall be responsible for packing, loading, transporting, receiving, unloading, storing and protecting all Goods and other things required for the Works; and c) the Contractor shall indemnify and hold the Procuring Entity harmless against and from all damages, losses and expenses (including legal fees and expenses) resulting from thetransport of Goods and shall negotiate and pay all claims arising from their transport.			-
	4.17 Contractor's Equipment			
B	The Contractor shall be responsible for all Contractor's Equipment. When brought on to the Site, Contractor's Equipment shall be deemed to be exclusively intended for the execution of the Works. The Contractor shall not remove from the Site any major items of Contractor's Equipment without the consent of the Engineer. However, consent shall not be required for vehicles transporting Goods or Contractor's Personnel off Site.			-
	Carried Forward	Ksh		

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	Brought Forward Ksh		
	4.18 Protection of the Environment		
A	4.18.1 The contractor shall comply with the applicable environmental laws, regulations and policies. 4.18.2 The Contractor shall take all reasonable steps to protect the environment (both on and off the Site) and to limit damage and nuisance to people and property resulting from pollution, noise and other results of his operations. 4.18.3 The Contractors hall ensure that emissions, surfaced is charges and effluent from the Contractor's activities shall not exceed the values stated in the Specification or prescribed by applicable Laws.		-
	4.19 Electricity, Water and Gas		
B	4.19.1 The Contractor shall, except as stated below, be responsible for the provision of all power, water and other services he may require for his construction activities and to the extent defined in the Specifications, for the tests. 4.19.2 The Contractor shall be entitled to use for the purposes of the Works such supplies of electricity, water, gas and other services as may be available on the Site and of which details and prices are given in the Specifications.The Contractor shall, at his risk and cost, provide any apparatus necessary for his use of these services and for measuring the quantities consumed. 4.19.3 The quantities consumed and the amounts due (at these prices) for such services shall be agreed or determined by the Architect in accordance with Sub-Clause 2.5 [Procuring Entity's Claims] and Sub-Clause 3.5 [Determinations]. The Contractor shall pay these amounts to the Procuring Entity.		-
	Carried Forward Ksh		

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	4.20 Procuring Entity's Equipment and Free-Issue Materials		
A	4.20.1 The Procuring Entity shall make the Procuring Entity's Equipment (if any) available for the use of the Contractor in the execution of the Works in accordance with the details, arrangements and prices stated in the Specification. Unless otherwise stated in the Specification: a) The Procuring Entitys hall be responsible for the Procuring Entity's Equipment, except that b) the Contractor shall be responsible for each item of Procuring Entity's Equipment whilst any of the Contractor's Personnel is operating it, driving it, directing it or in possession or control of it. 4.20.2 The appropriate quantities and the amounts due (at such stated prices) for the use of Procuring Entity's Equipment shall be agreed or determined by the Architect in accordance with Sub-Clause 2.5 [Procuring Entity's Claims] and Sub-Clause3.5 [Determinations]. The Contractor shall pay these amounts to the Procuring Entity. 4.20.3 The Procuring Entity shall supply, free of charge, the "free-issue materials" (if any) in accordance with the details stated in the Specification. The Procuring Entity shall, at his risk and cost, provide these materials at the time and place specified in the Contract. The Contractor shall then visually inspect them and shall promptly give notice to the Architect of any shortage, defect or default in these materials. Unless otherwise agreed by both Parties, the Procuring Entity shall immediately rectify the notified shortage, defector default. 4.20.4 After this visual inspection, the free-issue materials shall come under the care, custody and control of the Contractor. The Contractor's obligations of inspection, care, custody and control shall not relieve the Procuring Entity of liability for any shortage, defect or default not apparent from a visual inspection		-
	4.21 Progress Reports		
B	4.21.1 Unless otherwise stated in the Special Conditions, monthly progress reports		
	Carried Forward Ksh		

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	shall be prepared by the Contractor and submitted to the Architect in six copies. The first report shall cover the period up to the end of the first calendar month following the Commencement Date. Reports shall be submitted monthly thereafter, each within 7 days after the last day of the period to which it relates.		
	4.21.2 Reporting shall continue until the Contractor has completed all work which is known to be outstanding at the completion date stated in the Taking-Over Certificate for the Works. Each report shall include:		
	a) charts and detailed descriptions of progress, including each stage of design (if any), Contractor's Documents, procurement, manufacture, delivery to Site, construction, erection and testing; and including these stages for work by each nominated Subcontractor (as defined in Clause 5 [NominatedSubcontractors]),		
	b) photographs showing the status of manufacture and of progress on the Site;		
	c) for the manufacture of each main item of Plant and Materials, the name of the manufacturer, manufacture location, percentage progress, and the actual or expected dates of:		
	i) commencement of manufacture,		
	ii) Contractor's inspections,		
	iii) tests, and		
	iv) shipment and arrival at the Site;		
	d) the details described in Sub-Clause 6.10 [Records of Contractor's Personnel and Equipment];		
	e) copies of quality assurance documents, test results and certificates of Materials;		
	f) list of notices given under Sub-Clause 2.5 [Procuring Entity's Claims] and notices given under Sub- Clause 20.1 [Contractor's Claims];		
	g) safety statistics, including details of any hazardous incidents and activities relating to environmental aspects and public relations; and		
	h) comparison so factual and planned progress, with details of any events or circumstances which may jeopardize the completion in accordance with the Contract, and the measures being (or to be) adopted to overcome delays.		-
	Carried Forward Ksh		

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	4.22 Security of the Site			
A	Unless otherwise stated in the Special Conditions: a) The Contractor shall be responsible for keeping unauthorized persons off the Site, and b) authorized persons shall be limited to the Contractor's Personnel and the Procuring Entity's Personnel; and to any other personnel notified to the Contractor, by the Procuring Entity or the Engineer, as authorized personnel of the Procuring Entity's other contractors on the Site.			-
	Carried Forward	Ksh		

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Bill No. 1
GENERAL CONDITIONS OF CONTRACT

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	4.23 Contractor's Operations on Site			
A	4.23.1 The Contractor shall confine his operations to the Site, and to any additional areas which may be obtained by the Contractor and agreed by the Architect as additional working areas. The Contractor shall take all necessary precautions to keep Contractor's Equipment and Contractor's Personnel within the Site and these additional areas, and to keep them off adjacentl and.			
	4.23.2 During the execution of the Works, the Contractor shall keep the Site free from all unnecessary obstruction and shall store or dispose of any Contractor's Equipment or surplus materials. The Contractor shall clear away and remove from the Site any wreckage, rubbish and Temporary Works which are no longer required.			
	4.23.3 Upon the issue of a Taking-Over Certificate, the Contractor shall clear away and remove, from that part of the Site and Works to which the Taking-Over Certificate refers, all Contractor's Equipment, surplus material, wreckage, rubbish and Temporary Works. The Contractor shall leave that part of the Site and the Works in a clean and safe condition. However, the Contractor may retain on Site, during the Defects Notification Period, such Goods as are required for the Contractor to fulfil obligations under the Contract.			-
	Carried Forward	Ksh		

Item No		*Amount Kshs*	
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	4.24 Fossils		
A	4.24.1 All fossils, coins, articles of value or antiquity, and structures and other remains or items of geological or archaeological interest found on the Site shall be placed under the care and authority of the Procuring Entity. The Contractor shall take reasonable precautions to prevent Contractor's Personnel or other persons from removing or damaging any of these findings.		
	4.24.2 The Contractor shall, upon discovery of any such finding, promptly give notice to the Engineer, who shall issue instructions for dealing with it. If the Contractor suffers delay and/or incurs Cost from complying with the instructions, the Contractor shall give a further notice to the Architect and shall be entitled subject to Sub- Clause 20.1 [Contractor's Claims] to: a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and b) payment of any such Cost, which shall be included in the Contract Price. After receiving this further notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.		-
	5. NOMINATED SUBCONTRACTORS		
	5.1 Definition of "nominated Subcontractor"		
B	In this Contract, "nominated Subcontractor" means a Subcontractor: a) Who is nominated by the Procuring Entity, or b) Contractor has nominated as a Subcontractor subject to Sub-Clause 5.2 [Objection to Notification].		-
	Carried Forward Ksh		

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	Brought Forward	Ksh	
	5.2 Objection to Nomination		
A	The Contractor shall not be under any obligation to employ a nominated Subcontractor against whom the Contractor raises reasonable objection by notice to the Procuring Entity as soon as practicable, with supporting particulars. An objection shall be deemed reasonable if it arises from (among other things) any of the following matters, unless the Procuring Entity agrees in writing to indemnify the Contractor against and from the consequences of the matter: a) there are reasons to believe that the Subcontractor does not have sufficient competence, resources or financial strength; b) the nominated Subcontractor does not accept to indemnify the Contractor against and from any negligence or misuse of Goods by the nominated Subcontractor, his agents and employees; or c) the nominated Subcontractor does not accept to enter into a subcontract which specifies that, for the subcontracted work (including design, if any), the nominated Subcontractor shall: i) undertake to the Contractor such obligations and liabilities as will enable the Contractor to discharge hisobligations and liabilities under the Contract; ii) indemnify the Contractor against and from all obligations and liabilities arising under or in connection with the Contract and from the consequences of any failure by the Subcontractor to perform these obligations or to fulfil these liabilities, and iii) be paid only if and when the Contractor has received from the Procuring Entity payments for sums due under the Subcontract referred to under Sub-Clause 5.3 [Payment to nominated Subcontractors].		-
	Carried Forward	Ksh	

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	5.3 Payments to nominated Subcontractors		
A	The Contractor shall pay to the nominated Subcontractor the amounts shown on the nominated Subcontractor's invoices approved by the Contractor which the Architect certifies to be due in accordance with the subcontract. These amounts plus other charges shall be included in the Contract Price in accordance with sub-paragraph (b) of Sub-Clause 13.5 [Provisional Sums], except as stated in Sub-Clause 5.4 [Evidence of Payments].		-
	5.4 Evidence of Payments		
B	5.4.1 Before issuing a Payment Certificate which includes an amount payable to a nominated Subcontractor, the Architect may request the Contractor to supply reasonable evidence that the nominated Subcontractor has received all amounts due in accordance with previous Payment Certificates, less applicable deductions for retention or otherwise. Unless the Contractor: (a) Submits this reasonable evidence to the Engineer, or (b) i) Satisfies the Architect in writing that the Contractor is reasonably entitled to withhold or refuse to pay these amounts, and ii) Submits to the Architect reasonable evidence that the nominated Subcontractor has been notified of the Contractor's entitlement, then the Procuring Entity may (at his sole discretion) pay, directto the nominated Subcontractor, part or all of such amounts previously certified (less applicable deductions) as are due to the nominated Subcontractor and for which the Contractor has failed to submit the evidence described in sub-paragraphs (a) or (b) above.The Contractor shall then repay, to the Procuring Entity, the amount which the nominated Subcontractor was directly paid by the Procuring Entity.		-
	6. STAFF AND LABOUR		
	Carried Forward Ksh		

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	6.1 Engagement of Staff and Labor		
A	Except as otherwise stated in the Specification, the Contractor shall make arrangements for the engagement of all staff and labor, local or otherwise, and for their payment, feeding, transport, and, when appropriate, housing. The Contractor is encouraged, to the extent practicable and reasonable, to employ staff and labor with appropriate qualifications and experience from sources within Kenya.		-
	6.2 Rates of Wages and Conditions of Labor		
B	6.2.1 The Contractor shall pay rates of wages, and observe conditions of labor, which are not lower than those established for the trade or industry where the work is carried out. If no established rates or conditions are applicable, the Contractor shall pay rates of wages and observe conditions which are not lower than the general level of wages and conditions observed locally by Procuring Entity's whose trade or industry is similar to that of theContractor.		
	6.2.2 The Contractor shall inform the Contractor's Personnel about their liability to pay personal income taxes in Kenya in respect of such of their salaries, wages, allowances and any benefits as are subject to tax under the Laws of Kenya for the time being in force, and the Contractor shall perform such duties in regard to such deductions there of as may be imposed on him by such Laws.		-
	6.3 Persons in the Service of Procuring Entity		
C	The Contractor shall not recruit, or attempt to recruit, staff and labour from amongst the Procuring Entity's Personnel.		-
	Carried Forward Ksh		

Item No		*Amount Kshs*	
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	6.4 Labour Laws		
A	The Contractor shall comply with all the relevant labour Laws applicable to the Contractor's Personnel, including Laws relating to their employment, employment of children, health, safety, welfare, immigration and emigration, and shall allow them all their legal rights. The Contractor shall require his employees to obey all applicable Laws, including those concerning safety at work.		-
	6.5 Working Hours		
B	Nowork shall be carried out on the Site on locally recognized days of rest, or outside the normal working hours stated in the **Special Conditions of Contract**, unless: a) Otherwise stated in the Contract, b) The Architect gives consent, or c) The work is unavoidable, or necessary for the protection of life or property or for the safety of the Works, in which case the Contractor shall immediately advise the Engineer, provided that work done outside the normal working hours shall be considered and paid for as overtime.		-
	6.6 Facilities for Staff and Labor		
C	Except as otherwise stated in the Specification, the Contractor shall provide and maintain all necessary accommodation and welfare facilities on site for the Contractor's Personnel. The Contractor shall also provide facilities for the Procuring Entity's Personnel as stated in the Specifications. The Contractor shall not permit any of the Contractor's Personnel to maintain any temporary or permanent living quarters within the structures forming part of the Permanent Works.		-
	Carried Forward Ksh		

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	6.7 Health and Safety			
A	6.7.1 The Contractor shall at all times take all reasonable precautions to maintain the health and safety of the Contractor's Personnel. In collaboration with loca lhealth authorities, the Contractor shall ensure that medical staff, first aid facilities, sick bay and ambulance service are available at all times at the Site and at any accommodation for Contractor's and Procuring Entity's Personnel, and that suitable arrangements are made for all necessary welfare and hygiene requirements and for the prevention of epidemics.			
	6.7.2 The Contractor shall appoint an accident prevention officer at the Site, responsible for maintaining safety and protection against accidents. This person shall be qualified for this responsibility and shall have the authority to issue instructions and take protective measures to prevent accidents. Throughout the execution of the Works, the Contractor shall provide what ever is required by this person to exercise this responsibility and authority.			
	6.7.8 The Contractor shall send, to the Engineer, details of any accident as soon as practicable after itsoccurrence. The Contractor shall maintain records and make reports concerning health, safety and welfare of persons, and damage to property, as the Architect may reasonably require.			
	6.7.8 The Contractor shall conduct an awareness programme on HIV and other sexually transmitted diseases via an approved service provider and shall undertake such other measures taken to reduce the risk of the transfer of these diseases between and among the Contractor's Personnel and the local community, to promote early diagnosis and to assist affected individuals.			-
	Carried Forward	Ksh		

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	6.8 Contractor's Superintendence		
A	6.8.1 Throughout the execution of the Works, and as long thereafter as is necessary to fulfil the Contractor's obligations, the Contractor shall provide all necessary super intendence to plan, arrange, direct, manage, inspect and test the work. 6.8.2 Superintendence shall be given by a sufficient number of persons having adequate knowledge of the language for communications (defined in Sub-Clause 1.4 [Law and Language]) and of the operations to be carried out (including the methods and techniques required, the hazards likely to be encountered and methods of preventing accidents), for the satisfactory and safe execution of the Works.		-
	6.9 Contractor's Personnel		
B	6.9.1 The Contractor's Personnel shall be appropriately qualified, skilled and experienced in their respective trades or occupations. The Contractors Key personnel shall be named in the Special Conditions of Contract. The Architect may require the Contractor to remove (or cause to be removed) any person employed on the Site or Works, including the Contractor's Representative if applicable, who: a) Persists in any misconduct or lack of care, b) Carries out duties in competently or negligently, c) fails to conform with any provisions of the Contract, d) persists in any conduct which is prejudicial to safety, health, or the protection of the environment, or e) based on reasonable evidence, is determined to have engaged in Fraud and Corruption during the execution ofthe Works. 6.9.2 If appropriate, the Contractor shall then appoint (or cause to be appointed) a suitable replacement person.		-
	Carried Forward Ksh		

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	6.10 Records of Contractor's Personnel and Equipment		
A	The Contractor shall submit, to the Engineer, details showing the number of each class of Contractor's Personnel and of each type of Contractor's Equipment on the Site. Details shall be submitted each calendar month, in a form approved by the Engineer, until the Contractor has completed all work which is known to be outstanding at the completion date stated in the Taking-Over Certificate for the Works.		-
	6.11 Disorderly Conduct		
B	The Contractor shall at all times take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst the Contractor's Personnel, and to preserve peace and protection of persons and property on and near the Site.		-
	6.12 Foreign Personnel		
C	6.12.1 The Contractor shall not employ foreign personnel unless the contractor demonstrates that there are no Kenyans with the required skills.		
	6.12.2 The Contractor shall be responsible for the return of any foreign personnel to the place where they were recruited or to their domicile. In the event of the death in Kenya of any of these personnel or members of their families, the Contractor shall similarly be responsible for making the appropriate arrangements for their return or burial.		-
	Carried Forward Ksh		

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	6.13 Supply of Water		
A	The Contractor shall, having regard to local conditions, provide on the Sitea n adequate supply of drinking and other water for the use of the Contractor's Personnel.		-
	6.14 Measures against Insect and Pest Nuisance		
B	The Contractor shall a tall times take the necessary precautions to protect the Contractor's Personnel employed on the Site from insect and pest nuisance, and to reduce the danger to their health. The Contractor shall comply with all the regulations of the local health authorities, including use of appropriate insecticide.		-
	6.15 Alcoholic Liquor or Drugs		
C	The Contractor shall not, otherwise than in accordance with the Laws of Kenya, onsite, import, sell, give, barter or otherwise dispose of any alcoholic liquor or drugs, or permit or allow importation, sale, gift, barter or disposal there of by Contractor's Personnel		-
	6.16 Prohibition of Forced or Compulsory Labour		
D	The Contractor shall not employ forced labor, which consists of any work or service, not voluntarily performed, that is exacted from an individual under threat of force or penalty, and includes any kind of involuntary or compulsory labor, such as indentured labor, bonded labor or similar labor-contracting arrangements.		-
	Carried Forward Ksh		

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	6.17 Prohibition of Harmful Child Labor			
A	The Contractor shall not employ children in a manner that is economically exploitative, or is likely to be hazardous, or to interfere with, the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral, or social development. Where the relevant labour laws of Kenya have provisions for employment of minors, the Contractor shall follow those laws applicable to the Contractor. Children below the age of 18 years shall not be employed in dangerous work.			-
	6.18 Employment Records of Workers			
B	The Contractor shall keep complete and accurate records of the employment of labour at the Site. The records shall include the names, ages, genders, hours worked and wages paid to all workers. These records shall be summarized on a monthly basis and submitted to the Engineer. These records shall be included in the details to be submitted by the Contractor under Sub-Clause 6.10 [Records of Contractor's Personnel and Equipment].			-
	6.19 Workers' Organizations			
C	The Contractor shall comply with the relevant labor laws that recognize workers' rights to form and to join workers' organizations of their choosing without interference.			-
	Carried Forward	Ksh		

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	6.20 Non-Discrimination and Equal Opportunity		
A	The Contractor shall base the labour employment on the principle of equal opportunity and fair treatment and shall not discriminate with respect to aspects of the employment relationship, including recruitment and hiring, compensation (including wages and benefits), working conditions and terms of employment, access to training, promotion, termination of employ mentor retirement, and discipline.		-
	7. PLANT, MATERIALS AND WORKMANSHIP		
	7.1 Manner of Execution		
B	The Contractor shall carry out the manufacture/assemble of plant, the production and manufacture of Materials, and all other execution of the Works: a) In the manner (if any) specified in the Contract, b) in a proper workman like and careful manner, in accordance with recognized good practice, and c) with properly equipped facilities and non-hazardous Materials, except as otherwise specified in the Contract.		-
	Carried Forward Ksh		

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	7.2 Samples			
A	The Cont**ract**or shall submit the following samples of Materials, and relevant information, to the Architect for consent prior to using the Material sin or for the Works: a) manufacturer's standard samples of Materials and samples specified in the Contract, all at the Contractor's cost, and b) additional samples instructed by the Architect as a Variation. Each sample shall be labeled as to origin and intended use in the Works.			-
	Carried Forward	Ksh		

Section No. 7
Bill No. 1
GENERAL CONDITIONS OF CONTRACT

Item No		*Amount Kshs*	
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	7.3 Inspection		
A	7.3.1 The Procuring Entity's Personnel shall at all reasonable times: a) Have full access to all parts of the Site and to all places from which natural Materials are being obtained, and b) during production, manufacture and construction (at the Site and elsewhere), be entitled to examine, inspect, measure and test the materials and workmanship, and to check the progress of manufacture of Plant and production and manufacture of Materials. 7.3.2 The Contractor shall give the Procuring Entity's Personnel full opportunity to carry out these activities, including providing access, facilities, permissions and safety equipment. No such activity shall relieve the Contractor from any obligation or responsibility. 7.3.3 The Contractor shall give notice to the Architect whenever any work is ready and before it is covered up, put out of sight, or packaged for storage or transport. The Architect shall then either carry out the examination, inspection, measurement or testing without unreasonable delay, or promptly give notice to the Contractor that the Architect does not require to do so. If the Contractor fails to give the notice, he shall, if and when required by the Engineer, uncover the work and there after reinstate and make good, all at the Contractor's cost.		-
	7.4 Testing		
	Carried Forward Ksh		

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	Brought Forward Ksh		
B	7.4.1 This Sub-Clause shall apply to all tests specified in the Contract. 7.4.2 Except as otherwise specified in the Contract, the Contractor shall provide all apparatus, assistance, documents and other information, electricity, equipment, fuel, consumables, instruments, labor, materials, and suitably qualified and experienced staff, as are necessary to carry out the specified tests efficiently. The Contractor shall agree, with the Engineer, the time and placef ort he specified testing of any Plant, Materials and other parts of the Works. 7.4.3 The Architect may, under Clause 13 [Variations and Adjustments], vary the location or details of specified tests, or instruct the Contractor to carry out additional tests. If these varied or additional tests show that the tested Plant, Materials or workmanship is not in accordance with the Contract, the cost of carrying out this Variation shall be borne by the Contractor, not withstanding other provisions of the Contract. 7.4.4 The Architect shall give the Contractor not less than 24 hours' notice of the Architect intention to attend the tests. If the Architect does not attend at the time and place agreed, the Contractor may proceed with the tests, unless otherwise instructed by the Engineer, and the tests shall then be deemed to have been made in the Architect presence. 7.4.5 If the Contractor suffers delay and/ or incurs Cost from complying with these instructions or as a result of a delay for which the Procuring Entity is responsible, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to: a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and b) payment of any such Cost-plus profit, which shall be included in the Contract Price. 7.4.6 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters. 7.4.7 The Contractor shall promptly forward to the Architect duly certified reports of the tests. When thespecified tests have be enpassed, the Architect shall endorse the Contractor's test certificate, or issue a certificate to him, to that effect. If the Architect has not attended the tests, he shall be deemed to have accepted the readings as accurate.		-
	Carried Forward Ksh		

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	7.5 Rejection		
A	7.5.1 If, as a result of an examination, inspection, measurement or testing, any Plant, Materials or workmanship is found to be defective or otherwise not in accordance with the Contract, the Architect may reject the Plant, Materials or workmanship by giving notice to the Contractor, with reasons. The Contractor shall then promptly make good the defect and ensure that the rejected item complies with the Contract.		
	7.5.2 If the Architect requires this Plant, Materials or workmanship to be retested, the tests shall be repeated under the same terms and conditions. If the rejection and retesting cause the Procuring Entity to incur additional costs, the Contractor shall subject to Sub-Clause 2.5 [Procuring Entity's Claims] pay these costs to the Procuring Entity.		-
	Carried Forward Ksh		

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	7.6 Remedial Work		
A	7.6.1 Not withstanding any previous test or certification, the Architect may instruct the Contractorto: a) Remove from the Site and replace any Plant or Materials which is not in accordance with the Contract, b) remove and re-execute any other work which is not in accordance with the Contract, and c) execute any work which is urgently required for the safety of the Works, whether because of an accident, unforeseen able event or otherwise. 7.6.2 The Contractor shall comply with the instruction within a reasonable time, which shall be the time (if any) specified in the instruction, or immediately if urgency is specified under sub-paragraph (c). 7.6.3 If the Contractor fails to comply with the instruction, the Procuring Entity shall be entitled to employ and pay other persons to carry out the work. Except to the extent that the Contractor would have been entitled to payment for the work, the Contractor shall subject to Sub-Clause 2.5 [Procuring Entity's Claims] pay to the Procuring Entity all costs arising from this failure. 7.6.4 If the contractor repeatedly delivers defective work, the Procuring Entity may consider termination in accordance with Clause 15.		-
	7.7 Ownership of Plant and Materials		
B	Except as otherwise provided in the Contract, each item of Plant and Materials shall become the property of the Procuring Entity at whichever is the earlier of the following times, free from liens and other encumbrances: a) When it is in corporated in the Works; b) when the Contractor is paid the corresponding value of the Plant and Materials under Sub-Clause 8.10 [Payment for Plant and Materials in Event of Suspension].		-
	Carried Forward Ksh		

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	7.8 Royalties			
A	Unless otherwise stated in the Specification, the Contractor shall pay all royalties, rents and other payments for: a) Natural materials obtained from outside the Site, and b) thedisposal of material from demolitions and excavations and of other surplus material (whether natural orman-made), except to the extent that disposal are as within the Site are specified in the Contract.			-
	8. COMMENCEMENT, DELAYS AND SUSPENSION			
	Carried Forward	Ksh		

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	8.1 Commencement of Works		
A	8.1.1 Except as otherwise specified in the Special Conditions of Contract, the Commencement Date shall be the date at which the following precedent condition shave all been fulfilled and the Architect notification recording the agreement of both Parties on such fulfilment and instructing to commence the Work is received by the Contractor: a) Signature of the Contract Agreement by both Parties, and if required, approval of the Contract by relevant authorities of Kenya; b) except if otherwise specified in the Special Conditions of Contract, effective access to and possession of the Site given to the Contractor together with such permission(s) under (a) of Sub-Clause 1.13 [Compliance with Laws] as required for the commencement of the Works. c) Receipt by the Contractor of the Advance Payment under Sub-Clause 14.2 [Advance Payment] provided that the corresponding bank guarantee has been delivered by the Contractor. 8.1.2 If the said Architect instruction is not received by the Contractor within 180 days from his receipt of the Letter of Acceptance, the Contractor shall be entitled to terminate the Contract under Sub-Clause1 6.2 [Terminationby Contractor]. 8.1.3 The Contractor shall commence the execution of the Works as soon as is reasonably practicable after the Commencement Date and shal lthen proceed with the Works with due expedition and without delay.		-
	Carried Forward Ksh		

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	Brought Forward Ksh		
	8.2 Time for Completion		
A	The Contractor shall complete the whole of the Works, and each Section (if any), within the Time for Completion for the Works or Section (as the case may be), including: a) Achieving the passing of the Testson Completion, and b) completing all work which is stated in the Contract as being required for the Works or Section to be considered to be completed for the purposes of taking-over under Sub-Clause 10.1 [Taking Over of the Works and Sections].		-
	8.3 Programme		
B	8.3.1 The Contractor shall submit a detailed time programme to the Architect within1 4 days after receiving the notice under Sub-Clause 8.1 [Commencement of Works]. The Contractor shall also submit a revised programme whenever the previous programme is inconsistent with actual progress or with the Contractor's obligations. Each programme shall include: a) The order in which the Contractor intends to carry out the Works, including the anticipated timing of each stage of design (if any), Contractor's Documents, procurement, manufacture of Plant, delivery to Site, construction, erection and testing, b) each of these stages for work by each nominated Subcontractor (as defined in Clause 5 [Nominated Subcontractors]), c) the sequence and timing of inspections and tests specified in the Contract, and d) a supporting report which includes: i) a general description of the methods which the Contractor intends to adopt, and of the major stages, in the execution of the Works, and ii) details showing the Contractor's reasonable estimate of the number of each class of Contractor's Personnel and of each type of Contractor's Equipment, required on the Site for each		
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	major stage.		
	8.3.2 Unless the Engineer, within 14 days after receiving a programme, gives notice to the Contractor stating the extent to which it does not comply with the Contract, the Contractor shall proceed in accordance with the programme, subject to his other obligations under the Contract. The Procuring Entity's Personnel shall be entitled to rely upon the programme when planning their activities.		
	8.3.3 The Contractor shall promptly give notice to the Architect of specific probable future events or circumstances which may adversely affect the work, increase the Contract Price or delay the execution of the Works.		
	8.3.4 If, at anytime, the Architect gives notice to the Contractor that a programme fails (to the extent stated) to comply with the Contractor to be consistent with actual progress and the Contractor's stated intentions, the Contractor shall submit a revised programme to the Architect in accordance with this Sub-Clause.		-
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	8.4 Extension of Time for Completion		
A	8.4.1 The Contractor shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to an extension of the Time for Completion if and to the extent that completion for the purposes of Sub-Clause 10.1 [Taking Over of the Works and Sections] is or will be delayed by any of the following causes: a) a Variation (unless an adjustment to the Time for Completion has been agreed under Sub-Clause 13.3 [Variation Procedure]) or other substantial change in the quantity of an item of work included in the Contract, b) a cause of delay giving an entitlement to extension of time under a Sub-Clause of these Conditions, c) exceptionally adverse climatic conditions, d) Unforeseeable shortages in the availability of personnel or Goods caused by epidemic or governmental actions, or e) any delay, impediment or prevention caused by or attributable to the Procuring Entity, the Procuring Entity's Personnel, or the Procuring Entity's other contractors. 8.4.2 If the Contractor considers itself to be entitled to an extension of the Time for Completion, the Contractor shall give notice to the Architect in accordance with Sub-Clause 20.1 [Contractor's Claims]. When determining each extension of time under Sub-Clause 20.1, the Architec tshall review previous determinations and may increase, but shall not decrease, the total extension of time.		-
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	8.5 Delays Caused by Authorities			
A	If the following conditions apply, namely: a) The Contractor has diligently followed the procedures laid down by the relevant legally constituted public authorities in Kenya, b) These authorities delay or disrupt the Contractor's work, and c) the delay or disruption was Unforeseeable, then this delay or disruption will be considered as a cause of delay under sub-paragraph (b) of Sub-Clause 8.4 [Extension of Time for Completion].			-
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	8.6 Rate of Progress		
A	8.6.1 If, at anytime: a) Actual progress is too slow to complete within the Time for Completion, and/or b) Progress has fallen (or will fall) behind the current programme under Sub-Clause 8.3 [Programme], other than as a result of a cause listed in Sub-Clause 8.4 [Extension of Time for Completion], then the Architect may instruct the Contractor to submit, under Sub-Clause 8.3 [Programme], a revised programme and supporting report describing the revised methods which the Contractor proposes to adopt in order to expedite progress and complete within the Time for Completion. 8.6.2 Unless the Architect notifies otherwise, the Contractor shall adopt these revised methods, which mayrequire increases in the working hours and/or in the numbers of Contractor's Personnel and/or Goods, at the risk and cost of the Contractor. If these revised methods cause the Procuring Entity to incur additional costs, the Contractor shall subject to notice under Sub-Clause 2.5 [Procuring Entity's Claims] pay these costs to the Procuring Entity, in addition to delay damages (if any) under Sub-Clause 8.7 below. 8.6.3 Additional costs of revised methods including acceleration measures, instructed by the Architect to reduce delays resulting from causes listed under Sub-Clause 8.4 [Extension of Time for Completion] shall be paid by the Procuring Entity, without generating, however, any other additional payment benefit to the Contractor.		-
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	8.7 Delay Damages			
A	8.7.1 If the Contractor fails to comply with Sub-Clause 8.2 [Time for Completion], the Contractor shall subject to notice under Sub-Clause 2.5 [Procuring Entity's Claims] pay delay damages to the Procuring Entity for this default. These delay damages shall be the sum stated in the **Special Conditions of Contract**, which shall be paid for everyday which shall elapse between the relevant Time for Completion and the date stated in the taking-Over Certificate. However, the total amount due under this Sub-Clause shall not exceed the maximum amount of delay damages (if any) stated in the Special Conditions of Contract.			-
	8.7.2 These delay damages shall be the only damages due from the Contractor for such default, other than in the event of termination under Sub-Clause 15.2 [Termination by Procuring Entity] prior to completion of the Works. These damages shall not relieve the Contractor from his obligation to complete the Works, or from any other duties, obligations or responsibilities which he may have under the Contract.			
	8.8 Suspension of Work			
B	8.8.1 The Architect may at anytime instruct the Contractor to suspend progress of part or all of the Works. During such suspension, the Contractor shall protect, store and secure such part or the Works a gainst any deterioration, loss or damage.			-
	8.8.2 The Architect may also notify the cause for the suspension. If and to the extent that the cause is notified and is the responsibility of the Contractor, the following Sub-Clauses 8.9, 8.10 and 8.11 shall not apply.			
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	8.9 Consequences of Suspension		
A	8.9.1 If the Contractor suffers delay and/or incurs Cost from complying with the Architect instructions under Sub- Clause 8.8 [Suspension of Work] and/or from resuming the work, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to: a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and b) Payment of any such Cost, which shall be included in the Contract Price. 8.9.2 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause3.5 [Determinations] to agree or determine these matters. 8.9.3 The Contractor shall not be entitled to an extension of time for, or to payment of the Cost incurred in, making good the consequences of the Contractor's faulty design, workmanship or materials, or of the Contractor's failure to protect, store or secure in accordance with Sub-Clause 8.8 [Suspension of Work].		-
	8.10 Payment for Plant and Materials in Event of Suspension		
B	The Contractor shall be entitled to payment of the value (as at the date of suspension) of Plant and/ or Materials which have not been delivered to Site, if: a) The work on Plant or delivery of Plant and/ or Materials has been suspended for more than 30 days, and b) the Contractor has marked the Plant and/or Materials as the Procuring Entity's property in accordance with the Architect instructions		-
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	8.11 Prolonged Suspension			
A	If the suspension under Sub-Clause 8.8 [Suspension of Work] has continued for more than 84 days, the Contractor may request the Architect permission to proceed. If the Architect does not give permission within 30 days after being requested to do so, the Contractor may, by giving notice to the Engineer, treat the suspension as an omission under Clause 13 [Variations and Adjustments] of the affected part of the Works. If the suspension affects the whole of the Works, the Contractor may give notice of termination under Sub-Clause 16.2 [Termination by Contractor].			-
	8.12 Resumption of Work			
B	After the permission or instruction to proceed is given, the Contractor and the Architect shall jointly examine the Works and the Plant and Materials affected by the suspension. The Contractor shall make good any deterioration or defect in or loss of the Works or Plant or Materials, which has occurred during the suspension after receivingf rom the Architec tan instruction to this effect under Clause 13 [Variations and Adjustments].			-
	9. TESTS ON COMPLETION			
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	9.1 Contractor's Obligations		
A	9.1.1 The Contractor shall carry out the Tests on Completion in accordance with this Clause and Sub-Clause 7.4 [Testing], after providing the documents in accordance with sub-paragraph (d) of Sub-Clause 4.1 [Contractor's General Obligations].		
	9.1.2 The Contractor shall give to the Architect not less than 21 days' notice of the date after which the Contractor will be ready to carry out each of the Tests on Completion. Unless otherwise agreed, Tests on Completion shall be carried out within 14 days after this date, on such day or days as the Architect shall instruct.		
	9.1.3 In considering the results of the Tests on Completion, the Architect shall make allowances for the effect of any use of the Works by the Procuring Entity on the performance or other characteristics of the Works. As soon as the Works, or a Section, have passed any Tests on Completion, the Contractor shall submit a certified report of the resultsof these Tests to the Engineer.		-
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	9.2 Delayed Tests			
A	9.2.1 If the Tests on Completion are being unduly delayed by the Procuring Entity, Sub-Clause 7.4 [Testing] (fifth paragraph) and/ or Sub-Clause 10.3 [Interference with Tests on Completion] shall be applicable. 9.2.2 If the Tests on Completion are being unduly delayed by the Contractor, the Architect may by notice require the Contractor to carry out the Tests within 21 days after receiving the notice. The Contractor shall carry out the Testson such day or days within that period as the Contractor may fix and of which he shall give notice to the Engineer. 9.3.3 If the Contractor fails to carryout the Tests on Completion within the period of 21 days, the Procuring Entity's Personnel may proceed with the Test sat the risk and cost of the Contractor. The Tests on Completion shall then be deemed to have been carried out in the presence of the Contractor and the results of the Tests shall be accepted asaccurate.			-
	9.3 Retesting of related works			
B	If the Works, or a Section, fail to pass the Tests on Completion, Sub-Clause 7.5 [Rejection] shall apply, and the Architect or the Contractor may require the failed Tests, and Tests on Completion on any related work, to be repeated under the same terms and conditions.			-
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	9.4 Failure to Pass Tests on Completion			
A	9.4.1 If the Works, or a Section, fail to pass the Tests on Completion repeated under Sub-Clause 9.3 [Retesting], the Architect shall be entitled to: a) Order further repetition of Tests on Completion under Sub-Clause 9.3; or b) if the failure deprives the Procuring Entity of substantially the whole benefit of the Works or Section, reject the Works or Section (as the case may be), in which event the Procuring Entity shall have the same remedies as are provided in sub-paragraph (c) of Sub-Clause1 1.4 [Failure to Remedy Defects].			-
	10. PROCURING ENTITY'S TAKING OVER			
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	10.1 Taking Over of the Works and Sections		
A	10.1.1 Except as stated in Sub-Clause 9.4 [Failure to Pass Tests on Completion], the Works shall be taken over by the Procuring Entity when (i) the Works have been completed in accordance with the Contract, including the matters described in Sub-Clause 8.2 [Time for Completion] and except as allowed in sub-paragraph (a) below, and (ii) a Taking-Over Certificate for the Works has been issued, or is deemed to have been issued in accordance with this Sub-Clause.		
	10.1.2 The Contractor may apply by notice to the Architect for a Taking-Over Certificate not earlier than 14 days before the Works will, in the Contractor's opinion, be complete and ready for taking over. If the Works are divided into Sections, the Contract or may similarly apply for a Taking-Over Certificate for each Section.		
	10.1.3 The Architect shall, within 30 days after receiving the Contractor's application: a) Issue the Taking-Over Certificate to the Contract or, stating the date on which the Works or Section were completed in accordance with the Contract, except for any minor out standing work and defects which will not substantially affect the use of the Works or Section for their intended purpose (either until or whilst this work is completed and these defects are remedied); or b) reject the application, giving reasons and specifying the work required to be done by the Contractor to enable the Taking-Over Certificate to be issued. The Contractor shall then complete this work before issuing a further notice undert his Sub-Clause.		
	10.1.4 If the Architect fails either to issue the Taking-Over Certificate or to reject the Contractor's application within the period of 30 days, and if the Works or Section (as the case may be) are substantially in accordance with the Contract, the Taking-Over Certificate shall be deemed to have been issued on thel ast day of that period.		-
	10.2 Taking Over of Parts of the Works		
B	10.2.1 The Architect may, at the sole discretion of the Procuring Entity, issue a Taking-Over Certificate for any part of the Permanent Works.		
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	10.2.2 The Procuring Entity shall not use any part of the Works (other than as a temporary measure which is either specified in the Contract or agreed by both Parties) unless and until the Architect has issued a Taking-Over Certificate for this part. However, if the Procuring Entity does use any part of the Works before the Taking-Over Certificate is issued: a) The part which is used shall be deemed to have been taken over as from the date on which it is used, b) the Contractor shall cease to be liable for the care of such part as from this date, when responsibility shall pass to the Procuring Entity, and c) if requested by the Contractor, the Architect shall issue a Taking-Over Certificate for this part.		
	10.2.3 After the Architect has issued a Taking-Over Certificate for a part of the Works, the Contractor shall be given the earliest opportunity to take such steps as may be necessary to carry out any outstanding Tests on Completion. The Contractor shall carry out these Tests on Completion as soon as practicable before the expiry date of the relevant Defects Notification Period.		
	10.2.4 If the Contractor incurs Cost as a result of the Procuring Entity taking over and/or using a part of the Works, other than such use as is specified in the Contractor agreed by the Contractor, the Contractor shall (i) give notice to the Architect and (ii) be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to payment of any such accrued costs, which shall be included in the Contract Price. After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine this accrued cost.		
	10.2.5 If a Taking-Over Certificate has been issued for a part of the Works (other than a Section), the delay damages there after for completion of the remainder of the Works shall be reduced. Similarly, the delay damages for the remainder of the Section (if any) in which this part is included shall also be reduced. For any period of delay after the date stated in this Taking-Over Certificate, the proportional reduction in these delay damages shall be calculated as the proportion which the value of the part so certified bears to the value of the Works or Section (as the case may be) as a whole. The Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these proportions. The provisions of this paragraph shall only apply to the daily rate of delay damages under Sub-Clause 8.7 [Delay Damages] and shall not affect the maximum amount of these damages.		-
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	10.3 Interference with Tests on Completion		
A	10.3.1 If the Contractor is prevented, for more than 14 days, from carrying out the Tests on Completion by a cause for which the Procuring Entity is responsible, the Procuring Entity shall be deemed to have taken over the Works or Section (as the case may be) on the date when the Tests on Completion would otherwise have been completed. 10.3.2 The Architect shall then issue a Taking-Over Certificate accordingly, and the Contractor shall carry out the Tests on Completion as soon as practicable, before the expiry date of the Defects Notification Period. The Architect shall require the Tests on Completion to be carried out by giving 14 days' notice and in accordance with the relevant provisions of the Contract. 10.3.3 If the Contractor suffers delay and/or incurs Cost as a result of this delay in carrying out the Tests on Completion, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to: a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and b) payment of any such accrued costs, which shall be included in the Contract Price. 10.3.4 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.		-
	10.4 Surfaces Requiring Reinstatement		
B	Except as otherwise stated in a Taking-Over Certificate, a certificate for a Section or part of the Works shall not be deemed to certify completion of any ground or other surfaces requiring reinstatement.		-
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	11. DEFECTS LIABILITY		
	11.1 Completion of Outstanding Work and Remedying Defects		
A	11.1.1 In order that the Works and Contractor's Documents, and each Section, shall be in the condition required by the Contract (fairwear and tear excepted) by the expiry date of the relevant Defects Notification Period or as soon as practicable there after, the Contractor shall: a) complete any work which is outstanding on the date stated in a Taking-Over Certificate, within such reasonable time as is instructed by the Engineer, and b) execute all work required to remedy defects or damage, as may be notified by (or on behalf of) the Procuring Entity on or before the expiry date of the Defects Notification Period for the Works or Section (as the case may be).		
	11.1.2 If a defect appears or damage occurs, the Contractor shall be notified accordingly by the Engineer.		-
	11.2 Cost of Remedying Defects		
B	11.2.1 All work referred to in sub-paragraph (b) of Sub-Clause 11.1 [Completion of Outstanding Work and Remedying Defects] shall be executed at the risk and cost of the Contractor, if and to the extent that the work is attributable to: a) Any design for which the Contractor is responsible, b) Plant, Materials or workmanship not being in accordance with the Contract, or c) Failure by the Contractor to comply with any other obligation.		
	11.2.2 If and to the extent that such work is attributable to any other cause, the Contractor shall be notified promptly by (or on behalf of) the Procuring Entity, and Sub-Clause 13.3 [Variation Procedure] shall apply.		-
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	11.3 Extension of Defects Notification Period			
A	11.3.1 The Procuring Entity shall be entitled subject to Sub-Clause 2.5 [Procuring Entity's Claims] to an extension of the Defects Notification Period for the Works or a Section if and to the extent that the Works, Section or a major item of Plant (as the case may be, and after taking over) cannot be used for the purposes for which they are intended by reason of a defect or by reason of damage attributable to the Contractor. However, a Defects Notification Period shall not be extended by more than two years.			
	11.3.2 If delivery and/ or erection of Plant and/ or Materials was suspended under Sub-Clause 8.8 [Suspension of Work] or Sub-Clause 16.1 [Contractor's Entitlement to Suspend Work], the Contractor's obligations under this Clause shall not appl yto any defectsor damage occurring more than two years after the Defects Notification Period for the Plant and/ or Materials would otherwise have expired.			-
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	11.4 Failure to Remedy Defects			
A	11.4.1 If the Contractor fails to remedy any defect or damage within a reasonable time, a date may be fixed by the Engineer, on or by which the defect or damage is to be remedied. The Contractor shall be given reasonable notice of this date. 11.4.2 If the Contractor fails to remedy the defect or damage by this notified date and this remedial work was to be executed at the cost of the Contractor under Sub-Clause 11.2[Costo f Remedying Defects], the Procuring Entity may (at his option): (a) Carry out the work itself or by others, in a reasonable manner and at the Contractor's cost, but the Contractor shall have no responsibility for this work; and the Contractor shall subject to Sub-Clause 2.5 [Procuring Entity's Claims] pay to the Procuring Entity the costs reasonably incurred by the Procuring Entity in remedying the defect or damage; (b) Requirethe Architect to agree or determine a reasonable reduction in the Contract Price in accordance with Sub-Clause 3.5 [Determinations]; or (c) if the defect or damage deprives the Procuring Entity of substantially the whole benefit of the Works or any major part of the Works, terminate the Contractas a whole, or in respect of such major part which cannot be put to the intended use. Without prejudice to any other rights, under the Contractor otherwise, the Procuring Entity shall then be entitled to recover all sums paid for the Works or for such part (as the case may be), plus financing costs and the cost of dismantling the same, clearing the Site and returning Plant and Materials to the Contractor.			-
	11.5 Removal of Defective Work			
B	If the defector damage cannot be remedied expeditiously on the Site and the Procuring Entity gives consent, the Contractor may remove from the Site for the purposes of repair such items of Plant as are defective or damaged. This consent may require the Contractor to increase the amount of the Performance Security by the full replacement cost of these items, or to provide other appropriate security.			-
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	11.6 Further Tests		
A	11.6.1 If the work of remedying of any defector damage may affect the performance of the Works, the Architect may require the repetition of any of the tests described in the Contract. The requirement shall be made by notice within 14 days after the defect or damage is remedied.		
	11.6.2 These tests shall be carried out in accordance with the terms applicable to the previous tests, except that they shall be carried out at the risk and cost of the Party liable, under Sub-Clause 11.2 [Cost of Remedying Defects], for the cost of the remedial work.		-
	11.7 Right of Access		
B	Unti lthe Completion Certificate has been issued, the Contractor shall have such right of access to the Works as is reasonably required in order to comply with this Clause, except as may be inconsistent with the Procuring Entity's reasonable security restrictions.		-
	11.8 Contractor to Search		
C	The Contractor shall, if required by the Engineer, search for the cause of any defecton parts of the works that have already accepted, under the direction of the Engineer. Unless the defect is to be remedied at the cost of the Contractor under Sub-Clause 11.2 [Cost of Remedying Defects], the Cost of the search plus profit shall be agreed or determined by the Architect in accordance with Sub-Clause 3.5 [Determinations] and shall be included in the Contract Price.		-
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	11.9 Completion Certificate			
A	11.9.1 Performance of the Contractor's obligations shall not be considered to have been completed until the Architect has issued the Completion Certificate to the Contractor, stating the date on which the Contractor completed his obligations under the Contract.			
	11.9.2 The Architect shall issue the Completion Certificate within 30days after the latest of the expiry dates of the Defects Liability Period, or as soon there after as the Contractor has supplied all the Contractor's Documents and completed and tested all the Works, including remedying any defects. A copy of the Completionn Certificate shall be issued to the Procuring Entity.			
	11.9.3 Only the Completion Certificate shall be deemed to constitute acceptance of the Works.			-
	11.10 Unfulfilled Obligations			
B	After the Completion Certificate has been issued, each Party shall remain liable for the fulfilment of any obligation which remains unperformed at that time. For the purposes of determining the nature and extent of unperformed obligations, the Contract shall be deemed to remain in force.			-
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	11.11 Clearance of Site			
A	11.11.1 Upon receiving the Completion Certificate, the Contractor shall remove any remaining Contractor's Equipment, surplus material, wreckage, rubbish and Temporary Works from the Site.			
	11.11.2 If all these items have not been removed within 30 days after receipt by the Contractor of the Completion Certificate, the Procuring Entity may sell or otherwise dispose of any remaining items. The Procuring Entity shall be entitled to be paid the costs incurred in connection with, or attributable to, such sale or disposal and restoring the Site.			
	11.11.3 Any balance of the moneys from the sale shall be paid to the Contractor. If these moneys are less than the Procuring Entity's costs, the Contractor shall pay the outstanding balance to the Procuring Entity.			-
	12. MEASUREMENT AND EVALUATION			
	Carried Forward	Ksh		

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	12.1 Works to be Measured			
A	12.1.1 The Works shall be measured, and valued for payment, in accordance with this Clause. The Contractorshall show in each application under Sub-Clauses 14.3 [Application for Interim Payment Certificates], 14.10 [Statement on Completion] and 14.11 [Application for Final Payment Certificate] the quantities and other particulars detailing the amounts which he considers to be entitled under the Contract.			
	12.1.2 Whenever the Architect requires any part of the Works to be measured, reasonable notice shall be given to the Contractor's Representative, who shall: a) promptly either attend or send another qualified representative to assist the Architect in making the measurement, and b) supply any particulars requested by the Engineer.			
	12.1.3 If the Contractor fails to attend or send a representative, the measurement made by the Architect shall be accepted as accurate.			
	12.1.4 Except as otherwise stated in the Contract, wherever any Permanent Works are to be measured from records, these shall be prepared by the Engineer. The Contractor shall, as and when requested, attend to examine and agreet her ecords with the Engineer, and shall sign the same when agreed. If the Contractor does not attend, the records shall be accepted as accurate.			
	12.1.5 If the Contractor examines and disagrees the records, and/ or does not sign them as agreed, then the Contractor shall give notice to the Architect of the respects in which the records are asserted to be inaccurate. After receiving this notice, the Architect shall review the records and either confirm or vary them and certify the paymentofthe undisputed part. If the Contractor does not so give notice to the Architect within 14 days after being requested to examine the records, they shall be accepted as accurate.			-
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	12.2 Method of Measurement			
A	Except as otherwise stated in the Contract: a) Measurement shall be made of the net actual quantity of each item of the Permanent Works, and b) the method of measurement shall be in accordance with the Bill of Quantities or other applicable Schedules.			-
	12.3 Evaluation			
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B	12.3.1 Except as otherwise stated in the Contract, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine the value of workd one by evaluating each item of work, applying the measurement agreed or determined in accordance with the above Sub-Clauses 12.1 and 12.2 and the appropriate rate or price for the item.		
	12.3.2 For each item of work, the appropriate rate or price for the item shall be the rate or price specified for such item in the Contractor, if there is no such item, specified for similar work.		
	12.3.3 Any item of work included in the Bill of Quantities for which no rate or price was specified shall be considered as included in other rates and prices in the Bill of Quantities and will not be paid for separately.		
	12.3.4 However, for a new item of work, a new rate or price shall be appropriate for such item of work if: a) The work is instructed under Clause13 [Variations and Adjustments], b) no rate or price is specified in the Contract for this item, and c) no specified rate or price is appropriate because the item of work is not of similar character, or is not executed under similar conditions, as any item in the Contract.		
	12.3.5 Each new rate or price shall be derived from any relevant rates or prices in the Contract. If no rates or prices are relevant for the new item of work, it shall be derived from the reasonable Cost of executing such work, prevailing market rates, together with profit, taking account of any other relevant matters.		
	12.3.6 Until such time as an appropriate rate or price is agreed or determined, the Architect shall determine a provisional rate or price for the purposes of Interim Payment Certificates as soon as the concerned work commences.		
	12.3.7 Where the contract price is different from the corrected tender price, in order to ensure the contractor is not paid less or more relative to the contract price (*which would be the tender price*), payment valuation certificates and variation orders on omissions and additions valued based on rates in the Bill of Quantities or schedule of rates in the Tender, will be adjusted by a plus or minus percentage. The percentage already worked out during tender evaluation is worked out as follows: *(corrected tender price– tender price)/ tender price X 100*.		-
	Carried Forward Ksh		

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	12.4 Omissions		
A	Whenever the omission of any work forms part (or all) of a Variation, the value of which has not been agreed, if: a) The Contractor will incur (or has incurred) cost which, if the work had not been omitted, wouldhavebeen deemed to be covered by a sum forming part of the Accepted Contract Amount; b) The omission of the work will result (or has resulted) in this sum not forming part of the Contract Price; and c) this cost is not deemed to be included in the evaluation of any substituted work; then the Contractor shall give notice to the Architect accordingly, with supporting particulars. Upon receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine this cost, which shall be included in the Contract Price.		-
	13. VARIATIONS AND ADJUSTMENTS		
	Carried Forward Ksh		

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	13.1 Right to Vary			
A	13.1.1 Variations may be initiated by the Architect at any time prior to issuing the Taking-Over Certificate for the Works, either by an instruction or by a request for the Contractor to submit a proposal. No Variation instructed by the Architect under this Clause shall in any way vitiate or in validate the Contract.			
	13.1.2 The Contractor shall execute and be bound by each Variation, unless the Contractor promptly gives notice to the Architect stating (with supporting particulars) that (i) the Contractor cannot readily obtain the Goods required for the Variation, or (ii) such Variation triggers a substantial change in the sequence or progress of the Works. Upon receiving this notice, the Architect shall cancel, confirm or vary the instruction.			
	13.1.3 Each Variation may include: a) changes to the quantities of any item of work included in the Contract (however, such changes do not necessarily constitute a Variation), b) changes to the quality and otherc haracteristics of any item of work, c) changes to the levels, positions and/ or dimensions of any part of the Works, d) omission of any work unless it is to be carried out by others, e) any additional work, Plant, Materials or services necessary for the Permanent Works, including any associated Tests on Completion, boreholes and other testing and exploratory work, or f) changes to the sequence or timing of the execution of the Works.			
	13.1.4 The Contractor shall not make any alteration and/or modification of the Permanent Works, unless and until the Architect instructs after obtaining approval of the Procuring Entity.			-
	13.2. *Variation Order Procedure*			
B	13.2.1 Priortoany Variation Order under Sub-Clause 13.1.4 the Architect shall notify the Contractor of the nature and form of such variation. As soon as possible after having received such notice, the Contractor shall submit to the Engineer: a) A description of work, if any, to be performed and a programme for its execution, and			
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	b) the Contractor's proposals for any necessary modifications to the Programme according to Sub-Clause 8.3 or to any of the Contractor's obligations under the Contract, and c) the Contractor's proposals for adjustment to the Contract Price. Following the receipt of the Contractor's submission the Architect shall, after due consultation with the Employer and the Contractor, decide as soon as possible whether or not the variation shall be carried out. If the Architect decides that the variation shall be carried out, he shall issue a Variation Order clearly identified as such in accordance with the Contractor's submission or as modified by agreement. If the Architect and the Contractor are unable to agree the adjustment of the Contract Price, the provisions of Sub-Clause 13.2.2 shall apply.	
	13.2.2 Disagreement on Adjustment of the Contract Price If the Contractor and the Architecture unable to agree on the adjustment of the Contract Price, the adjustment shall be determined in accordance with the rates specified in the Bills of Quantities or Schedule of Daywork Prices. If the rates contained in the Bills of Quantities or Dayworks Prices are not directly applicable to the specific work in question, suitable rates shall be established by the Architect reflecting the level of pricing in the Dayworks Prices. Where rates are not contained in the said Prices, the amount shall be such as is in all the circumstances reasonable, reflecting a market price. Due account shall be taken of any over-or under-recovery of overheads by the Contractor in consequence of the variation. The Contractor shall also be entitled to be paid: a) The cost of any partial execution of the Work srendered useless by any such variation, b) Thecostof making necessary alterations to Plant already manufactured or in the course of manufacture or of any work done that has to be altered in consequence of such a variation, c) any additional costs incurred by the Contractor by the disruption of the progress of the Works as detailed in the Programme, and d) the net effect of the Contractor's financec osts, including interest, caused by the variation. The Architect shall on this basis determine the rates or prices to enable on-account payment to be included in certificates of payment. **13.2.3 Contractor to Proceed**	
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	On receipt of a Variation Order, the Contractor shall forth with proceed to carry out the variation and be bound to these Conditions in so doing as if such variation was stated in the Contract. The work shall not be delayed pending the granting of an extension of the Time for Completion or an adjustment to the Contract Price under Sub-Clause31.3.			-
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GENERAL CONDITIONS OF CONTRACT

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

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	13.3 *Value Engineering*		
A	13.3.1 TheContractor may, at anytime, submit to the Architect written proposal which (in the Contractor's opinion) will, if adopted, (i) accelerate completion, (ii) reduce the cost to the Procuring Entity of executing, maintaining or operating the Works, (iii) improve the efficiency or value to the Procuring Entity of the completed Works, or (iv) otherwise be of benefit to the Procuring Entity.		
	13.3.2 The proposal shall be prepared at the cost of the Contractor and shall include the items listed in Sub-Clause 13.3 [Variation Procedure].		
	13.2.3 If a proposal, which is approved by the Engineer, includes a change in the design of part of the Permanent Works, then unless otherwise agreed by both Parties: a) The Contractor shall design this part, b) sub-paragraphs (a) to (d) of Sub-Clause 4.1 [Contractor's General Obligations] shall apply, and c) if this change results in a reduction in the contract value of this part, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine a fee, which shall be included in the Contract Price. This fee shall behalf (50%) of the difference between the following amounts: i) such reduction in contract value, resulting from the change, excluding adjustments under Sub-Clause 13.8 [Adjustments for Changes in Legislation] and Sub-Clause 13.8 [Adjustments for Changes in Cost], and ii) the reduction (if any) in the value to the Procuring Entity of the varied works, taking account of any improvement in quality, anticipated life or operational efficiencies.		
	13.3.4 However, if the amount established in item 13.2.3 (c) (i) is less than amount established in item 13.2.3 (c (ii), there shall not be a fee. However, if the if the amount established in item 13.2.3 (c) (i) is more than amount established in item 13.2.3 (c (ii), it shall result in a price variation to the Procuring Entity.		-
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	13.4 *Variation Procedure for Value Engineering proposal*		
A	13.4.1 If the Architect requests a proposal, prior to instructing a Variation, the Contractor shall respond in writinga s soon as practicable, either by giving reasons why he cannot comply (if this is the case) or by submitting: a) A description of the proposed work to be performed and a programme for its execution, b) the Contractor's proposal for any necessary modifications to the programme according to Sub-Clause 8.3 [Programme] and to the Time for Completion, and c) the Contractor's proposal for evaluation of the Variation. 13.4.2 The Architect shall, as soon as practicable after receiving such proposal (under Sub-Clause 13.2 [Value Project Engineering] or otherwise), respond with approval, disapproval or comments. The Contractor shall not delay any work whilst a waiting a response. 13.4.3 Each instruction to execute a Variation, with any requirements for the recording of Costs, shall be issued by the Architect to the Contractor, who shall acknowledge receipt. 13.4.4 Each Variation shall be evaluated in accordance with Clause 12 [Measurement and Evaluation], unless the Architect instructs or approves otherwise in accordance with this Clause.		-
	13.5 Payment in Applicable Currencies		
B	If the Contract provides for payment of the Contract Price in more than one currency, then whenever an adjustment is agreed, approved or determined as stated above, the amount payable in each of the applicable currencies shall be specified. For this purpose, reference shall be made to the actual or expected currency proportions of the Cost of the varied work, and to the proportions of various currencies specified for payment of the Contract Price.		-
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	13.6 Provisional Sums		
A	13.6.1 Each Provisional Sum shall only be used, in whole or inpart, in accordance with the Architect instructions, and the Contract Price shall be adjusted accordingly. The total sum paid to the Contractor shall include onlysuch amounts, for the work, supplies or services to which the Provisional Sum relates, as the Architect shall have instructed. For each Provisional Sum, the Architect May instruct: a) Work to be executed (including Plant, Materialso r services to be supplied) by the Contractor and valued under Sub-Clause 13.3 [Variation Procedure]; and/or b) Plant, Materials or services to be purchased by the Contractor, from a nominated Subcontractor (as defined in Clause 5 [Nominated Subcontractors]) or otherwise; and for which there shall be included in the Contract Price: i) The actual amounts paid (or due to be paid) by the Contractor, and ii) a sum for overhead charges and profit, calculated as a percentage of these actual amounts by applying the relevant percentage rate (if any) stated in the appropriate Schedule. If there is no such rate, the percentage rate stated in **the Special Conditions of Contract** shall be applied. 13.6.2 The Contractor shall, when required by the Engineer, produce quotations, invoices, vouchers and accounts or receipts in substantiation.		-
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	13.7 Dayworks			
A	13.7.1 For work of a minor or incidental nature, the Architect may instruct that a Variation shall be executed on a daywork basis. The work shall then be valued in accordance with the Daywork Schedule included in the Contract, and the following procedure shall apply. If a Daywork Schedule is not included in the Contract, this Sub-Clause shall not apply.			
	13.7.2 Before ordering Goods for the work, the Contractor shall submit quotations to the Engineer. When applying for payment, the Contractor shall submit invoices, vouchers and accounts or receipts for any Goods.			
	13.7.3 Except for any items for which the Daywork Schedule specifies that payment is not due, the Contractor shall delive reach day to the Architect accurate statements induplicate which shall include the following details of the resources used in executing the previous day's work: a) The names, occupations and time of Contractor's Personnel, b) the identification, type and time of Contractor's Equipment and Temporary Works, and c) the quantities and types of Plant and Materials used.			
	13.7.4 One copy of each statement will, if correct, or when agreed, be signed by the Architect and returned to the Contractor. The Contractor shall then submit priced statements of these resources to the Engineer, prior to their inclusion in the next Statement under Sub-Clause 14.3 [Application for Interim Payment Certificates].			-
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	13.8 Adjustments for Changes in Legislation			
A	13.8.1 The Contract Price shall be adjusted to take account of any increase or decrease in Cost resulting from a change in the Laws of Kenya (including the introduction of new Laws and the repeal or modification of existing Laws) or in the judicial or official governmental interpretation of such Laws, made after the Base Date, which affect the Contractor in the performance of obligations under the Contract.			
	13.8.2 If the Contractor suffers (or will suffer) delay and/or incurs (or will incur) additional Cost as a result of these changes in the Laws or in such interpretations, made after the Base Date, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to: a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and b) payment of any such Cost, which shall be included in the Contract Price.			
	13.8.3 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.			
	13.8.4 Not withstanding the foregoing, the Contractor shall not be entitled to an extension of time if the relevant delay has already been taken into account in the determination of a previous extension of time and such Cost shall not be separately paid if the same shall already have been taken into account in the indexing of any inputs to the table of adjustment data in accordance with the provisions of Sub-Clause 13.8 [Adjustments for Changes in Cost].			-
	13.9 Adjustments for Changes in Cost			
B	13.9.1 In this Sub-Clause, "table of adjustment data" means the completed table of adjustment data for local and foreign currencies included in the Schedules. If there is no such table of adjustment data, this Sub-Clause shall not apply.			
	13.9.2 If this Sub-Clause applies, the amounts payable to the Contractor shall be adjusted for rises or falls in the cost of labor, Goods and other inputs to the Works, by the addition or deduction of the amounts determined by the formulae prescribed in this Sub-Clause. To the extent that full compensation for any rise or fall in Costs			
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	is not covered by the provisions of this or other Clauses, the Accepted Contract Amount shall be deemed to have included a mounts to cover the contingency of other rises and falls in costs.	
13.9.3	The adjustment to be applied to the amount otherwise payable to the Contractor, as valued in accordance with the appropriate Schedule and certified in Payment Certificates, shall be determined from formulae for each of the currencies in which the Contract Price is payable. No adjustment is to be applied to work valued on the basis of Cost or current prices. The formulae shall be of the following general type:	
	Price Adjustment Formula	
13.9.4	Prices shall be adjusted for fluctuations in the cost of inputs only if **provided for in** amounts certified in each payment certificate, before deducting for Advance Paym applying the respective price adjustment factor to the payment amounts due in formula of the type specified below applies:	
	P = A + B Im/Io	
13.9.5	where: **P** is the adjustment factor for the portion of the Contract Price payable. **A** and **B** a recoefficients **specified in the SCC,** representing then on adjustable and respectively, of the Contract Price payable and **I m** is the index prevailing at the end of the month being invoiced and **Io**c is the inc before Bid opening for inputs payable.	
13.9.6		
13.9.7	**NOTE:** The sum of the two coefficients A and B should be 1 (one) in the formula for both coefficients shall be the same in the formulae for all currencies, since adjustable portion of the payments, is a very approximate figure (usually 0.1 cost elements or other nonadjustable components. The sum of the adjustm added to the Contract Price.	
13.9.8	The weightings (coefficients) for each of the factors of cost stated in the table(s) of adjustment data shall only be adjusted if they have been rendered unreasonable, unbalanced or in applicable, as a result of Variations.	-
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	14. CONTRACT PRICE AND PAYMENT		
	14.1 The Contract Price		
A	14.1.1 Unless otherwise stated in the Special Conditions: a) The value of the payment certificate shall be agreed or determined under Sub-Clause 12.3 [Evaluation] and be subject to adjustments in accordance with the Contract; b) the Contractor shall pay all taxes, duties and fees required to be paid by him under the Contract, and the Contract Price shall not be adjusted for any of these costs except as stated in Sub-Clause 13.7 [Adjustments for Changes in Legislation]; c) any quantities which may be set out in the Bill of Quantities or other Schedule are estimated quantities and are not to be taken as the actual and correct quantities: i) of the Works which the Contractor is required to execute, or ii) for the purposes of Clause12 [Measurement and Evaluation]; and d) the Contractor shall submit to the Engineer, within 30 days after the Commencement Date, a proposed breakdown of each lump sum price in the Schedules. The Architect may take account of the break down when preparing Payment Certificates but shall not be bound by it.		
	14.1.2 Notwithstanding the provisions of subparagraph (b), Contractor's Equipment, including essential spare parts there for, imported by the Contractor for the sole purpose of executing the Contract shall not be exempt from the payment of import duties and taxes upon importation.		-
	14.2 Advance Payment		
B	14.2.1 The Procuring Entity shall make an advance payment, as an interest-free loan for mobilization and cashflow support, when the Contractor submits a guarantee in accordance with this Clause. The total advance payment, the number and timing		
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	of instalments (if more than one), and the applicable currencies and proportions, shall be as stated in the **Special Conditions of Contract.**	
	14.2.2 Unless and until the Procuring Entity receives this guarantee, or if the total advance payment is not stated in the Special Conditions of Contract, this Sub-Clause shall not apply.	
	14.2.3 The Architect shall deliver to the Procuring Entity and to the Contractor an Interim Payment Certificate for the advance payment or its first instalment after receiving a Statement (under Sub-Clause 14.3 [Application for Interim Payment Certificates]) and after the Procuring Entity receives (i) the Performance Security in accordance with Sub-Clause 4.2 [Performance Security] and (ii) a guarantee in amounts and currencies equal to the a dvance payment. This guarantee shall be issued by a reputable bank or financial institutions elected by the Contractor and shall be in the form annexed to the Special Conditions or in another form approved by the Procuring Entity.	
	14.2.4 The Contractor shall ensure that the guarantee is valid and enforceable until the advance payment has been repaid, but its amount shall be progressively reduced by the amount repaid by the Contractor as indicated in the Payment Certificates. If the terms of the guarantee specify its expiry date, and the advance payment has not been repaid by the date 30 days prior to the expiry date, the Contractor shall extend the validity of the guarantee until the advance payment has been repaid.	
	14.2.3 Unless stated otherwise in **the Special Conditions of Contract**, the advance payment shall be repaid through percentage deductions from the interim payments determined by the Architect in accordance with Sub-Clause 14.6 [Issue of Interim Payment Certificates], as follows: a) Deductions shall commence in the next interim Payment Certificate following that in which the total of all certified interim payments (excluding the advance payment and deductions and repayments of retention) exceeds 30 percent (30%) of the Accepted Contract Amount less Provisional Sums; and b) deductions shall be made at the amortization rate stated in the **Special Conditions of Contract** of the amount of each Interim Payment Certificate (excluding the advance payment and deductions for its repayments as well as deductions for retention money) in the currencies and proportions of the advance payment until such time as the advance payment has been repaid; provided that the advance payment shall be completely repaid prior to the	
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	time when 90 percent (90%) of the Accepted Contract Amount less Provisional Sums has been certified for payment.			
	14.2.4 If the advance payment has not been repaid prior to the issue of the Taking-Over Certificate for the Works or prior to termination under Clause 15 [Termination by Procuring Entity], Clause 16 [Suspension and Termination by Contractor] or Clause 19 [Force Majeure] (as thec ase may be), the whole of the balance then outstanding shall immediately become due and in case of termination under Clause 15 [Termination by Procuring Entity], except for Sub-Clause 14.2.7 [Procuring Entity's Entitlement to Termination for Convenience], payable by the Contractor to the Procuring Entity.			-
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	14.3 Application for Interim Payment Certificates			
A	14.3.1 The Contractor shall submit a Statement (in number of copies indicated in the **Special Conditions of Contract**) to the Architect after the end of each month, in aform approved by the Engineer, showing in detail the amounts to which the Contractor considers itself to be entitled, together with supporting documents which shall include there porton the progress during this month in accordance with Sub-Clause4.21 [Progress Reports].			
	14.3.2 The Statement shall include the following items, as applicable, which shall be expressed in the various currencies in which the Contract Price is payable, in the sequence listed: a) the estimated contract value of the Works executed and the Contractor's Documents produced up to the end of the month (including Variations but excluding items described in sub-paragraphs (b) to (g) below); b) any amounts to be added and deducted for changes in legislation and changes in cost, in accordance with Sub-Clause 13.7 [Adjustments for Changes in Legislation] and Sub-Clause 13.8 [Adjustments for Changes in Cost]; c) any amount to be deducted for retention, calculated by applying the percentage of retention stated in **the Special Conditions of Contract** to the total of the above amounts, until the amount so retained by the Procuring Entity reaches the limit of Retention Money (if any) stated **in the Special Conditions of Contract**; d) any amounts to be added for the advance payment and (if more than one instalment) and to be deducted for its repayments in accordance with Sub-Clause 14.2 [Advance Payment]; e) any amounts to be added and deducted for Plant and Materials in accordance with Sub-Clause 14.5 [Plant and Materials intended for the Works]; f) any other additions or deductions which may have become due under the Contractor otherwise, including those under Clause 20 [Claims, Disputes and Arbitration]; and g) the deduction of amounts certified in all previous Payment Certificates.			-
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	14.4 Schedule of Payments		
A	14.4.1 If the Contract includes a schedule of payments specifying the instalments in which the Contract Price will be paid, then unless otherwise stated in this schedule: a) The instalments quoted in this schedule of payments shall be the estimated contract values for the purposes of sub-paragraph (a) of Sub-Clause 14.3 [Application for Interim Payment Certificates]; b) Sub-Clause 14.5 [Plant and Materials intended for the Works] shall not apply; and c) If these instalments are not defined by reference to the actual progress achieved in executing the Works, and if actual progress is found to be less or more than that on which this schedule of payments was based, then the Architect may proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine revised instalments, which shall take account of the extent to which progress is less or more than that on which the instalments were previously based.		
	14.4.2 If the Contract does not include a schedule of payments, the Contractor shall submit non-binding estimates of the payments which he expects to become due during each quarterly period. The first estimate shall be submitted within 42 days after the Commencement Date. Revised estimates shall be submitted at quarterly intervals, until the Taking-Over Certificate has been issued for the Works.		-
	14.5 Plant and Materials intended for the Works		
B	14.5.1 If this Sub-Clause applies, Interim Payment Certificates shall include, under sub-paragraph (e) of Sub-Clause 14.3, (i) an amount for Plant and Materials which have been sent to the Site for incorporation in the Permanent Works, and (ii) a reduction when the contract value of such Plant and Materials is included as part of the Permanent Works under sub-paragraph (a) of Sub-Clause 14.3 [Application for Interim Payment Certificates].		
	14.5.2 If the lists referred to in sub-paragraphs (b)(i) or (c)(i) below are not included in the Schedules, this Sub-Clause shall not apply.		
	14.5.3 The Architect shall determine and certify each addition if the following conditions a resatisfied:		
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	a) The Contractor has: i) kept satisfactory records (including the orders, receipts, Costs and use of Plant and Materials) which are available for inspection, and (ii) submitted statement of the Cost of acquiring and delivering the Plant and Materials to the Site, supported by satisfactory evidence; and either: b) the relevant Plant and Materials: ii) are those listed in the Schedules for payment when shipped, iii) have been shipped to Kenya, enroute to the Site, in accordance with the Contract; and iv) are described in a clean shipped bill of lading or other evidence of shipment, which has been submitted to the Architect together with evidence of payment of freight and insurance, any other documents reasonably required, and a bank guarantee in a form and issued by an entity approved by the Procuring Entity in amounts and currencies equal to the amount due under this Sub-Clause: this guarantee may be in a similar form to the form referred to in Sub-Clause14.2 [Advance Payment] and shall be valid until the Plant and Materials are properly stored on Site and protected against loss, damage or deterioration; or c) the relevant Plant and Materials: v) are those listed in the Schedules for payment when delivered to the Site, and vi) have been delivered to and are properly stored on the Site, are protected against loss, damage or deterioration and appear to be in accordance with the Contract.	
	14.5.4 The additional amount to be certified shall be the equivalent of eighty percent (80%) of the Architect determination of the cost of the Plant and Materials (including delivery to Site), taking account of the documents mentioned in this Sub-Clause and of the contract value of the Plant and Materials.	
	14.5.5 The currencies for this additional amount shall be the same as those in which payment will become due when the contract value is included under sub-paragraph (a) of Sub-Clause 14.3 [Application for Interim Payment Certificates]. At that time, the Payment Certificate shall include the applicable reduction which shall be equivalent to, and in the same currencies and proportions as, this	
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	additional amount for the relevant Plant and Materials.		-
	14.6 Issue of Interim Payment Certificates		
A	14.6.1 No amount will be certified or paid until the Procuring Entity has received and approved the Performance Security. Thereafter, the Architect shall, within 30 days after receiving a Statement and supporting documents, deliver to the Procuring Entity and to the Contractor an Interim Payment Certificate which shall state the amount which the Architect fairly determines to be due, with all supporting particulars for any reduction or withholding made by the Architect on the Statemen tif any.		
	14.6.2 However, prior to issuing the Taking-Over Certificate for the Works, the Architect shall not be bound to issue an Interim Payment Certificate in an amount which would (after retention and other deductions) be less than the minimum amount of Interim Payment Certificates (if any) stated **in the Special Conditions of Contract**. In this event, the Architect shall give notice to the Contractor accordingly.		
	14.6.3 An Interim Payment Certificate shall not be withheld for any other reason, although: a) if anything supplied or work done by the Contractor is not in accordance with the Contract, the cost of rectification or replacement may be withheld until rectification or replacement has been completed; and/or b) if the Contractor was or is failing to perform any work or obligation in accordance with the Contract, and had been so notified by the Engineer, the value of this work or obligation may be withheld until the work or obligation has been performed.		
	14.6.4 The Architect may in any Payment Certificate make any correction or modification that should properly be made to any previous Payment Certificate. A Payment Certificate shall not be deemed to indicate the Architect acceptance, approval, consent or satisfaction.		-
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	14.7 *Payment*			
A	14.7.1 The Procuring Entity shall pay to the Contractor: a) The advance payment shall be paid within 60 days after signing of the contract by both parties or within 60 days after receiving the documents in accordance with Sub-Clause 4.2 [Performance Security] and Sub- Clause 14.2 [Advance Payment], which ever is later; b) The amount certified in each Interim Payment Certificate within 60 days after the Architect Issues Interim Payment Certificate; and c) the amount certified in the Final Payment Certificate within 60 days after the Procuring Entity Issues Interim Payment Certificate; or after determination of any disputed amount shown in the Final Statement in accordance with Sub-Clause 16.2 [Terminationby Contractor].			
	14.7.2 Payment of the amount due in each currency shall be made into the bank account, nominated by the Contractor, in the payment country (forth is currency) specified in the Contract.			-
	14.8 Delayed Payment			
B	14.8.1 If the Contractor does not receive payment in accordance with Sub-Clause 14.7 [Payment], the Contractor shall be entitled to receive financing charges (simple interest) monthly on the amount unpaid during the period of delay. This period shall be deemed to commence on the date for payment specified in Sub-Clause 14.7 [Payment], irrespective (in the case of its sub-paragraph (b) of the date on which any Interim Payment Certificate isissued.			
	14.8.2 These financing charges shall be calculated at the annual rate of three percentage points above the mean rate of the Central Bank in Kenya of the currency of payment, or if not available, the inter bank offered rate, and shall be paid in such currency.			
	14.8.3 The Contractor shall be entitled to this payment without formal notice and certification, and without prejudice to any other right or remedy.			-
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	14.9 Payment of Retention Money		
A	14.9.1 When the Taking-Over Certificate has been issued for the Works, the first half of the Retention Money shall be certified by the Architect for payment to the Contractor. If a Taking-Over Certificate is issued for a Section or part of the Works, a proportion of the Retention Money shall be certified and paid. This proportion shall behalf (50%) of the proportion calculated by dividing the estimated contract value of the Section or part, by the estimated final Contract Price.		
	14.9.2 Promptly after the latest of the expiry dates of the Defects Liability Periods, the outstanding balance of the Retention Money shall be certified by the Architect for payment to the Contractor. If a Taking-Over Certificate was issued for a Section, a proportion of the second half of the Retention Money shall be certified and paid promptly after the expiry date of the Defects Notification Period for the Section. This proportion shall behalf (50%) of the proportion calculated by dividing the estimated contract value of the Section by the estimated final Contract Price.		
	14.9.3 However, if any work remains to be executed under Clause 11 [Defects Liability], the Architects hall be entitled to withhold certification of the estimated cost of this work until it has been executed.		
	14.9.3 When calculating these proportions, no account shall be taken of any adjustments under Sub-Clause 13.7 [Adjustments for Changes in Legislation] and Sub-Clause13.8 [Adjustments for Changes in Cost].		
	14.9.4 Unless otherwise stated in the Special Conditions, when the Taking-Over Certificate has been issued for the Works and the first half of the Retention Money has been certified for payment by the Engineer, the Contractor shall be entitled to substitute a Retention Money Security guarantee, in the form annexed to the Special Conditions or in another form approved by the Procuring Entity and issued by a reputable bank or financial institution selected by the Contractor, for the second half of the Retention Money.		
	14.9.5 The Procuring Entity shall return the Retention Money Security guarantee to the Contractor within 14 days after receiving a copy of the Completion Certificate.		-
	Carried Forward Ksh		

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	14.10 Statement at Completion		
A	14.10.1 Within 84 days after receiving the Taking-Over Certificate for the Works, the Contractor shall submit to the Architect three copies of a Statement at completion with supporting documents, in accordance with Sub- Clause 14.3 [Application for Interim Payment Certificates], showing: a) the value of all work done in accordance with the Contract up to the date stated in the Taking-Over Certificate for the Works, b) any further sums which the Contractor considers to be due, and c) an estimate of any other amounts which the Contractor considers will become due to him under the Contract. Estimated amounts shall be shown separately in this Statement at completion.		
	14.10.2`The Architect shall then certify in accordance with Sub-Clause 14.6 [Issue of Interim Payment Certificates].		-
	Carried Forward Ksh		

Item No		Ksh	*Amount Kshs*	
	Brought Forward			
	14.11 Application for Final Payment Certificate			
A	14.11.1 Within 60 days after receiving the Completion Certificate, the Contractor shall submit, to the Engineer, six copies of a draft final statement with supporting documents showing in detail in a form approved by the Engineer: a) The value of all work done in accordance with the Contract, and b) Any further sums which the Contractor considers to be due to him under the Contractor otherwise.			
	14.11.2 If the Architect disagrees with or cannot verify any part of the draft final statement, the Contractor shall submit such further information as the Architect may reasonably require within 30 days from receipt of said draft and shall make such changes in the draft as may be agreed between them. The Contractor shall then prepare and submit to the Architect the final statement as agreed. This agreed statement is referred to in these Conditions as the "Final Statement".			
	14.11.3 However, if, following discussions between the Architect and the Contractor and any changes to the draft final statement which are agreed, it be comes evident that a dispute exists, the Architect shall deliver to the Procuring Entity (with a copy to the Contractor) an Interim Payment Certificate for the agreed parts of the draft final statement. Thereafter, if the dispute is finally resolved under Sub-Clause 20.4 [Obtaining Dispute Board's Decision] or Sub-Clause 20.5 [Amicable Settlement], the Contractor shall then prepare and submit to the Procuring Entity (with a copy to the Engineer) a Final Statement.			-
	14.12 Discharge			
B	When submitting the Final Statement, the Contractor shall submit a discharge which confirms that the total of the Final Statement represents full and final settlement of all moneys due to the Contractor under or in connection with the Contract. This discharge may state that it becomes effective when the Contractor has received the Performance Security and the out standing balance of this total, in which event the discharge shall be effective on such date.			-
	Carried Forward	Ksh		

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	14.13 Issue of Final Payment Certificate		
A	14.13.1 Within 30days after receiving the Final Statement and discharge in accordance with Sub-Clause 14.11 [Application for Final Payment Certificate] and Sub-Clause 14.12 [Discharge], the Architect shall deliver, to the Procuring Entity and to the Contractor, the Final Payment Certificate which shall state: a) The amount which he fairly determines is finally due, and b) After giving credit to the Procuring Entity for all amounts previously paid by the Procuring Entity and for all sums to which the Procuring Entity is entitled, the balance (if any) due from the Procuring Entity to the Contractor or from the Contractor to the Procuring Entity, as the case may be.		
	14.13.1 If the Contractor has not applied for a Final Payment Certificate in accordance with Sub-Clause 14.11 [Application for Final Payment Certificate] and Sub-Clause 14.12 [Discharge], the Architect shall request theContractor to do so. If the Contractor fails to submit an application within a period of 30 days, the Architect shall issue the Final Payment Certificate for such amount as he fairly determines to be due.		-
	14.14 Cessation of Procuring Entity's Liability		
B	14.14.1 The Procuring Entity shall not be liable to the Contractor for any matter or thing under or in connection with the Contract or execution of the Works, except to the extent that the Contractor shall have included an amount expressly for it: a) in the Final Statement and also, b) (except for matters or things arising after the issue of the Taking-Over Certificate for the Works) in the Statement at completion described in Sub-Clause 14.10 [Statement at Completion].		
	14.14.1 However, this Sub-Clause shall not limit the Procuring Entity's liability under his in demnification obligations, or the Procuring Entity's liability in any case of fraud, deliberate default or reckless misconduct by the Procuring Entity.		-
	14.15 Currencies of Payment		
C	The Contract Price shall be paid in the currency or currencies named in the		
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	Brought Forward Ksh	
	Schedule of Payment Currencies. If more than one currency is so named, payments shall be made as follows: a) If the Accepted Contract Amount was expressed in Local Currency only: i) the proportions or amounts of the Local and Foreign Currencies, and the fixed rates of exchange to be used for calculating the payments, shall be as stated in the Schedule of Payment Currencies, except as otherwise agreed by both Parties; ii) payments and deductions under Sub-Clause 13.5 [Provisional Sums] and Sub-Clause 13.7 [Adjustments for Changes in Legislation] shall be made in the applicable currencies and proportions; and iii) otherpaymentsanddeductions under sub-paragraphs (a) to (d) of Sub-Clause 14.3 [Application for Interim Payment Certificates] shall be made in the currencies and proportions specified in sub- paragraph (a) (i) above; b) payment of the damages specified in the Special Conditions of Contract, shall be made in the currencies and proportions specified in the Schedule of Payment Currencies; c) other payments to the Procuring Entity by the Contractor shall be made in the currency in which the sum was expended by the Procuring Entity, or in such currency as may be agreed by both Parties; d) if any amount payable by the Contractor to the Procuring Entity in a particular currency exceeds the sum payable by the Procuring Entity to the Contractor in that currency, the Procuring Entity may recover the balance of this amount from the sums otherwise payable to the Contractor in other currencies; and e) if no rates of exchange are stated in the Schedule of Payment Currencies, they shall be those prevailing on the Base Date and determined by the Central Bank of Kenya.	
	Carried Forward Ksh	

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	15. TERMINATION BY PROCURING ENTITY		-
	15.1 Notice to correct any defects or failures		
A	If the Contractor fails to carry out any obligation under the Contract, the Architect may by notice require the Contractor to make good the failure and to remedy it within 30 days.		-
	15.2 Termination by Procuring Entity		
B	15.2.1 The Procuring Entity shall be entitled to terminate the Contract if the Contractor breaches the contract based on following circumstances which shall include but not limited to: a) fails to comply with Sub-Clause 4.2 [Performance Security] or with a notice under Sub-Clause 15.1 [Notice to Correct], b) abandons the Works or otherwise plainly demonstrates the intention not to continue performance of his obligations under the Contract, c) without reasonable excuse fails: i) to proceed with the Works in accordance with Clause 8 [Commencement, Delays and Suspension], or ii) to comply with a notice issued under Sub-Clause 7.5 [Rejection] or Sub-Clause 7.6 [Remedial Work], within 30 days after receiving it, d) subcontracts the major part or whole of the Works or assigns the Contract without the consent of the Procuring Entity, e) becomes bankrupt or insolvent, goes into liquidation, has a receiving or administration order made against him, compounds with his creditors, or carries on business under a receiver, trustee or manager for the benefit of his creditors, or if any act is done or event occurs which (under applicable Laws) has a similar effect to any of theseacts or events, or		
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	f) gives or offers to give (directly or indirectly) to any person any bribe, gift, gratuity, commission or other thing of value, as an induce mentor reward: i) for doing or for bearing to do any action in relation to the Contract, or ii) for showing or for bearing to show favor or disfavor to any person in relation to the Contract, or iii) if any of the Contractor's Personnel, agents or Subcontractors gives or offers to give (directly or indirectly) to any person any such induce mentor reward as is described in this sub-paragraph (f). However, lawful inducements and rewards to Contractor's Personnel shall not entitle termination, or g) If the contract or repeatedly fails to remedy delivers defective work, h) based on reasonable evidence, has engaged in Fraud and Corruption as defined in paragraph 2.2 of the Appendix B to these General Conditions, incompeting for or in executing the Contract.	
	15.2.2 In any of these events or circumstances, the Procuring Entity may, upon giving 14 days' notice to the Contractor, terminate the Contract and expel the Contractor from the Site. However, in the case of sub- paragraph (e) or (f) or (g) or (h), the Procuring Entity may by notice terminate the Contract immediately.	
	15.2.3 The Procuring Entity's election to terminate the Contract shall not prejudice any other rights of the Procuring Entity, under the Contractor otherwise.	
	15.2.4 The Contractor shall then leave the Site and deliver any required Goods, all Contractor's Documents, and other design documents made by or for him, to the Engineer. However, the Contractor shall use his best efforts to comply immediately with any reasonable instructions included in the notice (i) for the assignment of any subcontract, and (ii) for the protection of life or property or for the safety of the Works.	
	15.2.5 After termination, the Procuring Entity may complete the Works and/ or arrange for any other entities to do so. The Procuring Entity and these entities may then use any Goods, Contractor's Documents and other design documents made by or on behalf of the Contractor.	
	15.2.6 The Procuring Entity shall then give notice that the Contractor's Equipment and Temporary Works will be released to the Contractor at or near the Site. The Contractor shall promptly arrange their removal, at the risk and cost of the Contractor. However, if by this time the Contractor has failed to make a payment due to the Procuring Entity, these items may be sold by the Procuring Entity in order to recover this payment. Any balance of the proceeds shall then be paid to	
	Carried Forward Ksh	

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	Brought Forward Ksh		
	the Contractor.		-
	15.3 Valuation at Date of Termination		
A	As soon as practicable after a notice of termination under Sub-Clause 15.2 [Termination by Procuring Entity] has taken effect, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine the value of the Works, Goods and Contractor's Documents, and any other sums due to the Contractor for work executed in accordance with the Contract.		-
	15.4 Payment after Termination		
B	After a notice of termination under Sub-Clause 15.2 [Termination by Procuring Entity] has taken effect, the Procuring Entity may: a) Proceed in accordance with Sub-Clause 2.5 [Procurin Entity's Claims], b) withhold further payments to the Contractor until the costs of execution, completion and remedying of any defects, damages for delay in completion (if any), and all other costs incurred by the Procuring Entity, have been established, and/ or c) recover from the Contractor any losses and damages incurred by the Procuring Entity and any extra costs of completing the Works, after allowing for any sum due to the Contractor under Sub-Clause 15.3 [Valuation at Date of Termination]. After recovering any such losses, damages and extra costs, the Procuring Entity shall pay any balance to the Contractor.		-
	Carried Forward Ksh		

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	Brought Forward			
	15.5 Procuring Entity's Entitlement to Termination for Convenience			
A	The Procuring Entity shall be entitled to terminate the Contract, at any time at the Procuring Entity's convenience, by giving notice of such termination to the Contractor. The termination shall take effect 30 days after the later of the dates on which the Contractor receives this notice or the Procuring Entity returns the Performance Security. The Procuring Entity shall not terminate the Contract under this Sub-Clausein order to execute the Works itself or to arrange for the Works to be executed by another contractor or to avoid a termination of the Contract by the Contractor under Clause 16.2 [Termination by Contractor]. After this termination, the Contractor shall proceed in accordance with Sub-Clause 16.3 [Cessation of Work and Removal of Contractor's Equipment] and shall be paid in accordance with Sub-Clause 16.4 [Payment on Termination].			-
	15.6 Fraud and Corruption			
B	The Contractor shall ensure compliance with the Kenya Government's Anti-Corruption Laws and its prevailing sanctions.			-
	Carried Forward	Ksh		

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	15.7 Corrupt gifts and payments of commission		
A	15.7.1 The Contractor shall not; a) Offer or give or agree to give to any person in the service of the Procuring Entity any gift or consideration of any kind as an inducement or reward for doing or for bearing to door for having done or for borne to do any act in relation to the obtaining or execution of this or any other Contract for the Procuring Entity or for showing or for bearing to show favor or disfavor to any person in relation to this or any other contract for the Procuring Entity. b) Enter into this or any other contract with the Procuring Entity in connection with which commission has been paid or agreed to be paid by him or on his behalf or to his knowledge, unless before the Contract is made particulars of any such commission and of the terms and conditions of any agreement for the payment there of have been disclosed in writing to the Procuring Entity. 15.7.2 Any breach of this Condition by the Contractor or by anyone employed by him or acting on his behalf (whether with or without the knowledge of the Contractor) shall be an offence under the provisions of the Public Procurement and Asset Disposal Act (2015) and the Anti-Corruption and Economic Crimes Act (2003) of the Laws of Kenya.		-
	<u>16. SUSPENSION AND TERMINATION BY CONTRACTOR</u>		
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Item No			*Amount Kshs*
	Brought Forward	Ksh	
	16.1 Contractor's Entitlement to Suspend Work		
A	16.1.1 If the Architect fails to certify in accordance with Sub-Clause 14.6 [Issue of Interim Payment Certificates] or Sub-Clause 14.7 [Payment],or not receiving instructions that would enable the contractor to proceed with the works in accordance with the program, the Contractor may, after giving not less than 30 days' notice to the Procuring Entity, suspend work (or reduce the rate of work) unless and until the Contractor has received the Payment Certificate, reasonable evidence or payment, as the case may bea nd as described in the notice.		
	16.1.2 The Contractor's action shall not prejudice his entitlements to financing charges under Sub-Clause 14.8 [Delayed Payment] and to termination under Sub-Clause 16.2 [Terminationby Contractor].		
	16.1.3 If the Contractor subsequently receives such Payment Certificate, evidence or payment (as described in the relevant Sub-Clause and in the above notice) before giving a notice of termination, the Contractor shall resume normal working as soon as is reasonably practicable.		
	16.1.4 If the Contractor suffers delay and/ori ncurs Cost as a result of suspending work (or reducing the rate of work) in accordance with this Sub-Clause, the Contractor shall give notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:		
	a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and b) payment of any such Cost-plus profit, which shall be included in the Contract Price.		
	16.2 After receiving this notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.		-
	Carried Forward	Ksh	

Item No			*Amount Kshs*
	Brought Forward	Ksh	
	16.3 Termination by Contractor		
A	16.3.1 The Contractor shall be entitled to terminate the Contract if: a) the Architect fails, within 60 days after receiving a Statement and supporting documents, to issue the relevant Payment Certificate, b) the Contractor does not receive the amount due under an Interim Payment Certificate within 90 days after the expiry of the time stated in Sub-Clause1 4.7 [Payment] within which payment is to be made (except for deductions in accordance with Sub-Clause 2.5 [Procuring Entity's Claims]), c) the Procuring Entity substantially fails to perform his obligations under the Contract in such manner as to materially and adversely affect the economic balance of the Contract and/or the ability of the Contractor to perform the Contract, d) a prolonged suspension affects the whole of the Works as described in Sub-Clause 8.11 [Prolonged Suspension], or e) the Procuring Entity becomes bankrupt or insolvent, goes into liquidation, has a receiving or administration order made against him, compounds with his creditors, or carries on business under a receiver, trustee or manager for the benefit of his creditors, or if any act is done or event occurs which (under applicable Laws) has a similar effect to any of these acts or events. f) the Contractor does not receive the Architect instruction recording the agreement of both Parties on the fulfilment of the conditions for the Commencement of Works under Sub-Clause 8.1 [Commencement of Works].		
	16.3.2 In any of these events or circumstances, the Contractor may, upon giving 14 days' notice to the Procuring Entity, terminate the Contract. However, in the case of sub-paragraph (f) or (g), the Contractor may by notice terminate the Contract immediately.		
	16.3.3 The Contractor's election to terminate the Contract shall not prejudice any other rights of the Contractor, under the Contractor otherwise.		-
	Carried Forward	Ksh	

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	16.4 Cessation of Work and Removal of Contractor's Equipment		
A	After a notice of termination under Sub-Clause 15.5 [Procuring Entity's Entitlement to Termination for Convenience], Sub-Clause 16.2 [Termination by Contractor] or Sub-Clause 19.6 [Optional Termination, Payment and Release] has taken effect, the Contractor shall promptly: a) cease all further work, except for such work as may have been instructed by the Architect for the protection of life or property or for the safety of the Works, b) hand over Contractor's Documents, Plant, Materials and other work, for which the Contractor has received payment, and c) remove all other Goods from the Site, except as necessary for safety, and leave the Site.		-
	16.5 PaymentonTermination		
B	After a notice of termination under Sub-Clause 16.2 [Termination by Contractor] has taken effect, the Procuring Entity shall promptly: a) Return the Performance Security to the Contractor, b) pay the Contractor in accordance with Sub-Clause 19.6 [Optional Termination, Payment and Release], and c) pay to the Contractor the amount of any loss or damage sustained by the Contractor as a result of this termination.		-
	17. RISK AND RESPONSIBILITY		
	Carried Forward Ksh		

Section No. 7
Bill No. 1
GENERAL CONDITIONS OF CONTRACT

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	17.1 Indemnities			
A	17.1.1 The Contractor shall indemnify and hold harmless the Procuring Entity, the Procuring Entity's Personnel, and their respective agents, against and from all claims, damages, losses and expenses (including legal fees and expenses) in respect of: a) Bodily injury, sickness, disease or death, of any person what so ever arising outo for in the course of or by reason of the Contractor's design (if any), the execution and completion of the Works and the remedying of any defects, unless attributable to any negligence, willful actor breach of the Contract by the Procuring Entity, the Procuring Entity's Personnel, or any of their respective agents, and b) damage to or loss of any property, real or personal (other than the Works), to the extent that such damage or loss arises out of or in the course of or by reason of the Contractor's design (if any), the execution and completion of the Works and the remedying of any defects, unless and to the extent that any such damage or loss is attributable to any negligence, willful act or breach of the Contract by the Procuring Entity, the Procuring Entity's Personnel, their respective agents, or anyone directly or indirectly employed by any of them.			
	17.1.2 The Procuring Entity shall indemnify and hold harmless the Contractor, the Contractor's Personnel, and their respective agents, against and from all claims, damages, losses and expenses (including legal fees and expenses) in respect of (1) bodily injury, sickness, disease or death, which is attributable to any negligence, willful act or breach of the Contract by the Procuring Entity, the Procuring Entity's Personnel, or any of their respective agents, and (2) the matters for which liability may be excluded from insurance cover, as described in sub-paragraphs (d)(i), (ii) and (iii) of Sub-Clause 18.3 [Insurance Against Injury to Persons and Damage to Property], unless and to the extent that any such damage or loss is attributable to any negligence, willful actor breach of the Contract by the contractor, the contractor's Personnel, their respective agents, or anyone directly or indirectly employed by any of them.			-
	Carried Forward	Ksh		

Item No		*Amount Kshs*	
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	17.2 Contractor's Care of the Works		
A	17.2.1 The Contractor shall take full responsibility for the care of the Works and Goods from the Commencement Date until the Taking-Over Certificate is issued (or is deemed to be issued under Sub-Clause 10.1 [Taking Over of the Works and Sections]) for the Works, when responsibility for the care of the Works shall pass to the Procuring Entity. If a Taking-Over Certificate is issued (or is so deemed to be issued) for any Section or part of the Works, responsibility for the care of the Section or part shall then pass to the Procuring Entity.		
	17.2.2 After responsibility has accordingly passed to the Procuring Entity, the Contractor shall take responsibility for the care of any work which is outstanding on the date stated in a Taking-Over Certificate, until this outstanding work has been completed.		
	17.2.3 If any loss or damage happens to the Works, Goods or Contractor's Documents during the period when the Contractorisresponsiblefor their care, from any cause not listed in Sub-Clause 17.3 [Procuring Entity's Risks], the Contractor shall rectify the loss or damage at the Contractor's risk and cost, so that the Works, Goods and Contractor's Documents conform with the Contract.		
	17.2.4 The Contractor shall be liable for any loss or damage caused by any actions performed by the Contractor after a Taking-Over Certificate has been issued. The Contractor shall also be liable for any loss or damage which occurs after a Taking-Over Certificate has been issued and which arose from a previous event for which the Contractor was liable.		-
	Carried Forward Ksh		

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	17.3 Procuring Entity's Risks		
A	The risks referred to in Sub-Clause 17.4 [Consequences of Procuring Entity's Risks] below, in so far as they directly affect the execution of the Works in Kenya, are: a) War hostilities (whether war be declared or not), b) rebellion, riot, commotion or disorder, terrorism, sabotage by persons other than the Contractor's Personnel, c) explosive materials, ionizing gradiation or contamination by radio-activity, except as may be attributable to the Contractor's use of such explosives, radiation or radio-activity, d) pressure waves caused by aircraft or other aerial devices traveling at sonic or supersonic speeds, e) use or occupation by the Procuring Entity of any part of the Permanent Works, except as may be specified in the Contract, f) design of any part of the Works by the Procuring Entity's Personnel or by others for whom the Procuring Entity is responsible, and g) any operation of the forces of nature which is Unforeseeable or against which an experienced contractor could not reasonably have been expected to have taken adequate preventive precautions.		-
	Carried Forward Ksh		

Item No		*Amount Kshs*	
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	17.4 Consequences of Procuring Entity's Risks		
A	17.4.1 If and to the extent that any of the risks listed in Sub-Clause 17.3 above results in loss or damage to the Works, Goods or Contractor's Documents, the Contractor shall promptly give notice to the Architect and shall rectify this loss or damage to the extent required by the Engineer.		
	17.4.2 If the Contractor suffers delay and/ or incurs Cost from rectifying this loss or damage, the Contractor shall give a further notice to the Architect and shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to:		
	(a) An extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of TimeforCompletion], and (b) paymentofany such Cost, which shall be included in the Contract Price. In the case of sub-paragraphs (e)and (g) of Sub-Clause 17.3 [Procuring Entity's Risks], Accrued Costs shall be payable.		
	17.4.3 After receiving this further notice, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.		-
	17.5 Intellectual and Industrial Property Rights		
B	17.5.1 In this Sub-Clause, "infringement" shall refer to an infringement (or alleged infringement) of any patent, registered design, copyright, trade mark, trade name, trade secret or other intellectual or industrial property right relating to the Works; and "claim" shall refer to a claim (or proceedings pursuing a claim) alleging an infringement.		
	17.5.2 Whenever a Party does not give notice to the other Party of any claim within 30 days of receiving the claim, the first Party shall be deemed to have waived any right to indemnity under this Sub-Clause.		
	17.5.3 The Procuring Entity shall indemnify and hold the Contractor harmless against and from any claim alleging an infringement which is or was: a) An un avoidable result of the Contractor's compliance with the Contract, or b) A result of any Works be ingused by the Procuring Entity:		
	Carried Forward Ksh		

Item No			*Amount Kshs*
	Brought Forward	Ksh	
	i) for a purpose other than that indicated by, or reasonably to be inferred from, the Contract, or ii) in conjunction with anything not supplied by the Contractor, unless such use was disclosed to the Contractor prior to the Base Date or is stated in the Contract.		
	17.5.4 The Contractor shall indemnify and hold the Procuring Entity harmless again stand from any other claim which arises out of or in relation to (i) the manufacture, use, sale or import of any Goods, or (ii) any design for which the Contractor is responsible.		
	17.5.5 IfaPartyisentitledtobeindemnified under this Sub-Clause, the indemnifying Party may (at its cost) conduct negotiations for the settlement of the claim, and any litigation or arbitration which may arise from it. The other Party shall, at the request and cost of the indemnifying Party, assist in contesting the claim. This other Party (and its Personnel) shall not make any admission which might be prejudicial to the indemnifying Party, unless the indemnifying Party failed to take over the conduct of any negotiations, litigation or arbitration upon being requested to do so by such other Party.		
	17.5.6 For operation and maintenance of any plan to requipment installed, the contractor shall grant a non-exclusive and non-transferable license to the Procuring Entity under the patent, utility models ,or other intellectual rights owned by the contractor or a third party from whom the contract or has received the rights to grant sub-licenses and shall also grant to the Procuring Entity a non-exclusive and non-transferable rights (without the rights to sub-license) to use the know how and other technical information disclosed to the contract or under the contract. Nothing contained here-in shall be construed as transferring ownership of any patent, utility model, trademark, design, copy right, know-how or other intellectual rights from the contractor or any other third party to the Procuring Entity.		-
	Carried Forward	Ksh	

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	17.6 Limitation of Liability			
A	17.6.1 Neither Party shall be liable to the other Party for loss of use of anyW orks, loss of profit, loss of any contractor for any in director consequential loss or damage which may be suffered by the other Party in connection with the Contract, other than as specifically provided in Sub-Clause 8.7 [Delay Damages]; Sub-Clause 11.2 [Cost of Remedying Defects]; Sub-Clause 15.4 [Payment after Termination]; Sub-Clause 16.4 [Payment on Termination]; Sub-Clause 17.1 [Indemnities]; Sub-Clause 17.4(b) [Consequences of Procuring Entity's Risks] and Sub-Clause 17.5 [Intellectual and Industrial Property Rights].			
	17.6.2 The total liability of the Contractor to the Procuring Entity, under or in connection with the Contract other than under Sub-Clause 4.19 [Electricity, Water and Gas], Sub-Clause 4.20 [Procuring Entity's Equipment and Free- Issue Materials], Sub-Clause 17.1 [Indemnities] and Sub-Clause 17.5 [Intellectual and Industrial Property Rights], shall not exceed the sum resulting from the application of a multiplier (less or greater than one) to the Accepted Contract Amount, as stated in **the Special Conditions of Contract**, or (if such multiplier or other sum is not so stated) the Accepted Contract Amount.			-
	17.6.3 This Sub-Clause shall not limit liability in any case of fraud, deliberate default or reckless misconduct by the defaulting Party.			
	Carried Forward	Ksh		

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	17.7 Use of Procuring Entity's Accommodation/Facilities		
A	17.7.1 The Contractor shall take full responsibility for the care of the Procuring Entity provided accommodation and facilities, if any, as detailed in the Specification, from the respective dates of hand-over to the Contractor until cessation of occupation (where hand-over or cessation of occupation may take place after the date stated in the Taking-Over Certificate for the Works).		
	17.7.2 If any loss or damage happens to any of the above items while the Contractor is responsible for their care arising from any cause whatsoever other than those for which the Procuring Entity is liable, the Contractor shall, at his own cost, rectify the loss or damage to the satisfaction of the Engineer.		-
	18. INSURANCE		
	18.1 General Requirements for Insurances		
B	18.1.1 In this Clause, "insuring Party" means, for each type of insurance, the Party responsible for effecting and maintaining the insurance specified in the relevant Sub-Clause.		
	18.1.2 Wherever the Contractor is the insuring Party, each insurance shall be effected with insurers and in terms approved by the Procuring Entity. These terms shall be consistent with any terms agreed by both Parties before the date of the Letter of Acceptance. This agreement of terms shall take precedence over the provisions of this Clause.		
	18.1.3 Wherever the Procuring Entity is the insuring Party, each insurance shall be effected with insurers and in terms acceptable to the Contractor. These terms shall be consistent with any terms agreed by both Parties before the date of the Letter of Acceptance. This agreement of terms shall take precedence over the provisions of this Clause.		
	18.1.4 If a policy is required to indemnify joint insured, the cover shall apply separately to each insured as though a separate policy had been issued for each of the joint		
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	insured. If a policy indemnifies additional joint insured, namely in addition to the insured specified in this Clause, (i) the Contractor shall act under the policy on behalf of these additional joint insured except that the Procuring Entity shall act for Procuring Entity's Personnel, (ii) additional joint insured shall not be entitled to receive payments directly from the insurer or to have any other direct dealings with the insurer, and (iii) the insuring Party shall require all additional joint insured to comply with the conditions stipulated in the policy.	
	18.1.5 Each policy insuring against loss or damage shall provide for payments to be made in the currencies required to rectify the loss or damage. Payments received from insurers shall be used for the rectification of the loss or damage.	
	18.1.6 The relevant insuring Party shall, within the respective periods stated in **the Special Conditions of Contract** (calculated from the Commencement Date), submit to the other Party:	
	a) Evidence that the insurances described in this Clause have been affected, and b) copies of the policies for the insurances described in Sub-Clause 18.2 [Insurance for Works and Contractor's Equipment] and Sub-Clause 18.3 [Insurance against Injury to Persons and Damage to Property].	
	18.1.7 When each premium is paid, the insuring Party shall submit evidence of payment to the other Party. Whenever evidence or policies are submitted, the insuring Party shall also give notice to the Engineer.	
	18.1.8 Each Party shall comply with the conditions stipulated in each of the insurance policies. The insuring Party shall keep the insurers informed of any relevant changes to the execution of the Works and ensure that insurance is maintained in accordance with this Clause.	
	18.1.9 Neither Party shall make any material alteration to the terms of any insurance without the prior approval of the other Party. If an insurer makes (or at tempts to make) any alteration, the Party first notified by the insurer shall promptly give notice to the other Party.	
	18.1.10 If the insuring Party fails to effect and keep in force any of the insurances it is required to effect and maintain under the Contractor fails to provide satisfactory evidence and copies of policies in accordance with this Sub- Clause, the other Party may (at its option and without prejudice to any other right or remedy) effect insurance for the relevant coverage and pay the premiums due. The insuring Party shall pay the amount of these premiums to the other Party, and the Contract	
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	Price shall be adjusted accordingly.		
	18.1.11 Nothing in this Clause limits the obligations, liabilities or responsibilities of the Contractor or the Procuring Entity, under the other terms of the Contractor otherwise. Any amounts not insured or not recovered from the insurers shall be borne by the Contractor and/or the Procuring Entity.		
	18.1.12 Procuring Entity in accordance with these obligations, liabilitieso r responsibilities. However, if the insuring Party fails to effect and keep in force an insurance which is available and which it is required to effect and maintain under the Contract, and the other Party neither approves the omission nor effects insurance for the coverage relevant to this default, any moneys which should have been recoverable under this insurance shall be paid by the insuring Party.		
	18.1.13 Payments by one Party to the other Party shall be subject to Sub-Clause 2.5 [Procuring Entity's Claims] or Sub- Clause 20.1 [Contractor's Claims], as applicable.		
	18.1.14 The Contractor shall be entitled to place all insurance relating to the Contract (including, but not limited to the insurance referred to Clause 18) with insurers from any eligible source country.		-
	18.2 Insurance for Works and Contractor's Equipment		
A	18.2.1 The insuring Party shall insure the Works, Plant, Material sand Contractor's Documents for not less than the full reinstatement cost including the costs of demolition, removal of debris and professional fees and profit. This insurance shall be effective from the date by which the evidence is to be submitted under sub-paragraph (a) of Sub-Clause 18.1 [General Requirements for Insurances], until the date of issue of the Taking-Over Certificate for the Works.		
	18.2.2 The insuring Party shall maintain this insurance to provide cover until the date of issue of the Performance Certificate, for loss or damage for which the Contractor is liable arising from a cause occurring prior to the issue of the Taking-Over Certificate, and for loss or damage caused by the Contractor in the course of any other operations (including those under Clause 11 [Defects Liability]).		
	18.2.3 The insuring Party shall insure the Contractor's Equipment for not less than the full replacement value, including delivery to Site. For each item of Contractor's		
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	Equipment, the insurance shall be effective while it is being transported to the Site and until it is no longer required as Contractor's Equipment.	
	18.2.4 Unless otherwise stated in the Special Conditions, insurances under this Sub-Clause: a) Shal lbe effected and maintained by the Contractor as insuring Party, b) shall be in the joint names of the Parties, who shall be jointly entitled to receive payments from the insurers, payments being held or allocated to the Party actually bearing the costs of rectifying the loss or damage, c) shall cover all loss and damage from any cause not listed in Sub-Clause 17.3 [Procuring Entity's Risks], d) shall also cover, to the extent specifically required in the tendering documents of the Contract, loss or damage to a part of the Works which is attributable to the use or occupation by the Procuring Entity of another part of the Works, and loss or damage from the risks listed in sub-paragraphs (c), (g) and (h)of Sub-Clause 17.3 [Procuring Entity's Risks], excluding (in each case) risks which are not insurable at commercially reasonable terms, with deductibles per occurrence of not more than the amount stated **in the Special Conditions** of Contract (if an amount is not so stated,t his sub-paragraph (d) shall not apply), and e) may however exclude loss of, damage to, and reinstatement of: i) a part of the Works which is in a defective condition due to a defect in its design, materials or workmanship (but cover shall include any other parts which are lost or damaged as a direct result of this defective condition and not as described in sub-paragraph (ii) below), ii) apart of the Works which is lost or damaged inorder to reinstate any other part of the Works if this other part is in a defective condition due to a defect in its design, materials or workmanship, iii) apart of the Works which has been taken over by the Procuring Entity, except to the extent that the Contractor is liable for the loss or damage, and iv) Goods while they are not in Kenya, subject to Sub-Clause 14.5 [Plant and Materials intended for the Works].	
	18.2.5 If, more than one year after the Base Date, the cover described in sub-paragraph (d) above ceases to be available at commercially reasonable terms, the Contractor shall (as insuring Party) give notice to the Procuring Entity, with supporting particulars. The Procuring Entity shall then (i) be entitled subject to Sub-Clause 2.5 [Procuring Entity's Claims] to payment of an amount equivalent to such commercially reasonable terms asthe Contractor should have expected to have	
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	paid for such cover, and (ii) be deemed, unless he obtains the cover at commercially reasonable terms, to have approved the omission under Sub-Clause 18.1 [General Requirements for Insurances].		-
	18.3 Insurance against Injury to Persons and Damage to Property		
A	18.3.1 The insuring Party shall insure against each Party's liability for any loss, damage, death or bodily injury which may occur to any physical property (except things insured under Sub-Clause 18.2 [Insurance for Works and Contractor's Equipment]) or to any person (except persons insured under Sub-Clause 18.4 [Insurance for Contractor's Personnel]), which may arise out of the Contractor's performance of the Contract and occurring before the issue of the Performance Certificate.		
	18.3.2 This insurance shall be for a limit per occurrence of not less than the amount stated in **the Special Conditions of Contract**, with no limit on the number of occurrences. If an amount is not stated in the **Special Conditions of Contract**, this Sub-Clause shall not apply.		
	18.3.3 Unless otherwise stated in the Special Conditions, the insurances specified in this Sub-Clause: a) Shall be effected and maintained by the Contractor as insuring Party, b) shall be in the joint names of the Parties, c) shall be extended to cover liability for all loss and damage to the Procuring Entity's property (except things insured under Sub-Clause 18.2) arising out of the Contractor's performance of the Contract, and d) may however exclude liability to the extent that it arises from: i) the Procuring Entity's right to have the Permanent Works executed on, over, under, in or ii) through any land, and to occupy this land for the Permanent Works, iii) damage which is an unavoidable result of the Contractor's obligations to execute the iv) Works and remedy any defects, and v) a cause listed in Sub-Clause 17.3 [Procuring Entity's Risks], except to the extent that cover is available at commercially reasonable terms.		-
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	18.4 Insurance for Contractor's Personnel	
A	18.4.1 The Contractor shall effect and maintain insurance against liability for claims, damages, losses and expenses (including legal fees and expenses) arising from injury, sickness, disease or death of any person employed by the Contractor or any other of the Contractor's Personnel.	
	18.4.2 The insurance shall cover the Procuring Entity and the Architect against liability for claims, damages, losses and expenses (including legal fees and expenses) arising from injury, sickness, disease or death of any person employed by the Contractoror any othe rof the Contractor's Personnel, except that this insurance may exclude losses and claims to the extent that they arise from any act or neglect of the Procuring Entity or of the Procuring Entity's Personnel.	
	18.4.3 The insurance shall be maintained in full force and effect during the whole time that these personnel are assisting in the execution of the Works. For a Subcontractor's employees, the insurance may be effected by the Subcontractor, but the Contractor shall be responsible for compliance with this Clause.	-
	19. FORCE MAJEURE	
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	19.1 Definition of Force Majeure		
A	19.1.1 In this Clause, "Force Majeure" means an exceptional event or circumstance: a) Which is beyond a Party's control, b) Which such Party could not reasonably have provided against before entering into the Contract, c) which, having arisen, such Party could not reasonably have avoided or over come, and d) which is not substantially attributable to the other Party. 19.1.2 Force Majeure may include, but is not limited to, exceptional events or circumstances of the kind listed below, s olong as conditions (a) to (d) above are satisfied: e) war, hostilities (whether war be declared or not), invasion, act of foreign enemies, f) rebellion, terrorism, sabotage by persons other than the Contractor's Personnel, revolution, insurrection, military or usurped power, or civil war, g) riot, commotion, disorder, strike or lock out by persons other than the Contractor's Personnel, h) munitions of war, explosive materials, ionizing radiation or contamination by radio-activity, except as maybeattributabletotheContractor'suseofsuchmunitions, explosives, radiation or radio-activity, and i) natural catastrophes such as earthquake, hurricane, typhoon or volcanic activity.		-
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	19.2 Notice of Force Majeure			
A	19.2.1 If a Party is or will be prevented from performing its substantial obligations under the Contract by Force Majeure, then it shall give notice to the other Party of the event or circumstances constituting the Force Majeure and shall specify the obligations, the performance of which is or will be prevented. The notice shall be given within 14 days after the Party became aware, or should have become aware, of the relevant event or circumstance constituting Force Majeure. 19.2.2 The Party shall, having given notice, be excused performance of its obligations for so long as such Force Majeure prevents it from performing them. 19.2.3 Not withstanding any other provision of this Clause, Force Majeure shall not apply to obligations of either Party to make payments to the other Party under the Contract.			-
	19.3 Duty to Minimize Delay			
B	Each Party shall at all times use all reasonable endeavors to minimize any delay in the performance of the Contract as a result of Force Majeure. A Party shall give notice to the other Party when it ceases to be affected by the Force Majeure.			-
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	19.4 Consequences of Force Majeure			
A	19.4.1 If the Contractor is prevented from performing his substantial obligations under the Contract by Force Majeure of which notice has been given under Sub-Clause 19.2 [Notice of Force Majeure], and suffers delay and/ or incurs Cost by reason of such Force Majeure, the Contractor shall be entitled subject to Sub-Clause 20.1 [Contractor's Claims] to: a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 [Extension of Time for Completion], and b) if the event or circumstance is of the kind described in sub-paragraphs (i) to (iv) of Sub-Clause 19.1 [Definition of Force Majeure] and, in sub-paragraphs (ii) to (iv), occurs in Kenya, payment of any such Cost, including the costs of rectifying or replacing the Works and/or Goods damaged or destroyed by Force Majeure, to the extent they are not indemnified through the insurance policy referred to in Sub- Clause18.2 [Insurance for Works and Contractor's Equipment]. 19.4.2 After receiving this notice, the Architect shall proceed in a ccordance with Sub-Clause 3.5 [Determinations] to agree or determine these matters.			-
	19.5 Force Majeure Affecting Subcontractor			
B	If any Subcontractor is entitled under any contract or agreement relating to the Works to relief from force majeure on terms additional to or broader than those specified in this Clause, such additional or broader force majeure events or circumstances shall not excuse the Contractor's non-performance or entitle him to relief under this Clause.			-
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	19.6 Optional Termination, Payment and Release		
A	19.6.1 If the execution of substantially all the Works in progress is prevented for a continuous period of 84 days by reason of Force Majeure of which notice has been given under Sub-Clause 19.2 [Notice of Force Majeure], or for multiple periods which total more than 140 days due to the same notified Force Majeure, then either Party may give to the other Party a notice of termination of the Contract. In this event, the termination shall take effect 7 days after the notice is given, and the Contractor shall proceed in accordance with Sub-Clause 16.3 [Cessation of Work and Removal of Contractor's Equipment].		
	19.6.2 Upon such termination, the Architect shall determine the value of the work done and issue a Payment Certificate which shall include: a) theamountspayableforanyworkcarriedoutforwhichapriceisstatedintheContract; b) the Cost of Plant and Materials ordered for the Works which have been delivered to the Contractor, or of which the Contractor is liable to accept delivery: this Plant and Materials shall become the property of (and be at the risk of) the Procuring Entity when paid for by the Procuring Entity, and the Contractor shall place the same at the Procuring Entity'sdisposal; c) other Cost or liabilities which in the circumstances were reasonably and necessarily incurred by the Contractor in the expectation of completing the Works; d) the Cost of removal of Temporary Works and Contractor's Equipment from the Site and the return of these items to the Contractor's works in his country (or to any other destination at no greater cost); and e) the Cost of repatriation of the Contractor's staff and lab or employed wholly in connection with the Works at the date of termination.		-
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	19.7 Release from Performance	
A	Not withstanding any other provision of this Clause, if any event or circumstance outside the control of the Parties (including, but not limited to, Force Majeure) arises which makes it impossible or unlawful for either or both Parties to fulfil its or their contractual obligations or which, under the law governing the Contract, entitles the Parties to be released from further performance of the Contract, then upon notice by either Party to the other Partyofsucheventorcircumstance: a) The Parties shall be discharged from further performance, without prejudice to the rights of either Party in respect of any previous breach of the Contract, and b) The sum payable by the Procuring Entity to the Contractor shall be the same as would have been payable under Sub-Clause 19.6 [Optional Termination, Payment and Release] if the Contract had been terminated under Sub-Clause 19.6.	-
	20. SETTLEMENT OF CLAIMS AND DISPUTES	
	20.1 Contractor's Claims	
B	20.1.1 If the Contractor considers itself to be entitled to any extension of the Time for Completion and/or any additional payment, under any Clause of these Conditions or otherwise in connection with the Contract, the Contractor shall give Notice to the Engineer, describing the event or circumstance giving rise to the claim. The notice shall be given as soon as practicable, and not later than 30 days after the Contractor became aware, or should have become aware, of the event or circumstance.	
	20.1.2 If the Contractor fails to give notice of a claim within such period of 30 days, the Time for Completion shall not be extended, the Contractor shall not be entitled to additional payment, and the Procuring Entity shall be discharged from all liability in connection with the claim. Otherwise, the following provisions of this Sub-Clause shall apply.	
	20.1.3 The Contractor shall also submit any other notices which are required by the	
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	Contract, and supporting particulars for the claim, all as relevant to such event or circumstance.	
	20.1.4 TheContractorshallkeepsuch contemporary records as may be necessary to substantiate any claim, either on the Site or at an other location acceptable to the Engineer. Without admitting the Procuring Entity's liability, the Architect may, after receiving any notice under this Sub-Clause, monitor the record-keeping and/ or instruct the Contractor to keep further contemporary records. The Contractor shall permit the Architect to inspect all these records and shall (if instructed) submit copies to the Engineer.	
	20.1.5 Within 42days after the Contractor became aware (or should have become aware) of the event or circumstance giving rise to the claim, or within such other period as may be proposed by the Contractor and approved by the Engineer, the Contractor shall send to the Architect fully detailed claim which includes full supporting particulars of the basis of the claim and of the extension of time and/ or additional payment claimed. If the event or circumstance giving rise to the claim has a continuing effect: a) This fully detailed claim shall be considered as interim; b) The Contractor shall send further interim claims at monthly intervals, giving the accumulated delay and/ or amount claimed, and such further particulars as the Architect may reasonably require; and c) The Contractor shall send a final claim within 30 days after the end of the effects resulting from the eventor circumstance, or within such other period as may be proposed by the Contractor and approved by the Engineer.	
	20.1.6 Within 42 days after receiving a Notice of a claim or any further particulars supporting a previous claim, or within such other period as may be proposed by the Architect and approved by the Contractor, the Architect shall respond with approval, or with disapproval and detailed comments. He may also request any necessary further particulars but shall nevertheless give his response on the principles of the claim within the above defined time period.	
	20.1.7 Within the above defined period of 42 days, the Architect shall proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine (i) the extension (if any) of the Time for Completion (before or after its expiry) in accordance with Sub-Clause 8.4 [Extension of Time for Completion], and/or (ii) the additional payment (if any) to which the Contractor is entitled under the Contract.	
	20.1.8 Each Payment Certificate shall include such additional payment for any claim as	
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	has been reasonably substantiated as due under the relevant provision of the Contract.Unless and until the particulars supplied are sufficient to substantiate the whole of the claim, the Contractor shall only be entitled to payment for such part of the claim as he has been able to substantiate.		
	20.1.9 If the Architect does not respond within the time frame defined in this Clause, either Party may consider that the claim is rejected by the Architect and any of the Parties may refer the dispute for amicable settlement in accordance with Clause 20.3.		
	20.1.10 The requirements of this Sub-Clause are in addition to those of any other Sub-Clause which may apply to a claim. If the Contractor fails to comply with this or another Sub-Clause in relation to any claim, any extension of time and/ or additional payment shall take account of the extent (if any) to which the failure has prevented or prejudiced proper investigation of the claim, unless the claim is excluded under the second paragraph of this Sub-Clause 20.3.		-
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	20.2 Procuring Entity's Claims		
A	20.2.1 If the Procuring Entity considers itself to be entitled to any payment under any Clause of these Conditionsor otherwise in connection with the Contract, and/or to any extension of the Defects Notification Period, the Procuring Entity or the Architect shall give notice and particulars to the Contractor. However, notice is not required for payments due under Sub-Clause 4.19 [Electricity, Water and Gas], under Sub-Clause 4.20 [Procuring Entity's Equipment and Free-Issue Materials], or for other services requested by the Contractor.		
	20.2.2 The notice shall be given as soon as practicable and no longer than 30 days afte rthe Procuring Entity became aware, or should have become aware, of the event or circumstances giving rise to the claim. A notice relating to any extension of the Defects Notification Period shall be given before the expiry of such period.		
	20.2.3 The particulars shall specify the Clause or other basis of the claim and shall include substantiation of the amount and/or extension to which the Procuring Entity considers itself to be entitled in connection with the Contract. The Architect shall then proceed in accordance with Sub-Clause 3.5 [Determinations] to agree or determine (i) the amount (if any) which the Procuring Entity is entitled to be paid by the Contractor, and/ or (ii) the extension (if any) of the Defects Notification Period in accordance with Sub-Clause 11.3 [Extension of Defects Notification Period].		
	20.2.4 This amount may be included as a deduction in the Contract Price and Payment Certificates. The Procuring Entity shall only be entitled to set off against or make any deduction from an amount certified in a Payment Certificate, or to otherwise claim against the Contractor, in accordance with this Sub-Clause.		-
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	20.3 Amicable Settlement		
A	Where a notice of a claim has been given, both Parties shall attempt to settle the dispute amicably before the commencement of arbitration. However, unless both Parties agree otherwise, the Party giving a notice of a claim in accordance with Sub-Clause 20.1 above should move to commence arbitrationa fter 60 days from the day on which a notice of a claim was given, even if no attempt at an amicable settlement has been made.		-
	20.4 Matters that may be referred to arbitration		
B	Notwithstanding anything stated herein the following matters may be referred to arbitration before the practical completion of the Works or abandonment of the Works or termination of the Contract by either party: a) Whether or not the issue of an instruction by the Architect is empowered by these Conditions. b) Whether or not a certificate has been improperly withheld or is not in accordance with these Conditions. c) Any dispute arising in respect risks arising from matters referred to in Clause 17.3 and Clause 19. e) All other matters shall only be referred to arbitration after the completion or alleged completion of the Works or termination or alleged termination of the Contract, unless the Procuring Entity and the Contractor agree otherwise in writing.		-
	20.5 Arbitration		
C	20.5.1 Any claim or dispute between the Parties arising out of or in connection with the Contract not settled amicably in accordance with Sub-Clause 20.3 shall be finally settled by arbitration. 20.5.2 No arbitration proceedings shall be commenced on any claim or dispute where notice of a claim or dispute has not been given by the applying party within ninety days of the occurrence or discovery of the matter or issue giving rise to the		
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	dispute.	
	20.5.3 Not withstanding the issue of a notice as stated above, the arbitration of such a claim or dispute shall not commence unless an attempt has in the first instance been made by the parties to settle such claim or dispute amicably with or without the assistance of third parties. Proof of such attempt shall be required.	
	20.5.4 The Arbitrator shall, without prejudice to the generality of his powers, have powers to direct such measurements, computations, tests or valuations as may in his opinion be desirable in order to determine the rights of the parties and assess and a ward any sums which ought to have been the subject of or included in any certificate.	
	20.5.5 The Arbitrator shall, without prejudice to the generality of his powers, have powers to open up, review and revise any certificate, opinion, decision, requirement or notice and to determine all matters in dispute which shall be submitted to him in the same manner as if no such certificate, opinion, decision require mentor notice had been given.	
	20.5.6 The arbitrators shall have full power to open up, review and revise any certificate, determination, instruction, opinion or valuation of the Engineer, relevant to the dispute. Nothing shall disqualify representatives of the Parties and the Architect from being called as a witness and giving evidence before the arbitrators on any matter whatsoever relevant to the dispute.	
	20.5.7 Neither Party shall be limited in the proceedings before the arbitrators to the evidence, or to the reasons for dissatisfaction given in its Notice of Dissatisfaction.	
	20.5.8 Arbitration may be commenced prior to or after completion of the Works. The obligations of the Parties, and the Architect shall not be altered by reason of any arbitration being conducted during the progress of the Works.	
	20.5.7 Thetermsofthere muneration of each or all the members of Arbitration shall be mutually agreed upon by the Parties when agreeing the terms of appointment. Each Party shall be responsible for paying one-half of this remuneration.	-
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	20.5 *Arbitration with National Contractors*		
A	20.6.1 If the Contractis with national contractors, arbitration proceedings will be conducted in accordance with the Arbitration Laws ofKenya. In case of any claim or dispute, such claim or dispute shall be notified in writing by either party to the other with a request to submit it to arbitration and to concur in the appointment of an Arbitrator within thirty days of the notice. The dispute shall be referred to the arbitration and final decision of a person to be agreed between the parties. Failing agreement to concur in the appointment of an Arbitrator, the Arbitrator shall be appointed, on the request of the applying party, by the Chairman or Vice Chairman of any of the following professional institutions; i) Architectural Association of Kenya ii) Institute of Quantity Surveyors of Kenya iii) Association of Consulting Engineers of Kenya iv) Chartered Institute of Arbitrators (Kenya Branch) v) Institution of Engineers of Kenya		
	20.6.2 The institution written to first by the aggrieved party shall take precedence over all other institutions.		-
	20.6 *Arbitration with Foreign Contractors*		
B	20.6.1 Arbitration with foreign contractors shall be conducted in accordance with the arbitration rules of the United Nations Commission on International Trade Law (UNCITRAL); or with proceedings administered by the International Chamber of Commerce (ICC) and conducted under the ICC Rules of Arbitration; by one or more arbitrators appointed in accordance with said arbitration rules.		
	20.6.2 The place of arbitration shall be a location specified in the **SCC;** and the arbitration shall be conducted in the language for communications defined in Sub-Clause1.4 [Law and Language].		-
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	20.6 *Alternative Arbitration Proceedings*			
A	Alternatively, the Parties may refer the matter to the Nairobi Centre for International Arbitration (NCIA) which offers a neutral venue for the conduct of national and international arbitration with commitment to providing institutional support to the arbitral process.			-
	20.6 *Failure to Comply with Arbitrator's Decision*			
B	20.6.1 The award of such Arbitrator shall be final and binding up on the parties.			
	20.6.2 In the even that a Party fails to comply with a final and binding Arbitrator's decision, then the other Party may, without prejudice to any other rights it may have, refer the matter to a competent court of law.			-
	20.6 *Contract operations to continue*			
C	Notwithstanding any reference to arbitration herein,			
	1.1.1 the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and			
	1.1.2 the Procuring Entity shall pay the Contractor any monies due the Contractor.			-
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APPENDIX TO CONDITIONS OF CONTRACT

A

Special Conditions of Contract

The following Special Conditions shall supplement the GCC. Whenever there is a conflict, the provisions here in shall prevail over those in the GCC.

Conditions	**Sub-Clause**	**Data**
	Part A - Contract Data	
Procuring Entity's name and address	Heading	*Chuka University, P.O. BOX 109-60400,*
Name and Reference No. of the Contract	Heading and 1.1	*CU/OPNT/07/2021-2022*
Engineers Name and address	Heading and 3.1.1	*Baseline Architects Limited* *P.O Box 39928 - 00623* *Nairobi*
Contractor's Representative's name	4.3.1	…… *[insert the name of the Contractor's Rep* *agreed by the Procuring Entity prior to*
Key Personnel names	16.9.1	…….. *[insert the name of each Key Personnel* *Procuring Entity prior to Contract signat*
Time for Completion	1.1.	**260 Weeks from commencement date**
Defects Notification Period	1.1	**52 weeks from practical completion**
Sections	1.1	*N/A*
Electronic transmission systems	1.3	N/A
Time for the Parties entering into a Contract Agreement	1.6	Within 30days
Commencement Date	8.1.1	
Time for access to the Site	2.1.1	To be agreed during contract signing
Architect Duties and Authority	3.1.6 (b) (ii)	Any **Variations that increases** the contra require approval of the Procuring Entity.

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	Performance Security	4.2.1	The performance security will be in the ***performance bond*** in the amount(s) of the Accepted Contract Amount and in th currency(ies) of the Accepted Contract
	Normal working hours	6.5	Shall be from 0800 hours to 1700 hours
	Delay damages for the Works	8.7 & 14.15(b)	**Equivalent to running preliminaris of th**
	Maximum amount of delay damages	8.7.1	**1%** of the final Contract Price.
	Provisional Sums	13.6. (b)(ii)	*[If there are Provisional Sums, insert a pe adjustment of Provisional Sums]* _____%
	Adjustments for Changes in Cost	13.9	Period "n" applicable to the adjustment __NA
	Total advance payment	14.2.1	**Not Applicable**
	Repayment amortization rate of advance payment	14.2.5 (b)	**Not Applicable**
	Percentage of Retention	14.3.2 (c)	Ten (10) percent
	Limit of Retention Money	14.3.2 (c)	Five (5) of the Accepted Contract Amour
	Plant and Materials	14.5.3(b)(i)	**Not Applicable**
		14.5.3(c)(i)	Plant and Materials for payment when Site All materials for the works.
	Minimum Amount of Interim Payment Certificates	14.6.2	Five (5) million of the Accepted Contract
	Publishing source of commercial interest rates for financial charges in case of delayed payment	14.8	Central Bank of Kenya Mean Lending rat delayed payment. Period for honouring days from date of certification.
	Maximum total liability of the Contractor to the Procuring Entity	17.6.2	10 million
	Periods for submission of insurance: a. evidence of insurance. b. relevant policies	18.1.6	 ___30__days ___30__days
	Maximum amount of deductibles for insurance of the Procuring Entity's risks	18.2.4 (d)	1 million
	Carried Forward		Ksh

Section No. 8
Bill No. 1
APPENDIX TO CONDITIONS OF CONTRACT

Item No		*Amount Kshs*
	Brought Forward Ksh	

Minimum amount of third-party insurance	18.3.2	10 million
The place of arbitration	20.7.2	***N/A***
Arbitration	20.5.1	***Delete the clause and substitute thus*** dispute between the Parties arising connection with the Contract not settle accordance with Sub-Clause 20.3 sh settled by **Kenyan law court.**

-

Carried to Final Summary Ksh

Section No. 8
Bill No. 1
APPENDIX TO CONDITIONS OF CONTRACT

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*

CONTRACT FORMS

FORM No 1: NOTIFICATION OF INTENTION TO AWARD OF CONTRACT

This Notification of Award shall be sent to each Tenderer that submitted a Tender and was not successful. Send this Notification to the Tenderer's Authorized Representative named in the Tender Information Form on the format below.

FORMAT

1. For the attention of Tenderer's Authorized Representative

   i) Name: *[insert Authorized Representative's name]*

   ii) Address: *[insert Authorized Representative's Address]*

   iii) Telephone: *[insert Authorized Representative's telephone/fax numbers]*

   iv) Email Address: *[insert Authorized Representative's email address]*

   [IMPORTANT: insert the date that this Notification is transmitted to Tenderers. The Notification must be sent to all Tenderers simultaneously. This means on the same date and as close to the same time as possible.]

2. Date of transmission: [*email*] on [*date*] (local time)

   This Notification is sent by (*Name and designation*) _____

3. Notification of Award

   i) Procuring Entity: *[insert the name of the ProcuringEntity]*

   ii) Project: *[insert name ofproject]*

   iii) Contract title: *[insert the name of thecontract]*

   iv) ITT No: *[insert ITT reference number from ProcurementPlan]*

   This Notification of Intention to Award (Notification) notifies you of our decision to award the above contract. The transmission of this Notification begins the Standstill Period. During the Standstill Period, you may:

4. Request a debriefing in relation to the evaluation of your tender by submitting a Procurement-related Complaint in relation to the decision to award the

Carried Forward Ksh

Item No		*Amount Kshs*
	Brought Forward Ksh	

contracts.

a) The successful tenderers

i) Name of successful Tender_____

ii) Address of the successful Tender _____

iii) Contract price of the successful Tender Kenya Shillings _____

b) The reasons for your tender being unsuccessful are as follows:

c) OtherTenderers

Names of all Tenderers that submitted a Tender. If the Tender's price was evaluated include the evaluated price as well as the Tender price as read out.

SNo	Name of Tender	Tender Price as read out	Tender's evaluated price (Note a)	One Reason Why Not Evaluated
1				
2				
3				
4				
5				

(Note a) State NE if not evaluated

5. <u>How to request a debriefing</u>

a) DEADLINE: The dead line to request a debriefing expires at midnight on [*insert date*] (*local time*).

b) You may request a debriefing in relation to the results of the evaluation of your

	Carried Forward Ksh	

Item No		*Amount Kshs*
	Brought Forward Ksh	

Tender. If you decide to request a debriefing your written request must be made within three (5) Business Days of receipt of this Notification of Intention to Award.

c) Provide the contract name, reference number, name of the Tenderer, contact details; and address the request for debriefing as follows:
   i) Attention: [*insert full name of person, if applicable*]
   ii) Title/position: [*insert title/position*]
   iii) Agency: [*insert name of Procuring Entity*]
   iv) Email address: [*insert email address*]

d) If your request for a debriefing is received within the 3 Days deadline, we will provide the debriefing within five (3) Business Days of receip tof your request. If we are unable to provide the debriefing within this period, the Standstill Period shall be extended by five (3) Days after the date that the debriefing is provided. If this happens, we will notify you and confirm the date that the extended Standstill Period will end.

e) The debriefing may be in writing, by phone, video conference call or in person. We shall promptly advise you in writing how the debriefing will take place and confirm the date and time.

f) If the deadline to request a debriefing has expired, you may still request a debriefing. In this case, we will provide the debriefing as soon as practicable, and normally no later than fifteen (15) Days from the date of publication of the Contract Award Notice.

6. <u>How to make a complaint</u>

a) Period: Procurement-related Complaint challenging the decision to award shall be submitted by midnight, [*insert date*] (local time).

b) Provide the contract name, reference number, name of the Tenderer, contact details; and address the Procurement-related Complaint as follows:
   i) Attention: [*insert full name of person, if applicable*]
   ii) Title/position: [*insert title/ position*]
   iii) Agency: [*insert name of Procuring Entity*]
   iv) Email address: [*insert email address*]

	Carried Forward Ksh	

Item No		*Amount Kshs*
	Brought Forward Ksh	
	c) At this point in the procurement process, you may submit a Procurement-related Complaint challenging the decision to award the contract. You do not need to have requested, or received, a debriefing before making this complaint. Your complaint must be submitted within the Standstill Period and received by us before the Standstill Period ends.	
	d) Further information: For more information refer to the Public Procurement and Disposals Act 2015 and its Regulations a vailable from the Website www.ppra.go.ke.	
	You should read these documents before preparing and submitting your complaint.	
	e) There are four essential requirements: i) You must be an 'interested party'. In this case, that means a Tenderer who submitted a Tender in this tendering process and is the recipient of a Notification of Intention to Award. ii) The complaint can only challenge the decision to award the contract. iii) You must submit the complaint within the period stated above. iv) You must include, in your complaint, all of the information required to support your complaint.	
	7. Standstill Period	
	i) DEADLINE: The Standstill Period is due to end at midnight on [*insert date*] (local time). ii) The Standstill Period lasts ten (14) Days after the date of transmission of this Notification of Intention to Award. iii) The Standstill Period may be extended as stated in paragraph Section 5(d) above.	
	If you have any questions regarding this Notification please do not hesitate to contact us. On behalf of the Procuring Entity:	
	Signature:_____	
	Name:_____	
	Title/position:_____	
	Carried Forward Ksh	

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No			*Amount Kshs*
	Brought Forward	Ksh	
	elephone: _____		
	Carried Forward to Summary of Section No. 9	Ksh	

Section No. 9
Bill No. 1
NOTIFICATION OF AWARD
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*

CONTRACT FORMS

FORM NO. 2- REQUEST FOR REVIEW

FORM FOR REVIEW (r.203(1))

PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD

APPLICATION NO…….OF……..20……..

BETWEEN

…….……APPLICANT

AND

……RESPONDENT (Procuring Entity)

Request for review of the decision of the…… (Name of the Procuring Entity of ……dated the…day of ……20…….in the matter of Tender No……..…of ……..20….. for ..... (Tender description).

REQUEST FOR REVIEW

I/We……,the above named Applicant(s), of address: Physical address…….P. O. Box No……. Tel. No……..Email ……, hereby request the Public Procurement Administrative Review Board to review the whole/part of the above mentioned decision on the following grounds , namely:

1.

2.

By this memorandum, the Applicant requests the Board for an order/orders that:

1.

2.

SIGNED ……..(Applicant) Dated on…….day of ……/…20……

Carried Forward Ksh

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Amount Kshs*
	Brought Forward Ksh	
	FOR OFFICIAL USE ONLY Lodged with the Secretary Public Procurement Administrative Review Board on……day of ……..20……	
	SIGNED	
	Board Secretary	
	Carried Forward to Summary of Section No. 9 Ksh	
	Section No. 9 Bill No. 2 REQUEST FOR REVIEW *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*	

Item No		*Amount Kshs*

CONTRACT FORMS

FORM NO 3: LETTER OF AWARD

letterhead paper of the Procuring Entity]

[date]

To: *[name and address of the Contractor]*

This is to notify you that your Tender dated *[date]* for execution of the *[name of the Contract and identification number, as given in the Contract Data]* for the Accepted Contract Amount *[amoun tin numbers and words] [name of currency]*, as corrected and modified in accordance with the Instructions to Tenderers, is here by accepted by…… *(name of Procuring Entity)*.

You are requested to furnish the Performance Security within in accordance with the Conditions of Contract, using, for that purpose, one of the Performance Security Forms included in Section VIII, Contract Forms, of the Tender Document.

Authorized Signature: .....

Name and Title of Signatory: .....

Name of Procuring Entity: .....

Attachment: *Contract Agreement:* .....

Carried Forward to Summary of Section No. 9 Ksh

Section No. 9
Bill No. 3
LETTER OF AWARD
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*

CONTRACT FORMS

FORM NO 4: CONTRACT AGREEMENT

THIS AGREEMENT made the day of……. 20……., between…….
……...of……. (hereinafter "the Procuring
Entity"), of the one part, and_____of_____

WHEREAS the Procuring Entity desires that the Worksknownas_____

The Procuring Entity and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract documents.

   a) theNotification of Award
   b) the Form of Tender
   c) the addenda Nos_____(if any)
   d) the Special Conditions of Contract
   e) the General Conditions of Contract;
   f) the Specifications
   g) the Drawings; and
   h) the completed Schedules and any other documents forming part of the contract.

3. In consideration of the payments to be made by the Procuring Entity to the Contractor as specified in this Agreement, the Contractor here by covenants with the Procuring Entity to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.

4. The Procuring Entity here by covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects there in, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Carried Forward Ksh

Item No		*Amount Kshs*
	Brought Forward Ksh	
	INWITNESS where of the parties here to have caused this Agreement to be executed in accordance with the Laws of Kenya on the day, month and year specified above. Signeda nd sealed by_____(for the Procuring Entity) Signed and sealed by _____(for the Contractor).	
	Carried Forward to Summary of Section No. 9 Ksh	
	Section No. 9 Bill No. 4 CONTRACT AGREEMENT *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*	

Item No		*Amount Kshs*

CONTRACT FORMS

FORM NO. 5 - PERFORMANCE SECURITY

[Option 1 - Unconditional Demand Bank Guarantee]

[Guarantor letterhead]

Beneficiary: *[insert name and Address of Procuring Entity]*

Date: _____*[Insert date of issue]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

1. We have been informed that_____ _____(hereinafter called "the Contract").

2. Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

3. At the request of the Contractor, we as Guarantor, here by irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of_____(*in words*),[1] such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement, whether in the demand it self or in a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.

4. This guarantee shall expire, no later than the……...Day of……,2...…[2], and any demand for payment under it must be received by us at the office indicated above on or before that date.

5. The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed *[six months] [one year],* inresponse tot he Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."
.....

[Name of Authorized Official, signature(s) and seals/stamps]

Carried Forward Ksh

Item No			*Amount Kshs*
	Brought Forward	Ksh	
	Note: *All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.*		
	[1]*The Guarantor shall insert an amount representing the percentage of the Accepted Contract Amount specified in the Letter of Acceptance, less provisional sums, if any, and denominated either in the currency of the Contract or a freely convertible currency acceptable to the Beneficiary.*		
	[2]*Insert the date twenty-eight days after the expected completion date as described in GC Clause 11.9. The Procuring Entity should note that in the event of an extension of this date for completion of the Contract, the Procuring Entity would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee.*		
	Carried Forward to Summary of Section No. 9	Ksh	
	Section No. 9 Bill No. 5 PERFORMANCE SECURITY (OPTION 1) *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*		

Item No		*Amount Kshs*

CONTRACT FORMS

FORM No. 6- PERFORMANCE SECURITY

[Option 2– Performance Bond]

*[**Note:** Procuring Entities a readvised to use Performance Security – Unconditiona lDemand Bank Guarantee in stead of Performance Bond due to difficulties involved in calling Bond holder to action]*

[Guarantor letterhead or SWIFT

identifier code] **Beneficiary:**

*[insertnameandAddressof*Procuring

Entity*]* **Date:** _____ *[Insert date of issue]* **PERFORMANCE BO**

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

1. By this Bond_____ as Principal (hereinafter called "the Contractor") and_____] as Surety (hereinafter called "the Surety"),are held and firmly bound unto_____] as Obligee (hereinafter called "the Procuring Entity") in the amount of_____for the payment of which sum well and truly to be made in the types and proportions of currencies in which the Contract Price is payable, the Contractor and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

2. WHEREAS the Contractor has entered into a written Agreement with the Procuring Entity dated the_____day of_____,20_____, for_____

3. NOW, THEREFORE, the Condition of this Obligation is such that, if the Contractor shall promptly and faithfully perform the said Contract (including any amendments thereto), then this obligation shall be null and void; otherwise, it shall remain in full force and effect. Whenever the Contractor shall be, and declared by the Procuring Entity to be, in default under the Contract, the Procuring Entity having performed the Procuring Entity's obligations there under, the Surety may promptly remedy the default, or shall promptly:

   a) Complete the Contract in accordance with its terms and conditions; or

Carried Forward Ksh

Item No		*Amount Kshs*
	Brought Forward Ksh	
	b) Obtain a tender or tenders from qualified tenderers for submission to the Procuring Entity for completing the Contract in accordance with its terms and conditions, and upon determination by the Procuring Entity and the Surety of the lowest responsive Tenderers, arrange for a Contract between such Tenderer, and Procuring Entity and make a vailable as work progresses (even though there should be a default or a succession of defaults under the Contract or Contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the Balance of the Contract Price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term "Balance of the Contract Price," as used in this paragraph, shall mean the total amount payable by Procuring Entity to Contractor under the Contract, less the amount properly paid by Procuring Entity to Contractor; or	
	c) Pay the Procuring Entity the amount required by Procuring Entity to complete the Contract in accordance with its terms and conditions upto a total not exceeding the amount of this Bond.	
	4. The Surety shall not be liable for a greater sum than the specified penalty of this Bond.	
	5. Any suit under this Bond must be instituted before the expiration of one year from the date of the issuing of the Taking-Over Certificate. No right of action shall accrue on this Bond to or for the use of any person or corporation other than the Procuring Entity named here in or the heirs, executors, administrators, successors, and assigns of the Procuring Entity.	
	6. In testimony whereof, the Contractor has here unto set his hand and affixed his seal, and the Surety has caused these presents to be sealed with his corporate seal duly at tested by the signature of his legal representative, this day _____of_____20_____.	
	SIGNED ON_____on behalf of_____	
	By_____in the capacity of_____	
	Inthepresenceof_____	
	SIGNED ON_____on behalf of_____	
	Carried Forward Ksh	

Section No. 9
Bill No. 6
PERFORMANCE SECURITY (OPTION 2)

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Amount Kshs*
	Brought Forward Ksh	
	By_____in the capacity of_____	
	Inthepresence of_____	
	Carried Forward to Summary of Section No. 9 Ksh	

Section No. 9
Bill No. 6
PERFORMANCE SECURITY (OPTION 2)

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*

CONTRACT FORMS

FORM NO. 7 - ADVANCE PAYMENT SECURITY

[Demand Bank Guarantee]
[Guarantor letterhead]

Beneficiary:_____*[Insert name and Address of* ProcuringEntity*]* **Date:**_____*[Insert date of issue]*

ADVANCE PAYMENT GUARANTEE No.: *[Insert guarantee reference number]*

Guarantor: [*Insert name and address of place of issue, unless indicated in the letterhead]*

1. We have been informed that_____(hereinafter called "the Contractor") has entered into Contract No._____*dated*_with the Beneficiary, for the execution of_____ (hereinafter called" the Contract").

2. Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum _____(*in words*_____) is to be made against an advance payment guarantee.

3. At the request of the Contractor, we as Guarantor, here by irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of_____(*in words*____
   a) Has used the advance payment for purposes other than the costs of mobilization in respect of the Works; or
   b) Has failed to repay the advance payment in accordance with the Contract conditions, specifying the amount which the Applicant has failed to repay.

4. A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Beneficiary's bank stating that the advance payment referred to above has been credited to the Contractor on its account number_____at _____.

5. The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor as specified in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that ninety (90) percent of the Accepted Contract Amount, less provisional sums, has been certified for payment, oronthe_____dayof_____,2_____

Carried Forward Ksh

Item No			*Amount Kshs*
	Brought Forward	Ksh	
	6. The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed *[six months] [one year],* in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee. *[Name of Authorized Official, signature(s) and seals/stamps*] ***Note:*** *All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.*		
	[1]*The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency of the advance paymen tas specified in the Contract.* [2]*Insert the expected expiration date of the Time for Completion. The Procuring Entity should note that in the event of an extension of the time for completion of the Contract, the Procuring Entity would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee.*		
	Carried Forward to Summary of Section No. 9	Ksh	
	Section No. 9 Bill No. 7 ADVANCE PAYMENT SECURITY *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*		

Item No		*Amount Kshs*

CONTRACT FORMS

FORM NO. 8 – RETENTION MONEY SECURITY

[Demand Bank Guarantee]

[Guarantor letterhead]

Beneficiary:_____*[Insert name and Address of* Procuring Entity*]*

Date:_____*[Insert date of issue]*

Advance payment guarantee no. *[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

1. We have been informed that_____*[insert name of Contractor, which in the case of a joint venture shall be the name of the joint venture]* (hereinafter called "the Contractor") has entered into Contract No. _____*[insert reference number of the contract]* dated _____with the Beneficiary, for the executionof_____ _____*[insert name of contract and brief description of* Works*]* (hereinafter called "the Contract").

2. Furthermore, we understand that, according to the conditions of the Contract, the Beneficiary retains moneys upto the limit set forth in the Contract ("the Retention Money"), and that when the Taking-Over Certificate has been issued under the Contract and the first half of the Retention Money has been certified for payment, and payment of *[*insert the second half of the Retention Money] is to be made against a Retention Money guarantee.

3. At the request of the Contractor, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[insert amount in figures]*_

4. A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Beneficiary's bank stating that the second half of the Retention Money as referred to above has been credited to the Contractor on its account number _____at_____ *[insert name and address ofApplicant's bank]*.

5. This guarantee shall expire no later than the.....Day of.....2.....2, and any demand for payment under it must be received by us at the office indicated above on or before that date.

Carried Forward Ksh

Item No		*Amount Kshs*
	Brought Forward Ksh	
	6. The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed *[six months] [one year],* in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee.	
	_____	
	[Name of Authorized Official, signature(s) and seals/stamps]	
	Note: *All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.*	
	[1]*The Guarantor shall insert an amount representing the amount of the second half of the Retention Money.*	
	[2]*Insert a date that is twenty-eight days after the expiry of retention period after the actua lcompletion date of the contract. The Procuring Entity should note that in the event of an extension of this date for completion of the Contract, the Procuring Entity would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee.*	
	Carried Forward to Summary of Section No. 9 Ksh	
	Section No. 9 Bill No. 8 RETENTION MONEY SECURITY *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*	

Item No		*Amount Kshs*

CONTRACT FORMS

FORM NO. 9 BENEFICIAL OWNERSHIP DISCLOSURE FORM

INSTRUCTIONS TO TENDERERS: DELETE THIS BOX ONCE YOU HAVE COMPLETED THE FO

This Beneficial Ownership Disclosure Form ("Form") is to be completed by the succes venture, the tenderer must submit a separate Form for each member. The beneficia submitted in this Form shall be current as of the date of its submission.

For the purposes of this Form, a Beneficial Owner of a Tenderer is any natural person who Tenderer by meeting one or more of the following conditions:

- *Directly or indirectly holding 25% or more of the shares.*
- *Directly or in directly holding 25% or more of the voting rights.*
- *Directly or indirectly having the right to appoint a majority of the board of directors the Tenderer.*

Tender Reference No.:_____ [*insert identificati*

In response to your notification of award dated_____*[insert date of notification of award]* to furnish additional information on beneficial ownership:_____*[select one option as applicable and delete the options that are not applicable]*

I) We here by provide the following beneficial ownership information.

ils of beneficial ownership

Identity of Beneficial Owner	**Directly or indirectly holding 25% or more of the shares (Yes / No)**	**Directly or indirectly holding 25 % or more of the Voting Rights (Yes / No)**	**Directly or indirectly ha appoint a majority of directors or an equival body of the Tenderer (Yes / No)**
[include full name (last, middle, first), nationality,			

Carried Forward Ksh

Section No. 9
Bill No. 9
BENEFICIAL OWNERSHIP DISCLOSURE FORM
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*
	Brought Forward Ksh	

country of residence]

OR

ii) We declare that there is no Beneficial Owner meeting one or more of the following conditions: directly or indirectly holding 25% or more of the shares. Directly or indirectly holding 25% or more of the voting rights. Directly or indirectly having the right to appoint a majority of the board of directors or equivalent governing body of the Tenderer.

OR

We declare that we are unable to identify any Beneficial Owner meeting one or more of the following conditions. [If this option is selected, the Tenderer shall provide explanation on why it is unable to identify any Beneficial Owner]

Directly or indirectly holding 25% or more of the shares. Directly or indirectly holding25% or more of the voting rights.

Directly or indirectly having the right to appoint a majority of the board of directors or equivalent governing body of the Tenderer]"

Name of the Tenderer: .....[insert complete name of the Tenderer]_____*

*Name of the person duly authorized to sign the Tender on behalf of the Tenderer: ** [insert complete name of person duly authorized to sign the Tender]*

Title of the person signing the Tender: ..... [insert complete title of the person signing the Tender]

Signature of the person named above: ..... [insert signature of person whose name and capacity are shown above]

Date signed ..... [insert date of signing] day of..... [Insert month], [insert year]

Carried Forward Ksh

Section No. 9
Bill No. 9
BENEFICIAL OWNERSHIP DISCLOSURE FORM

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No			*Amount Kshs*
	Brought Forward	Ksh	
	Carried Forward to Summary of Section No. 9	Ksh	

Section No. 9
Bill No. 9
BENEFICIAL OWNERSHIP DISCLOSURE FORM
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

SECTION SUMMARY - CONTRACT FORMS

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	Carried to Final Summary		Ksh	

Section No. 9

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*
	NOTES FOR PREPARING SPECIFICATIONS	
A	1.0 Specifications must be drafted to present a clear and precise statement of the required standards of materials, and workmanship for tenderers to respond realistically and competitively to the requirements of the Employer and ensure responsiveness of tenders. The Specifications should require that all materials, plant, and other supplies to be permanently incorporated in the Works be new, unused, of the most recent or current models, and incorporating all recent improvements in design and materials unless provided otherwise in the Contract. Where the Contractor is responsible for the design of any part of the permanent Works, the extent of his obligations must be stated.	
	2.0 Specifications from previous similar projects are useful and may not be necessary to re-write specifications for every Works Contract.	
	3.0 There are considerable advantages in standardizing **General Specifications** for repetitive Works in recognized public sectors, such as highways, urban housing, irrigation and water supply. The General Specifications should cover all classes of workmanship, materials and equipment commonly involved in constructions, although not necessarily to be used in a particular works contract. Deletions or addenda should then adapt the General Specifications to the particular Works.	
	4.0 Care must be taken in drafting Specifications to ensure they are not restrictive. In the Specifications of standards for materials, plant and workmanship, existing Kenya Standards should be used as much as possible, otherwise recognized international standards may also be used.	
	5.0 The Employer should decide whether technical solutions to specified parts of the Works are to be permitted. Alternatives are appropriate in cases where obvious (and potentially less costly) alternatives are possible to the technical solutions indicated in tender documents for certain elements of the Works, taking into consideration the comparative specialized advantage of potential tenderers.	
	6.0 The Employer should provide a description of the selected parts of the Works with appropriate reference to Drawings, Specifications, Bills of Quantities, and Design or Performance criteria, stating that the alternative solutions shall be at least structurally and functionally equivalent to the basic design parameters and Specifications.	
	Such alternative solutions shall be accompanied by all information necessary for a complete evaluation by the Employer, including drawings, design calculations, technical specifications, breakdown of prices, proposed construction methodology, and other relevant details.	
	Carried Forward	Ksh

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	Technical alternatives permitted in this manner shall be considered by the Employer each on its own merits and independently of whether the tenderer has priced the item as described in the Employer's design included with the tender documents.		-
	Carried to Final Summary Ksh		

Section No. 10
Bill No. 1
SPECIFICATIONS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*
	BILLS OF QUANTITIES	
A	1.0 The objectives of the Bills of Quantities are;	
	(a) to provide sufficient information on the quantities of Works to be performed to enable tenders to be prepared efficiently and accurately; and	
	(b) when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.	
	In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and content of the Bill of Quantities should be as simple and brief as possible.	
	2.0 The Bills of Quantities should be divided generally into the following sections:	
	a) Preliminaries. The preliminaries should indicate the inclusiveness of the unit prices, and should state the methods of measurement which have been adopted in the preparation of the Bill of Quantities and which are to be used for the measurement of any part of the Works.	
	The number of preliminary items to be priced by the tenderer should be limited to tangible items such as site office and other temporary works, otherwise items such as security for the Works which are primarily part of the Contractor's obligations should be included in the Contractor's rates.	
	b) Work Items The items in the Bills of Quantities should be grouped into sections to distinguish between those parts of the Works which by nature, location, access, timing, or any other special characteristics may give rise to different methods of construction, or phasing of the Works, or considerations of cost. General items common to all parts of the Works may be grouped as a separate section in the Bill of Quantities.	
	Quantities should be computed net from the Drawings, unless directed otherwise in the Contract, and no allowance should be made for bulking, shrinkage or waste. Quantities should be rounded up or down where appropriate.	
	Carried Forward Ksh	

Item No		*Amount Kshs*
	Brought Forward Ksh	

The following units of measurement and abbreviations are recommended for use.

Unit	-	*Abbreviation*
Cubic meter	-	m^3 or cu m
Hectare	-	Ha
Hour	-	H
Kilogram	-	Kg
Lump sum	-	Sum
Meter	-	M
Metric ton (1,000 kg)	-	T
Millimetre	-	mm
Number	-	No
Month	-	Mo
Square meter	-	m^2/sqm
Square millimetre	-	mm^2/sqmm
Week	-	wk

The commencing surface should be identified in the description of each item for Work involving excavation, boring or drilling, for which the commencing surface is not also the original surface. The excavated surface should be identified in the description of each item for Work involving excavation for which the excavated surface is not also the final surface. The depths of Work should be measured from the commencing surface to the excavated surface, as defined.

c) Daywork Schedule

A Daywork Schedule should be included if the probability of unforeseen work, outside the items included in the Bill of Quantities, is relatively high. To facilitate checking by the Employer of the realism of rates quoted by the tenderers, the Daywork Schedule should normally comprise:

1. a list of the various classes of labour, and materials for which basic Day work rates or prices are to be inserted by the tenderer, together with a statement of the conditions under which the Contractor will be paid for work executed on a Day work basis; and

2. a percentage to be entered by the tenderer against each basic Day work Subtotal amount for labour, materials and plant representing the Contractor's profit, overheads, supervision and other charges.

Carried Forward Ksh

Item No		*Amount Kshs*
	Brought Forward Ksh	
	d) Provisional Quantities and Sums (i) Provision for quantity contingencies in any particular item or class of Work with a high expectation of quantity overrun should be made by entering specific "Provisional Quantities" or "Provisional Items" in the Bill of Quantities, and *not* by increasing the quantities for that item or class of Work beyond those of the Work normally expected to be required. To the extent not covered above, a general provision for physical contingencies (quantity overruns) should be made by including a "Provisional Sum" in the Summary of the Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a "Provisional Sum" in the Summary of the Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises.	
	(ii) Provisional sums to cover specialized works normally carried out by Nominated Sub Contractors should be avoided and instead Bills of Quantities of the specialised Works should be included as a section of the main Bills of Quantities to be priced by the Main Contractor. The Main Contractor should be required to indicate the name (s) of the specialised firms he proposes to engage to carry out the specialized Works as his approved domestic sub-contractors. Only provisional sums to cover specialized Works by statutory authorities should be included in the Bills of Quantities.	
	(e) Summary The Summary should contain a tabulation of the separate parts of the Bills Quantities carried forward, with provisional sums for Daywork, for physical (quantity) contingencies, and for price contingencies (upward price adjustment) where applicable.	-
	Carried to Final Summary Ksh	
	Section No. 11 Bill No. 1 BILLS OF QUANTITIES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*	

Item No		*Amount Kshs*
	STANDARD FORMS	
	FORM OF INVITATION FOR TENDERS	
A	_____*[date]*	
	To: _____ *[name of Contractor]*	
	_____*[address]*	
	_____	
	_____	
	Dear Sirs:	
	*Reference:*_____*[Contract Name]*	
	You have been prequalified to tender for the above project.	
	We hereby invite you and other prequalified tenderers to submit a tender for the execution and completion of the above Contract.	
	A complete set of tender documents may be purchased by you from _____	
	_____ _____	
	[mailing address, cable/telex/facsimile numbers].	
	Upon payment of a non-refundable fee of Kshs _____	
	All tenders must be accompanied by _____number of copies of the same and a security in the form and amount specified in the tendering documents, and must be delivered to	
	Carried Forward Ksh	

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	_____ _____ *[address and location]*		
	at or before _____*(time and date).* Tenders will be opened immediately thereafter, in the presence of tenderers' representatives who choose to attend.		
	Please confirm receipt of this letter immediately in writing by cable/facsimile or telex.		
	Yours faithfully,		
	_____ Authorised Signature		
	_____ *Name and Title*		-
	Carried Forward Ksh		
	Section No. 12 Bill No. 1 STANDARD FORMS *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*		

Item No		*Amount Kshs*
	Brought Forward Ksh	
	LETTER OF ACCEPTANCE	
A	**[letterhead paper of the Employer]**	
	_____*[date]*	
	To: _____	
	[name of the Contractor]	
	_____	
	[address of the Contractor]	
	Dear Sir,	
	This is to notify you that your Tender dated _____	
	for the execution of _____	
	[name of the Contract and identification number ,as given in the Tender documents] for the Contract Price of Kshs. _____ *[amount in figures]*[Kenya Shillings_____*(amount in words)*] in accordance with the Instructions to Tenderers is hereby accepted.	
	Carried Forward Ksh	

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	You are hereby instructed to proceed with the execution of the said Works in accordance with the Contract documents.		
	Authorized Signature ……		
	Name and Title of Signatory ……		
	Attachment : Agreement		-
	Carried Forward Ksh		
	Section No. 12 Bill No. 1 STANDARD FORMS *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*		

Item No		*Amount Kshs*
	Brought Forward Ksh	
	FORM OF AGREEMENT	
A	THIS AGREEMENT, made the _____ day of _____ 20 _____ between_____of[or whose registered office is situated at]_____ (hereinafter called "the Employer") of the one part AND _____of[or whose registered office is situated at]_____ (hereinafter called "the Contractor") of the other part. WHEREAS THE Employer is desirous that the Contractor executes _____ *(name and identification number of Contract)* (hereinafter called "the Works") located at_____*[Place/location of the Works*]and the Employer has accepted the tender submitted by the Contractor for the execution and completion of such Works and the remedying of any defects therein for the Contract Price of Kshs_____[*Amount in figures*],Kenya Shillings_____[*Amount in words].* NOW THIS AGREEMENT WITNESSETH as follows: 1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to. 2. The following documents shall be deemed to form and shall be read and construed as part of this Agreement i.e. (i) Letter of Acceptance (ii) Form of Tender (iii) Conditions of Contract Part I (iv) Conditions of Contract Part II and Appendix to Conditions of Contract	
	Carried Forward Ksh	

Item No		*Amount Kshs*
	Brought Forward Ksh	
	(v) Specifications	
	(vi) Drawings	
	(vii) Priced Bills of Quantities	
	3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.	
	4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.	
	IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.	
	The common Seal of _____	
	Was hereunto affixed in the presence of _____	
	Signed Sealed, and Delivered by the said _____	
	Binding Signature of Employer _____	
	Binding Signature of Contractor _____	
	In the presence of (i) Name_____	
	Carried Forward Ksh	

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	Address_____			
	Signature_____			
	(ii) Name _____			
	Address_____			
	Signature_____			-
	Carried Forward	Ksh		

Section No. 12
Bill No. 1
STANDARD FORMS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No			*Amount Kshs*
	Brought Forward	Ksh	
	PERFORMANCE BANK GUARANTEE		
	Carried Forward	Ksh	

Section No. 12
Bill No. 1
STANDARD FORMS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*
	Brought Forward Ksh	
A	To: _____(*Name of Employer*) _____*(Date)* _____(*Address of Employer)* Dear Sir, WHEREAS _____(hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ (hereinafter called "the Works"); AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognised bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract; AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee: NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Kshs. _____ (*amount of Guarantee in figures*) Kenya Shillings_____ (*amount of Guarantee in words*), and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of Kenya Shillings _____ (*amount of Guarantee in words*) as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein. We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand. We further agree that no change, addition or other modification of the terms of the Contract or of the Works to be performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this Guarantee, and we hereby waive notice of any change, addition, or modification. This guarantee shall be valid until the date of issue of the Certificate of Completion.	
	Carried Forward Ksh	

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Amount Kshs*
	Brought Forward Ksh	
	SIGNATURE AND SEAL OF THE GUARANTOR _____	
	Name of Bank _____	
	Address _____	
	Date _____	-
	Carried Forward Ksh	

Section No. 12
Bill No. 1
STANDARD FORMS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*
	Brought Forward Ksh	
	LETTER OF NOTIFICATION OF AWARD	
A	Address of Procuring Entity _____ _____ To:_____ _____ RE: Tender No._____ Tender Name_____ This is to notify that the contract/s stated below under the above mentioned tender have been awarded to you. 1. Please acknowledge receipt of this letter of notification signifying your acceptance. 2. The contract/contracts shall be signed by the parties within 30 days of the date of this letter but not earlier than 14 days from the date of the letter. 3. You may contact the officer(s) whose particulars appear below on the subject matter of this letter of notification of award. *(FULL PARTICULARS)*_____ **SIGNED FOR ACCOUNTING OFFICER**	-
	Carried Forward Ksh	

Section No. 12
Bill No. 1
STANDARD FORMS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No			*Amount Kshs*
	Brought Forward	Ksh	
	Carried Forward	Ksh	

Section No. 12
Bill No. 1
STANDARD FORMS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*
	Brought Forward Ksh	
	FORM RB 1	
A	**REPUBLIC OF KENYA**	
	PUBLIC PROCUREMENT ADMINISTRATIVE REVIEW BOARD	
	APPLICATION NO…….OF……..20……..	
	BETWEEN	
	…….APPLICANT	
	AND	
	…….RESPONDENT *(Procuring Entity*)	
	Request for review of the decision of the…… (*Name of the Procuring Entity)* of ……dated the…day of ……20…….in the matter of Tender No……..…of ……..20…	
	REQUEST FOR REVIEW	
	I/We……,the above named Applicant(s), of address: Physical address…….Fax No……Tel. No……..Email ……, hereby request the Public Procurement Administrative Review Board to review the whole/part of the above mentioned decision on the following grounds , namely:-	
	1.	
	2.	
	etc.	
	By this memorandum, the Applicant requests the Board for an order/orders that: -	
	Carried Forward Ksh	

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	1.		
	2.		
	etc		
	SIGNED …….(Applicant)		
	Dated on…….day of ……/…20…		
	FOR OFFICIAL USE ONLY		
	Lodged with the Secretary Public Procurement Administrative Review Board on …… day of ……...20……		
	SIGNED		
	Board Secretary		-
	Carried to Final Summary Ksh		
	Section No. 12 Bill No. 1 STANDARD FORMS *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*		

Item No		*Amount Kshs*	
	GENERAL PRELIMINARIES		
	PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES		
A	**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.		-
	Carried Forward Ksh		

Section No. 13
Bill No. 1
GENERAL PRELIMINARIES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	ABBREVIATIONS		
A	Throughout these Bills, units of measurement and terms are abbreviated and shall be interpreted as follows:-		
	C.M.:- Shall mean cubic metre		
	S.M.:- Shall mean square metre		
	L.M:- Shall mean linear metre		
	M.M:- Shall mean Millimetre		
	Kg:- Shall mean Kilogramme		
	No:- Shall mean Number		
	Prs:- Shall mean Pairs		
	B.S:- Shall mean the British Standard Specification Published by the British Standard Institution, 2 Park Street, London W.I., England.		
	Ditto:- Shall mean the whole of the preceding description except as qualified in the description in which it occurs.		
	m.s:- Shall mean measured separately		
	a.b.d :- Shall mean as before described.		-
	Carried Forward Ksh		

Section No. 13
Bill No. 1
GENERAL PRELIMINARIES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT		
A	***Attendance;*** Clause B19(a) of the Standard Method of Measurement is deleted and the following clause is substituted:- Attendance on nominated Sub-Contractors shall be given as an item and in each case shall be deemed to include: allowing use of standing scaffolding, mess rooms, sanitary accommodation and welfare facilities; provision of special scaffolding where necessary; providing light and water for their work: clearing away rubbish; unloading checking and hoisting: providing electric power and removing and replacing duct covers, pipe casings and the like necessary for the execution and testing of Sub-Contractor's work and being responsible for the accuracy of the same.		-
	FORM OF CONTRACT		
B	The form of contract shall be as stipulated in the Republic of Kenya's standard Tender Document for Procurement of Building Works (2006 Edition and all amendments) included herein copy of which form part of this tender document If the Contractor considers that compliance with any of the conditions of Contract of which headings are set out hereunder involves expenses to him, which is not included elsewhere in his prices, he shall set down opposite any such conditions the value he attaches thereto. Particulars of the insertions to be made in the Appendix of the Contract Agreement will be found in the Particular Preliminaries of these Bills of Quantities.		-
	PERFOMANCE BOND		
C	The Contractor shall find and submit on the Form of Tender an approved bank who will be willing to be bound to the Client in an amount equal to **ten per cent (10%)** of the Contract amount for the due performances of the Contract up to the date of completion as certified by the Architect. The Contractor shall furnish within seven days after the Contract Agreement is signed the Performance Bond to the approval of the Client.		
	Carried Forward Ksh		

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	TOOLS, PLANT AND SCAFFOLDING		
A	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.		
	TRANSPORT		
B	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.		
	MATERIALS AND WORKMANSHIP		
C	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.		-
	SIGN FOR MATERIALS SUPPLIED		
D	The Contractor will be required to sign a receipt for all articles and materials supplied by the Client at the time of taking delivery 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 Custom Duty and V.A.T., at the Contractor's own cost and expense, to the satisfaction of the Architect.		-
	STORAGE OF MATERIALS		
E	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 Architect. The facility should be able to accomodate the Nominated Sub-Contractors requirement especially for their use.		
	Carried Forward Ksh		

Section No. 13
Bill No. 1
GENERAL PRELIMINARIES

Item No		*Amount Kshs*
	Brought Forward Ksh	
	SAMPLES	
A	The Contractor shall furnish at his own cost any sample of materials or workmanship including concrete test cubes required for the works that may be called for by the Architect for his approval until such samples are approved by the Architect and the Architect, may reject any materials or workmanship not in his opinion to be up to approved samples. The Architect shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the Architect. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Roads and Public Works. The procedure for submitting samples of material for testing and the method of marking for identification shall be as laid down by the Architect. The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work.	
	GOVERNMENT ACTS REGARDING WORK PEOPLE ETC.	
B	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 Insurance, pensions and holidays for workpeople or to 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 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 tender. No Claim in respect of lack of knowledge in this connection will be entertained.	
	SECURITY OF WORKS ETC.	
C	The Contractor shall be entirely responsible for the security of all the works stores, materials, plant, personnel, etc. both his own and sub-contractor's and must provide all against theft, loss or damage and the protection of the public.	
	Carried Forward Ksh	

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	PUBLIC AND PRIVATE ROADS		
A	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 Architect.		-
	EXISTING PROPERTY		
B	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 Architect.		
	VISIT SITE AND EXAMINE DRAWINGS		
C	The Contractor is recommended to examine the drawings and visit the site the location of which is described in the Particular Preliminaries hereof. He shall be deemed to have acquainted himself therewith as to its nature, position, means of access or any other matter which may affect his tender. No claim arising from his failure to comply with this recommendation will be considered.		-
	ACCESS TO SITE AND TEMPORARY ROADS		
	The site is fully a accessible from Kirichwa road. However should the need arise the means of access to the Site shall be agreed with the Architect 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 roads; temporary culverts, bridges, etc. and make good and reinstate all works and surface disturbed to the satisfaction of the Architect.		
	Carried Forward Ksh		
	Section No. 13 Bill No. 1 GENERAL PRELIMINARIES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*		

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	AREA TO BE OCCUPIED BY THE CONTRACTOR			
A	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 Architect. Any space outside the site shall be sourced from the city council by the main contractor.			-
	SITE OFFICE			
B	The Contractor shall provide, erect and maintain where directed on site and afterwards dismantle the site office comprising amongst other offices the office of the resident Engineers, of the type and size as directed by the Architect, complete with Furniture; computers; priners cameras and stationery to the approval of the Architect. He shall also provide a strong metal trunk complete with strong hasp and staple fastening and two keys. He shall provide, erect and maintain a lock-up type water or bucket closet for the sole use of the Architect including making temporary connections to the drain where applicable to the satisfaction of Client and Medical Officer of Health and shall provide services of a 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 "Architect" a modern and accurate level together with levelling staff, ranging rods and 50 metre metallic or linen tape. Special Note:- The office should have adequate provision (Space) for pinning up / display surface for project-related information and data as may be required / directed by the Project Architect			
	Carried Forward	Ksh		

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	WATER AND ELECTRICITY SUPPLY FOR THE WORKS		
A	The site is fully servised with water electricity and sewerage system. The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the Architect. The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost. Nominated Sub-contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own use.		
	SANITATION OF THE WORKS		
B	The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Client and/or Local Authorities, Labour Department and the Architect.		
	TELEPHONE		
C	The Contract shall allow for providing a reliable telecommunication system on site throughout the course of the contract and for making necessary arrangements for the connection to the local telephone service providers and for paying all connection, rental and call charges in connection herewith.		-
	PROVISIONAL SUMS		
D	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.		-
	Carried Forward Ksh		

Section No. 13
Bill No. 1
GENERAL PRELIMINARIES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	PRIME COST (OR P.C.) SUMS.			
A	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 Architect to execute work or to provide and fix materials or goods as stated in Condition No. 20 of the Conditions of Contract are described herein as Nominated Sub-Contractors. Persons or firms so nominated to supply goods or materials are described herein as Nominated Suppliers.			-
	PROGRAMME OF WORKS / PROGRESS CHART.			
B	The Contractor shall provide within one week of Possession of Site and in agreement with the Architect a Progress Chart for the whole of the works including the works of Nominated Sub-Contractors; one copy to be handed to the Architect and a further copy to be retained on Site. Progress to be recorded and chart to be amended as necessary as the work proceeds. The Contractor shall be required to update the Programme of Works / Progress Chart on a frequency to be determined by the Project Architect. The format and contents of the Programme of Works/Progress Chart shall be provided by the Project Architect			
	PROGRESS REPORTS			
C	The Contractor shall prepare and submit progress reports for the project, on a frequency to be defined by the Project Architect but not exceeding 4 calendar weeks. The format, contents and number of copies of the progress reports shall be defined by the Project Architect			
	Carried Forward	Ksh		

Section No. 13
Bill No. 1
GENERAL PRELIMINARIES

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
	AS BUILT DRWINGS METHOD STATEMENTS & SHOP DRAWINGS			
A	The Contractor shall be expected to submit detailed Method Statements and Shop Drawings for all specialized aspects of work that the Project Consultants deem necessary. The format and contents of the Method Statements and Shop Drawings shall be provided by the Project Architect. The Contractor shall be required to submit, atleast 4 calendar weeks before Practical Completion Date, As-Built drawings and report covering all works under his Contract. The contents and format of the As-Built drawings and report shall be defined by the Project Architect'.			
	ADJUSTMENT OF PRIME COST SUMS.			
B	In the final account all Prime Cost Sums shall be deducted and the amount properly expended upon the Architect's order in respect of each of them added to the Contract sum. The Contractor shall produce to the Architect 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.			-
	Carried Forward	Ksh		

Section No. 13
Bill No. 1
GENERAL PRELIMINARIES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	ADJUSTMENT OF PROVISIONAL SUMS.		
A	In the final account all Provisional Sums shall be deducted and the value of the work properly executed in respect of them upon the Architect's order added to the Contract Sum. Such work shall be valued as described for Variations in Conditions No. 22 of the Conditions of Contract, but should any part of the work be executed by a Nominated Sub-Contractor, the value of such work or articles for the work to be supplied by a Nominated Supplier, the value of such work or articles shall be treated as a P.C. Sum and profit and attendance comparable to that contained in the priced Bills of Quantities for similar items added.		-
	NOMINATED SUB-CONTRACTORS		
B	When any work is ordered by the ARCHITECT to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts as described in Conditions of Contract and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries.		-
	DIRECT CONTRACTS		
C	Notwithstanding the foregoing conditions, the Client 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.		-
	ATTENDANCE UPON OTHER TRADESMEN, ETC.		
D	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 Architect and the work will be measured and paid for to the extent executed at rates provided in these Bills.		-
	Carried Forward Ksh		

Section No. 13
Bill No. 1
GENERAL PRELIMINARIES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	INSURANCE		
A	The Contractor shall insure the work as required in Conditions Nos. 30 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the Architect either by production of an Insurance Policy or and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the Architect shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the Architect's inspection.		
	PROVISIONAL WORK		
B	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 Architect.		
	Immediately the work is ready for measuring, the Contractor shall give notice to the Architect. If the Contractor makes default in these respects he shall if the Architect so directs uncover the work to enable all measurements to be taken and afterwards reinstate at his own expense.		-
	ALTERATIONS TO BILLS, PRICING, ETC.		
C	Any unauthorised alteration or qualification made to the text of the Bills of Quantities may cause the Tenderer 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.		-
	Carried Forward Ksh		

Section No. 13
Bill No. 1
GENERAL PRELIMINARIES

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	BLASTING OPERATIONS		
A	Blasting will only be allowed with the express permission of the Architect in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost in accordance with any Government regulations in force for the time being, and any special regulations laid down by the Architect governing the use and storage of explosives.		-
	MATERIALS ARISING FROM EXCAVATIONS		
B	Materials of any kind obtained from the excavations shall be the property of the Client. Unless the Architect directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the Architect. Should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.		-
	PROTECTION OF THE WORKS.		
C	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 Architect 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.		
	REMOVAL OF RUBBISH ETC.		
D	Provide for removal of rubbish and debris from the Buildings and site as it accumulates and at the completion of the works and remove all plant, scaffolding and unused materials at completion.		
	Carried Forward Ksh		

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	WORKS TO BE DELIVERED UP CLEAN		
A	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 Architect.		
	FIRM PRICE CONTRACT		
B	Unless otherwise specifically stated in the Particular Preliminaries this is a firm price contract and fluctuations in prices of labour and materials shall not apply.		
	GENERAL SPECIFICATION.		
C	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 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.		-
	TRAINING LEVY		
D	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.		
	MATERIALS ON SITE		
E	All materials for incorporation in the works must be stored on or adjacent to the site before payment for the same is effected unless specifically exempted by the Architect. This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.		-
	Carried Forward Ksh		

Section No. 13
Bill No. 1
GENERAL PRELIMINARIES

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No			*Amount Kshs*
	Brought Forward	Ksh	
	HOARDING		
A	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 centres with two 75 x 50 mm timber rails. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site.		
	CONTRACTOR'S SUPERINTENDENCE/SITE AGENT		
B	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 time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Architect and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.		-
	Carried to Final Summary	Ksh	

Section No. 13
Bill No. 1
GENERAL PRELIMINARIES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*	
	PARTICULAR PRELIMINARIES		
	DEFINITION OF TERMS		
A	The following terms, wherever they shall occur shall be interpreted as hereunder: - **(a) "Employer"** shall be held to mean: - **M/s CHUKA UNIVERSITY** P. O. Box 109 - 60400, NAIROBI. Whose official represetatives are *University Architect* Arch Moses Kirimi Cell No 0721-218525 *University Quantity Surveyor* Qs Elias Muindi Cell No 0722-670935		-
B	(b) "**Project Managers & or Architects"** shall be held to mean:- **M/S Baseline Architects** P.O. Box 39928 - 00623 Nairobi Whose official representative is:- Arch Motanya D.O Cell No 0722 - 756539		-
C	**(c) "Project Quantity Surveyor"** shall be held to mean: - **M/s Impetus Cost Consultants Limited** P.O. Box 22006 - 00100 Nairobi - Kenya Whose official representative is:- Qs Njeru M.P. Cell No 0724-982274		-
D	**(d) "Project Structural Engineers"** shall be held to mean: - **M/s Mankan Consulting Engineers** P.O. Box 57866 - 00200 Nairobi - Kenya Whose official representative is Eng Geofrey Manguriu cell No 0722-529712		-
	Carried Forward Ksh		

Section No. 14
Bill No. 1
PARTICULAR PRELIMINARIES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No			*Amount Kshs*	
	Brought Forward	Ksh		
A	**(e)** **"Project Electrical & Mechanical Engineers"** shall be held to mean: - **M/s Metrocom Limited** P.O. Box 27090 - 00100 Nairobi - Kenya Whose official representative is Eng Z.M. Macharia cell No 0722-737932			-
	LOCATION OF SITE			
B	The site is located along Embu Meru Highway Approximately 180 - 200 kilometres from Nairobi, 40 kilometres from Embu Town and 4 Kilometres from Chuka Town **The Contractor is advised to visit the site before submitting a tender and ascertain the nature of site, nature of adjoining property and other services that are necessary for the smooth carrying out of the works. No claims arising from his failure to comply with this recommendation shall be considered.**			-
	Carried Forward	Ksh		

Section No. 14
Bill No. 1
PARTICULAR PRELIMINARIES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	DESCRIPTION OF THE WORKS		
A	The works comprise the buildings construction and completion of 1 No. Office Block building and associated external works as detailed here below:-		
	MAIN BUILDING WORKS		
	The main building works involves the construction of 1 No. multifunctinal Library block complex.		
	The substructure and superstructure works generally involve the construction of reinforced concrete column bases, foundation strip, columns, beams, suspended free span floor slabs, natural stone walls and structural steel roof trusses.		
	Floor Finishes include Cement sand screed paving to receive either ceramic tiles; Granitto Tiles, plaster and paint, coloured ceramic wall tiles, textured paint on external walls; Accoustic and or plaster and paint on ceilings; and suspended slab roof		
	External openings generally comprise aluminium sliding casement window and frameless glass doors. Internal openings comprise mahogany panel and semi-solid core flush doors.		
	In addition to the above, electrical and mechanical services such as electrical installation, mechanical installations, lift installation structured cabling etc will be excecuted.		
	EXTERNAL WORKS These include the construction and completion of access roads, car parks and foot paths around the buildings, foul drainage land scaping and underground water tank.		
	The contractor shall be responsible for the acquisition of the necessary council permits.		-
	Carried Forward Ksh		

Section No. 14
Bill No. 1
PARTICULAR PRELIMINARIES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	CLEARING AWAY		
A	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 works and stains and leave in a clean and tidy state to the reasonable satisfaction of the Architect. The whole of the works shall be delivered up clean, complete and in reasonable condition in every respect to the satisfaction of the Architect.		
	CLAIMS		
B	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 claim or intent to claim notice to the Architect within the contract period. No claims shall be entertained upon the expiry of the said contract period.		-
	Carried Forward Ksh		

Section No. 14
Bill No. 1
PARTICULAR PRELIMINARIES

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	OCCUPATION HEALTH AND SAFETY ON SITE		
A	The Contractor is notified that these works are to be carried out on a restricted site with existing neighbouring properties which are in use. The Contractor is therefore expected to take reasonable care in the execution of the works as to prevent occurrence of accidents, damage or loss and disruption of the neighbouring properties and its occupants and/or users. The Contractor shall at all times take all reasonable precautions to assure the safety and health of all workers and visitors to the site, together with the health and safety of persons in the properties immediately neighbouring the site. The Contractor shall be expected to employ and maintain (all through the project execution phase) a dully qualified Safety & Health Officer who shall be expected to develop a comprehensive Safety & Health Manual for review and approval by the Project Architect before commencement of ANY works on site. The Manual shall be the guiding policy document at the site, aimed at ensuring a pro-active and sustained compliance of all aspects of work to safety and health guidelines and the Officer shall, upon its approval, be expected to oversee its strict implementation on site. The execution of the Manual shall be under the theme 'Safety First' and shall include, inter alia, the use of appropriate Personal Protective Equipment (PPE) by all workers and visitors to the site at all times.The format and contents of the Manual shall be agreed with the Project Architect. The Contractor shall allow in his rates any expense they deem necessary by taking such care within the site.		-
	Carried Forward Ksh		

Section No. 14
Bill No. 1
PARTICULAR PRELIMINARIES

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	ENVIRONMENT		
A	The contractor shall comply fully with the conditions set out under the Environmental impact assessment (EIA) licence copy attached and the EMCA 1999 laws of kenya and any other legislation.		
	SIGN-BOARD		
B	Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away the sign-board as designed, specified and approved by the Architect.		
	LABOUR CAMPS		
C	The Contractor shall not be allowed to house labourers on site. Allow for transporting workers to and from the site during the tenure of the contract.		-
	PRICING RATES		
D	The tender 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.		-
	BID SECURITY		
E	The tenderer shall furnish, as part of his bid, a bid security in the sum prescribed. The bid security shall, at the tenderers option be in the form of certified Cheque, Bank draft, stand by Letter of Credit or Guarantee from a reputable bank located in Kenya or a foreign bank that has been determined to be acceptable to the government of Kenya. The format of the bank guarantee shall be in accordance with one of the sample forms of bid security included in the post qualifications. Other formats may be permitted subject to prior approval of the government. Letters of Credit, Bank guarantee issued, as security for bid shall be valid for 30 days beyond the validity of the bid.		
	Carried Forward Ksh		

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	SECURITY		
A	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.		
	PAYMENT FOR MATERIALS ON SITE		
B	All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Architect. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.		-
	EXISTING SERVICES		
C	Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services.		-
	PERFORMANCE BOND		
D	A bond of **7.5%** of the contract sum will be required in accordance with clause 6.00 under Section 'A' regarding Instructions to Tenderers. No payment on account for the works executed will be made to the contractor until he has submitted the Performance Bond to the Architect duly signed, sealed and stamped from an approved Bank.		
	TENDER DOCUMENTS		
E	Tender documents are as listed in Clause 7		-
	Carried Forward Ksh		

Section No. 14
Bill No. 1
PARTICULAR PRELIMINARIES

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	DELIVERY OF TENDER		
A	Tenders and all documents in connection therewith, as specified above must be delivered in an addressed envelope which should be properly sealed and deposited at the offices as specified in the letter accompanying these documents or as indicated in the advertisement. Tenders will be opened at the time specified in the letter accompanying these Tender Documents or as indicated in the advertisement. Tenders delivered/received later than the above time will not be opened.		-
	VALUE ADDED TAX		
B	The Contractor's attention is drawn to the Legal Notice in the Finance Act part 3 Section 21(b) operative from 1st September, 1993 which requires payment of VAT on all contracts. The Contractor should therefore include allowance in his rates and prices for prices for VAT and any other Government taxes currently in force. The tenderer is advised that in accordance with Government public notice No. 35 & 36 Dated 11th September 2003 operational from 1st October 2003, 16% withholding VAT will be levied against the contract sum by the Employer and remitted to the Commissioner of VAT through all interim and final certificates. It should however be noted that this is not additional tax but a new mode of payment for VAT. Any excess payment will be refundable once the Contractor has submitted monthly returns to the Commissioner of VAT who will do the refunds when satisfied that the VAT regulations have been complied with.		-
	Carried to Final Summary Ksh		
	Section No. 14 Bill No. 1 PARTICULAR PRELIMINARIES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*		

Item No		*Amount Kshs*	
	TRADE PREAMBLES		
	GENERALLY		
A	All work to be carried out in accordance with the Ministry of Public Works General Specifications for Building Works issued in 1976 or as qualified or amended below.		-
	MANUFACTURERS' NAMES		
B	Where manufacturers' names and catalogue references are given, this shall be for guidance to quality and standard only. Alternative manufacturer of equal quality will be accepted at the discretion of the Project Manager.		-
	WALLING		
C	All precast concrete blocks shall be manufactured by the methods and to the sizes specified in the Ministry of Public Works "Specification for Metric Sized Concrete Blocks for Building (1972)"		
	Walling of 100 mm thickness or under shall be reinforced with hoop iron every alternate course.		
	Prices for walling must allow for all costs in preparing, packing and sending sample blocks for testing as and when required by the Project Manager.		-
	CARPENTRY		
D	The grading rules for cypress shall be the same for podocarpus and all timber used for structural work shall be select (second grade).		
	All structural timber must conform to the minimum requirements for moisture content and preservative treatment and timber prices must allow for preparing, packing and sending samples for testing when required.		
	Prices must also include for all nails and fasteners.		-
	Carried Forward Ksh		

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	JOINERY		
A	Cypress for joinery shall be second grade in accordance with the latest grading rules of the Kenya Government. Where Mahogany is specified, this refers to prime grade only. The Contractor may with the written approval of the Project Manager; use either Msharagi or Mvuli in lieu of Mahogany but such approval will be given only in the case of shortages of the hardwoods specified. Plugging shall be carried out by drilling walling or concrete with masonry drill and filling with propriety plugs of the correct sizes. Cutting with hammer and chisel will not be allowed. Prices for joinery must include for pencil rounded arises, protection against damage, nails, screws, framing and bedding in cement mortar as required. Sizes given for joinery items are nominal sizes and exact dimensions of doors, etc, must be ascertained on site.		-
	IRONMONGERY		
B	Ironmongery shall be as specified in the Bills of Quantities or equal and approved. Prices must include for removing and re-fixing during and after painting, labeling all keys, and for fixing to hardwood, softwood, concrete or block work. Catalogue references given for ironmongery are for purposes of indicating quality and size of item(s). Should the Contractor wish to substitute the specified item(s) with others of equal manufacture, he must inform the Project Manager and obtain approval in writing.		-
	STRUCTURAL STEELWORK		
C	All structural steelwork shall comply with the Ministry of Public Works "Structural Steelwork Specification (1973) and shall be executed by an approved Sub-contractor.		-
	Carried Forward Ksh		

Section No. 15
Bill No. 1
TRADE PREAMBLES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Amount Kshs*	
	Brought Forward Ksh		
	PLASTERWORK AND OTHER FINISHES		
A	All finishings shall be as described in the general specifications and in these Bills of Quantities.		
	Prices for pavings are to include for brushing concrete clean, wetting and coating with cement and sand grout 1:1.		
	Rates for glazed wall tiling are to include for a 12 mm cement and sand (1:4) backing screed unless otherwise specified in these Bills of Quantities.		-
	GLAZING		
B	Where polished plate glass is specified, this refers to general glazing quality.		
	Prices for glazing shall include for priming of rebates before placing putty.		
	The Contractor will be responsible for replacing any broken or scratched glass and handing over in perfect condition.		-
	PAINTING		
C	Painting shall be applied in accordance with the manufacturers' instructions.		
	Prices for painting are to include for scaffolding, preparatory work, priming coats, protection of other works and for cleaning up on completion. Prices for painting on galvanized metal are to include for mordant solution as necessary.		-
	Carried to Final Summary Ksh		
	Section No. 15 Bill No. 1 TRADE PREAMBLES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*		

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	SECTION 4				
	EARTH MOVEMENT GENERALLY				
	Relocation of the existing Services				
A	Provide labour material and equipment for the removal of the existing 45M security light complete with and including the reinforced concrete base and disconnecting power.		Item		
B	Provide labour material and equipment for the erection of 45m security light complete with and including construction of reinforced concrete base and connection of power to a location to be identified by the Client complete with and including testing and commissioning.		Item		
	Excavation and Earthworks				
	Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material				
C	Mass excavate to reduce levels in depths not exceeding 1.50 m from stripped level	**m3**	5,486		
D	Mass excavate to reduce levels in depths exeeding 1.50 m but not exceeding 3.0 m from stripped level	**m3**	5,486		
E	Mass excavate to reduce levels in depths exeeding 3.0 m but not exceeding 4.5 m from stripped level	**m3**	5,486		
F	Extra over excavations for excavating in soft rock	**m3**	3,658		
G	Extra over excavation for excavating in medium hard rock	**m3**	3,658		
H	Extra over excavation for excavating in hard rock	**m3**	3,658		
	Carried Forward			Ksh	

Section No. 16
Bill No. 1
EARTH MOVEMENTS GENERALLY
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Keeping excavations free of water				
	Planking and strutting				
A	Allow for maintaining and supporting sides of excavations and for keeping the same free from fallen materials		Item		
	Keeping excavations free of water				
B	Allow for keeping excavations free of water and mud by pumping, bailing or other approved means		Item		
	FILLINGS / DISPOSAL				
C	Return, fill and ram selected excavated material around foundations.	**m3**	4,901		
D	Load, wheel and deposit surplus excavated material away from site to Council dump sites complete with and including acquiring permits from the relevant authorities.	**m3**	16,459		
	Carried to Final Summary			Ksh	

Section No. 16
Bill No. 1
EARTH MOVEMENTS GENERALLY

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	SECTION 5				
	BASEMENT 4				
	ELEMENT 13				
	FLOOR BEDS (PROVISIONAL)				
	600 mm thick selected hand packed hardcore filling under:-				
A	Floor bed complete with and including compacting in layers not exceeding 150mm thick all to the approval of the Project Engineer.	**m2**	2,799		
	Anti- termite treatment				
B	Chemical anti-termite treatment executed complete by an approved specialist under a ten (10) year guarantee to surfaces of blinded hardcore	**m2**	2,799		
	Damp proof membrane				
C	1000 gauge polythene or other equal and approved damp proof membrane laid under surface bed with 300mm side and end laps (measured net - allow for laps)	**m2**	2,799		
	Mass concrete class 15 all as per the engineers approved trial mix in:-				
D	50 mm thick surface blinding under floor bed	**m2**	2,799		
	REINFORCED CONCRETE				
	Vibrated reinforced tamped concrete class 25 all as per the engineers approved trial mix in:-				
E	200mm thick floor bed	**m2**	2,799		
	Carried Forward			Ksh	

Section No. 17
Bill No. 1
(13) FLOOR BEDS

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Extra over surface bed for 800x200mm thicknessing to staircase base and edge of walls	**m**	18		
	WATER PROOFING				
B	Prepare and apply "Penetron" or other equal and approved waterproofing medium on lower surfaces of the floor bed complete with and including a 10 year guarantee	**m2**	2,799		
C	Extra over ditto for water bar bedded in concrete to the Engineer's detail.	**m**	297		
	REINFORCEMENT				
	Mesh fabric reinforcement to B.S. 4483 and setting in concrete with 300mm side and end laps (measured net allow for laps)				
D	Fabric mesh ref: A142 in floor bed	**m2**	2,799		
	SAWN FORMWORK TO:-				
E	Edges of 200 mm thick floor slab.	**m2**	45		
	Carried Forward to Summary of Section No. 17			Ksh	

Section No. 17
Bill No. 1
(13) FLOOR BEDS

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 14				
	LIFT SHAFT BASES (PROVISIONAL)				
	Excavation and Earthworks for lift pits				
	Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material				
A	Mass excavate to reduce levels in depths not exceeding 1.50 M from the reduced level for lift pits	**m3**	162		
B	Extra over all excavations for hard rock	**m3**	38		
	FILLINGS / DISPOSAL				
C	Load, wheel and deposit surplus excavated material away from site to Council dump sites complete with and including acquring permits from the relavant authorities.	**m3**	162		
	Selected excavated fill material in:-				
	300 mm thick selected hardcore filling under:-				
D	Lift base complete with and including compacting in layers not exceeding 150mm thick all to the approval of the Project Engineer.	**m2**	108		
	50mm Thick quarry dust blinding or other equal and approved to:-				
E	General surfaces of hardcore	**m2**	108		
	Carried Forward			Ksh	

Section No. 17
Bill No. 2
(14) LIFT SHAFT BASE
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Anti- termite treatment				
A	Chemical anti-termite treatment executed complete by an approved specialist under a ten (10) year guarantee to surfaces of blinded hardcore	**m2**	108		
	Damp proof membrane				
B	1000 gauge polythene or other equal and approved damp proof membrane laid under surface bed with 300mm side and end laps (measured nett- allow for laps)	**m2**	108		
	Mass concrete 1:4:8 in				
C	50mm thick surface blinding under lift base	**m2**	108		
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
D	550 mm thick lift base	**m3**	65		
E	200 mm thick lift shaft walling	**m2**	108		
	WATER PROOFING				
F	Prepare and apply "Penetron" or other equal and approved waterproofing medium on internal and external surfaces of Lift shaft walling	**m2**	108		
G	Ditto but lift base ditto	**m2**	108		
H	Extra over ditto for water bar bedded in concrete to the Engineer's detail.	**m**	72		
	Carried Forward			Ksh	

Section No. 17
Bill No. 2
(14) LIFT SHAFT BASE

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	REINFORCEMENT				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
A	T8 mm bars	**kg**	3,285		
B	T10mm bars	**kg**	3,285		
C	T12mm bars	**kg**	3,285		
D	T16mm bars	**kg**	3,285		
E	T20mm bars	**kg**	3,285		
F	T25mm bars	**kg**	3,285		
G	T32mm bars	**kg**	3,285		
	SAWN FORMWORK TO:-				
H	Edges of lift base exceeding 300 mm high	**m2**	43		
I	Sides of lift shaft walling	**m2**	108		
	Carried Forward to Summary of Section No. 17			Ksh	

Section No. 17
Bill No. 2
(14) LIFT SHAFT BASE

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 16				
	FOUNDATIONS (PROVISIONAL)				
	Mass concrete 1:4:8 in				
A	50mm Thick surface blinding under Raft base foundation	**m2**	3,379		
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 25 all as per the engineers approved trial mix in:-				
B	700mm Thick Raft Foundation	**m3**	2,366		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
C	T10mm bars	**kg**	25,165		
D	T16mm bars	**kg**	74,000		
E	T20mm bars	**kg**	187,660		
F	T25mm bars	**kg**	93,830		
	SAWN FORMWORK TO:-				
G	Vertical Sides of Raft Foundation	**m2**	244		
H	Ditto but curved ditto	**m2**	20		
	Carried Forward			Ksh	

Section No. 17
Bill No. 3
(16) FOUNDATIONS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	WATER PROOFING				
A	Prepare and apply "Penetron" or other equal and approved waterproofing medium on one surfaces of retaining wall complete with and including 10 year guarantee	**m2**	3,379		
B	Extra over ditto for 250 mm rubber water bar bedded in concrete to the Engineer's detail.	**m**	372		
	Provisional Sum				
C	Allow a provisonal sum of Kenya Shillings Seven million FIve Hundred Only (Kshs. 7,500,000.00) for the for additional substructure works as may arise to be remeasured upon completion.			SUM	
	Carried Forward to Summary of Section No. 17			Ksh	

Section No. 17
Bill No. 3
(16) FOUNDATIONS

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

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PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

SECTION SUMMARY - FOUNDATIONS

Bill No		*Page No*		*Amount Kshs*
1	(13) FLOOR BEDS	273		
2	(14) LIFT SHAFT BASE	276		
3	(16) FOUNDATIONS	278		
	Carried to Final Summary		Ksh	

Section No. 17

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 21				
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 25 all as per the engineers approved trial mix with cement grade 32.5 or other equal and approved in:-				
A	250 mm thick reinforced concrete retaining wall	**m2**	1,256		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T8 mm bars	**kg**	15,700		
C	T10mm bars	**kg**	15,700		
D	T12mm bars	**kg**	15,700		
	SAWN FORMWORK TO:-				
E	Vertical sides of 200 mm thick retaining wall	**m2**	1,256		
	Skin Wall				
F	200mm thick approved machine dressed natural stone walling bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course	**m2**	1,256		
	Carried Forward			Ksh	

Section No. 18
Bill No. 1
(21) EXTERNAL WALLING

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	WATER PROOFING				
A	Prepare and apply "Penetron" or other equal and approved waterproofing medium on one surfaces of retaining wall complete with and including 10 year guarantee	**m2**	1,256		
	Carried Forward to Summary of Section No. 18			Ksh	

Section No. 18
Bill No. 1
(21) EXTERNAL WALLING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 22				
	INTERNAL WALLS				
A	200mm thick approved machine cut walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	2,324		
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
B	250 mm thick reinforced concrete lift shaft wall	**m2**	171		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
C	T8 mm bars	**kg**	2,200		
D	T12mm bars	**kg**	4,480		
E	T16mm bars	**kg**	690		
	SAWN FORMWORK TO:-				
F	Vertical sides of 250 mm thick Lift shaft wall	**m2**	343		
	Carried Forward to Summary of Section No. 18			Ksh	
	Section No. 18 Bill No. 2 (22) INTERNAL WALLS *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 23				
	SUSPENDED SLABS (Floor to floor Height 4200mm)				
	Vibrated reinforced concrete class 25 all as per the engineers approved trial mix in:-				
A	175 mm thick suspended slab with an average of 4200mm ceiling height.	**m2**	3,239		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T10mm bars	**kg**	7,550		
C	T12mm bars	**kg**	34,300		
D	T16mm bars (Strong Band)	**kg**	35,000		
	SAWN FORMWORK TO:-				
	Steel plate or maline ply formwork to produce a fair finish to the overall soffits of the slab.				
E	Soffits of 175 mm thick floor slabs with an average of 4200mm ceiling height.	**m2**	3,239		
F	Edges of suspended slab (225 - 300 mm wide)	**m**	323		
	Carried Forward to Summary of Section No. 18			Ksh	
	Section No. 18 Bill No. 3 (23) SUSPENDED SLABS *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 24				
	STAIRCASE				
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
A	Waist and steps	**m3**	40		
B	175mm thick landing	**m2**	46		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
C	T8 mm bars	**kg**	1,100		
D	T10mm bars	**kg**	1,100		
E	T12mm bars	**kg**	1,100		
F	T16mm bars	**kg**	1,100		
	Maline ply; steel plate or other equal and approved formwork to:-				
G	Soffits of landing	**m2**	46		
H	Sloping soffits of stairs	**m2**	120		
I	Edges of risers over 75mm but not exceeding 150mm high	**m**	400		
	Carried Forward			Ksh	

Section No. 18
Bill No. 4
(24) STAIRCASE
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Edges of landing over 225mm but not exceeding 300mm high	**m**	55		
B	Open string 300mm high (maximum) including forming profile for treads and risers	**m**	104		
	Carried Forward to Summary of Section No. 18			Ksh	

Section No. 18
Bill No. 4
(24) STAIRCASE

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 28				
	FRAME				
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
A	Columns	**m3**	140		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T8 mm bars	**kg**	2,175		
C	T20mm bars	**kg**	13,510		
	SAWN FORMWORK TO:-				
D	Vertical sides of columns	**m2**	770		
E	Vertical sides of 600 mm dia circular columns	**m2**	357		
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
F	Beams	**m3**	237		
	REINFORCEMENT				
	Carried Forward			Ksh	

Section No. 18
Bill No. 5
(28) FRAME
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
A	T8 mm bars	**kg**	7,900		
B	T16mm bars	**kg**	14,285		
C	T25mm bars	**kg**	43,809		
D	T32mm bars	**kg**	130,476		
	SAWN FORMWORK TO:-				
E	Sides and soffits of beams	**m2**	1,914		
	Carried Forward to Summary of Section No. 18			Ksh	

Section No. 18
Bill No. 5
(28) FRAME
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 31				
	EXTERNAL OPENINGS				
	The following in 10mm thick approved colour laminated cool-lite solar glass glazing windows complete with and including permanent vent with mosquito qauge in structural invisible bronze powder coated aluminium framing mounted all as per the fabricators detail but subject to Architects approval. (Works to be executed by an approved domestic subcontractor)				
A	Window over all size 4750x4200 mm high comprising 5 No equal bottom fixed lights each size 950x1050 mm high; 10 No equal intermediate top hung openable lights each size 950x1250 mm high; 5 No equal top fixed lights each size 950x650 mm high.	**No**	35		
	Window Boards				
	Wrot Mahogany				
B	250mm x 50mm window board with 1 No. labours plugged	**m**	177		
C	12mm diameter quadrant beading, plugged	**m**	177		
	Precast concrete weathered and throated window cills				
D	Window cill over all size 275 x 100 mm high with 3 No labour.	**m**	177		
	Painting and Decorating				
	Prepare and apply one coat aluminium wood primer on back of timber from Crown-Berger (K) Limited or other equal and approved manufacturer before fixing				
E	Surfaces over 200mm but not exceeding 300mm girth	**m**	177		
	Carried Forward			Ksh	

Section No. 18
Bill No. 6
(31) EXTERNAL OPENING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Ditto not exceeding 100mm girth	**m**	177		
	Knot, Prime, Stop, prepare and apply three coats "Two Pack" varnish from Crown-Berger (K) Limited or other equal and approved manufacturer on timber surfaces				
B	Over 200mm but not exceeding 300mm girth	**m**	177		
C	Ditto not exceeding 100mm girth	**m**	177		
	Carried Forward to Summary of Section No. 18			Ksh	
	Section No. 18 Bill No. 6 (31) EXTERNAL OPENING *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 32				
	INTERNAL OPENINGS				
	DOORS				
	Metal Casement Doors				
	Supply and fix the following steel casement door fabricated from 50mm x 50 mm x 3mm thick Rectangular Hollow Section (R.H.S) mild steel framing infilled with 3 mm thick mild steel sheet factory primed in red oxide or zinc chromate primer complete with all necessary purpose made ironmongery to Architect's details and approval				
A	Double leaf single swing purpose made louvered door size 2400 x 2400 mm high with 100 x 50 x 2 mm thick RHS frame and 50 x 50 x 2 mm RHS door leaf frame complete with 50 x 2 mm thick mild steel flats to permanent vent louvers welded as shown and painted; padlock hasp and 60 mm tri circle padlock all as per the Architects detail and approval. (D10)	**No**	3		
B	Double leaf single swing purpose made louvered door size 3900 x 2400 mm high with 100 x 50 x 2 mm thick RHS frame and 50 x 50 x 2 mm RHS door leaf frame complete with 50 x 2 mm thick mild steel flats with two labour at 50 mm C/C to permanent vent louvers welded as shown and painted; padlock hasp and 60 mm tri circle padlock all as per the Architects detail and approval.	**No**	2		
	Touch up primer ,prepare and apply two undercoats and one finishing coat gloss paint on metal work				
C	General surfaces of metal doors	**m2**	35		
	TIMBER DOORS (Provisional)				
	Carried Forward			Ksh	

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Wrot hardwood				
A	15mm Quadrant	**m**	419		
B	40x12mm Architrave	**m**	419		
C	250x50mm Frame with four labours	**m**	419		
	Wrot Mahogany panel door				
D	45 mm thick mahogany panel double door overall size 1000 x 2700 mm high comprising of a single openable leaf overall size 1000x2400mm high and 5 mm thick glazed fanlight overall size 1000x300 mm high all as per the Architects detail. (General Office Door)	**No**	20		
E	45 mm thick mahogany panel double door overall size 1800 x 2700 mm high comprising of 2No equal openable leaves each overall size 900x2400mm high and 2No equal fixed lights in 5 mm thick glazed fanlight overall size 900x300 mm high all as per the Architects detail.	**No**	22		
	Solid Core Flush Door				
	The following in 45 mm thick scratch proof embossed mahogany veneered Doors with hardwood lipping all round as per an approved supplier catalogue and to the architects detail and approval.				
F	Single leaf single swing door overall size 900mm x 2400 mm high having 1 No openable leave size 900 x 2100 mm high and one fixed light size 900 x 300 mm high as per the Architects detail (Toilet Doors)	**No**	10		
	Carried Forward			Ksh	

Section No. 18
Bill No. 7
(32) INTERNAL OPENING

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Supply and fix the following ironmongery with screws to match (Ref. is to Union Catalogue or other equal and approved)				
A	100mm brass butt hinges with steel screws	**Pairs**	111		
B	3-Lever rebated mortice lock complete with satin finished lever handles	**No**	19		
C	3-Lever mortice lock complete with satin finished lever handles	**No**	30		
D	Rubber door stop fixed to concrete floor,or masonry walling with and including 38mm rawl bolt	**No**	74		
	("Crown") aluminium or other equal and approved wood primer				
E	Back of wood surface exceeding 100mm girth but not exceeding 200mm girth	**m**	1,170		
	Prepare and apply three coats 'crown' or other similar and approved polyurethane clear varnish on:-				
F	General surfaces	**m2**	280		
G	Ditto over 200mm but not exceeding 300mm girth	**m**	1,170		
	Carried Forward			Ksh	

Section No. 18
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Frameless Glass Doors:				
A	Fabrication and installation of double leaf frameless glass doors overall size 2800x4200 mm high consisting of 18 thick clear toughened glass and providing & fixing with DORMA make PT ST AN OARD Patch fittings such as Top pivot(PT34), top patch(PT20), Bottom Patch (PTlO), Corner Lock with EPC(US 10), Lock keeper plate, SS finish "D" shape Pull Handle 300mm x 22mm(TGDI 300225) and double action floor spring B1S75v.and making necessary holes etc. for fixing required door fittings, all complete as per approved drawings and to the salisfaction of Architect /Engineer-inCharge.	**No**	2		
	Fire Door				
B	Supply and fix approved quality double leaf fire door rated FD90 overall size 900x2400 high compliant to BS 476 part 22 complete with and including the door frame and all the necessary recommened Door closers, seals and ironmongery all the Architects detail and aproval.	**No**	4		
	Pre-cast Concrete				
C	200x450x1500 mm long precast concrete class 25 lintels comprising of 4 N0 D12 main bars and rings in D8 at 150mm C/C all as per the Engineers detail and approval	**No**	49		
	Carried Forward to Summary of Section No. 18			Ksh	

Section No. 18
Bill No. 7
(32) INTERNAL OPENING

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 41				
	EXTERNAL WALL FINISHES				
	12mm thick gauged cement, lime putty and sand (1:2:9) plaster to:-				
A	Masonry or concrete surfaces	**m2**	953		
	Painting and Decorating with "Dura coat" or other equal and approved product (s)				
	Prepare and apply a coat of Acrylic Siloxanic KP1 1.5 mm Anti-mould Anti Algae Textured wall Coating on:-				
B	Plastered surfaces	**m2**	953		
	Carried Forward to Summary of Section No. 18			Ksh	

Section No. 18
Bill No. 8
(41) EXTERNAL WALL FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 42				
	INTERNAL WALL FINISHES				
	12mm thick gauged cement, lime putty and sand (1:2:9) plaster to:-				
A	Masonry or concrete surfaces	**m2**	4,648		
	Painting and Decorating with "Basco Paints" or other equal and approved product (s)				
	Prepare and apply three coats silk vinyl paint from Basco Paints or other equal and approved manufacturer on:-				
B	Plastered surfaces	**m2**	4,648		
	Superior Quality Granitto Wall Tiles				
C	15mm thick backing prepared to receive granite tiles (measured separately)	**m2**	465		
	Superior Quality 600 x 300 Ceramic wall tiles as per as per tile and carpet catalogue or other eaual and approved				
D	Supply and fix approved quality 6 mm thick coloured ceramic wall tiles fixed on screed (measured separately) with an approved adhesive including pointing in white cement (Possible tile codes shall be 9632 or SM1or 9544 or SM10 or 9564 or 9564)	**m2**	303		
	Superior Quality Matt Granite Wall Tiles				
E	300 x 600 x 25mm thick superior quality matt finished granite Wall tiles as per tile and carpet catalogue including pointing in coloured cement	**m2**	161		
	Carried Forward			Ksh	

Section No. 18
Bill No. 9
(42) INTERNAL WALL FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Feature Wall				
A	Allow a provisional sum of Kenya Shillings Seven Hundred and Fifty thousands (Kshs 750,000.00) Only for Works associated with feature wall all to the Architects detail and approval.			SUM	
	Carried Forward to Summary of Section No. 18			Ksh	
	Section No. 18 Bill No. 9 (42) INTERNAL WALL FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 43				
	FLOOR FINISHES				
	Cement and sand (1:4) hardened screed in:-				
A	32mm steel trowelled screed to receive terrazzo floor finish	**m2**	393		
	Chequered terrazo				
B	22 mm thick approved colour Insitu chequered terrazo with graded marble chips of size up to 6 mm in floors complete with and including dividing strips at 1500 mm C/C both ways, rubbing and polishing to the project managers approval (Storage, Workshop & Stores)	**m2**	393		
C	Ditto but 150 mm high skirting ditto	**m**	275		
	Cement and sand (1:4) hardened screed in:-				
D	32mm thick tempered concrete (Off-loading Zone, Plant room,Genset & Swich room)	**m2**	401		
E	Ditto but 150 mm high skirting ditto	**m**	275		
	Cement and sand (1:4) screed in:-				
F	32mm steel trowelled screed to receive Ceramic floor tiles	**m2**	137		
	Superior Quality Matt Ceramic Floor Tiles				
G	300 x 600 x 8mm thick coloured non-slip ceramic floor tiles as per tile and carpet catalogue including pointing in coloured cement. (Tea Rooms, Changing rooms & Toilets) (possible tile codes as per tile and carpet catalogue or other equal and equivalent 9634; 9542; 9565; 9566)	**m2**	137		
	Carried Forward			Ksh	

Section No. 18
Bill No. 10
(43) FLOOR FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Cement and sand (1:4) screed in:-				
A	32mm steel trowelled screed to receive ceramic floor tiles	**m2**	2,449		
	Granitto Tiles				
B	600x300x12mm thick superior quality matt finished granito floor tiles as per tile and carpet catalogue including pointing in coloured cement (Possible codes include D3401; D3403; D3404; D6057)	**m2**	2,449		
	Carried Forward to Summary of Section No. 18			Ksh	
	Section No. 18 Bill No. 10 (43) FLOOR FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 44				
	STAIR CASE FINISHES				
	32mm thick cement sand (1:4) screed in:				
A	Landing	**m2**	46		
B	Closed strings 300mm high	**m**	78		
C	300mm wide treads	**m**	334		
D	165mm high risers	**m**	334		
	Approved Superior Quality Granite Floor Tiles				
E	300 x 600 x 25mm thick matt and seamless fininished granite floor tiles to the Architect Approval	**m2**	46		
F	Ditto 300mm high closed strings cut to stairs profile	**m**	78		
G	Ditto in 300 mm wide treads including non-slip grooves	**m**	334		
H	Ditto edges of risers 165mm high risers	**m**	334		
I	Ditto 100mm high skirting	**m**	55		
	12mm thick gauged 1:2:9 render in:-				
J	Horizontal soffits of landing	**m2**	46		
K	Sloping soffits of stairs	**m2**	90		
	Painting and Decorating				
	Prepare and apply three coats plastic emulsion paint to:-				
L	Rendered concrete surfaces	**m2**	135		
	Carried Forward			Ksh	

Section No. 18
Bill No. 11
(44) STAIR FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Wrot Prime Grade Cypress				
A	75x50 mm wrot prime grade cypress timber slats plugged to sloping soffits of plastered surfaces at 100 mm C/C complete with and including three coats of stained polyurethane wood furnish all to the architects detail and approval.	**m**	1,296		
	Staircase and Ramp Balustrades				
	The following in stainless steel sections`				
B	50 mm diameter 3mm thick CHS handrail welded to balusters (measured separately) to approval	**m**	33		
C	50 mm diameter 3mm thick CHS handrail welded to brackets plugged into wall to approval	**m**	33		
D	50 x 20 x 1.5 mm thick RHS bottom and top rail welded to balusters (measured separately) to approval	**m**	65		
E	35mm diameter 2mm Thick CHS balusters one end grouted onto concrete treads and other end welded to 50 mm diameter x 2 mm thick handrail (measured separately)	**m**	36		
F	Extra over ditto for 150 mm diameter 6 mm thick stainless steel baseplate machined as per the architects detail and approval.	**No**	36		
G	6 mm thick laminated blue tinted glass over all size 900 x 580 mm high fix with and including 10 x 10 x 1.5 mm thick RHS glazing beads all round all as per the Architects detail and approval.	**No**	36		
	Carried Forward to Summary of Section No. 18			Ksh	
	Section No. 18 Bill No. 11 (44) STAIR FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 45				
	CEILING FINISHES				
	Acoustic Ceiling				
	Acoustic suspended ceiling, laid in T-grid system to manufacturer's specifications: patterned as per Architects details. Panels and tile to Architect's approval size 600 x 600mm fixed with approved hangers placed at centres as recommended by manufacturer (s)				
A	Ditto but as Armstrong or other equal and approved mineral fibre acoustic ceiling lining tiles	**m2**	2,943		
	Carried Forward to Summary of Section No. 18			Ksh	

Section No. 18
Bill No. 12
(45) CEILING FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 74				
	SANITARY FIXTURES				
A	Provide material and labour for fabrication of a Vanity tops for a 4 No counter sink wash hand basin over all size 3900 mm long 600 mm wide composed of 25 mm thick approved granite top back flush and fascia mounted on 75 mm reinforced concrete base supported by 100 mm thick walling.	**No**	6		
	KITCHEN FIXTURES				
B	Provide material and labour for fabricating of a kitchennate work top single drain single bowl stainless steel sink over all size 2400 mm long 600 mm wide composed of 25 mm thick approved granite top and fascia mounted on 75 mm reinforced concrete base supported by 100 mm thick walling.	**No**	2		
	STORAGE FIXTURES				
C	Allow a provisonal sum of Kenya Shillings One million (Kshs. 1,000,000.00) for the fabrication of 4No staff storage lockers to the Architects detail and approval.			SUM	
	Carried Forward to Summary of Section No. 18			Ksh	

Section No. 18
Bill No. 13
(70) BUILDING FIXTURES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

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PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

SECTION SUMMARY - LOWER GROUND FLOOR

Bill No		*Page No*		*Amount Kshs*
1	(21) EXTERNAL WALLING	281		
2	(22) INTERNAL WALLS	282		
3	(23) SUSPENDED SLABS	283		
4	(24) STAIRCASE	285		
5	(28) FRAME	287		
6	(31) EXTERNAL OPENING	289		
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10	(43) FLOOR FINISHES	298		
11	(44) STAIR FINISHES	300		
12	(45) CEILING FINISHES	301		
13	(70) BUILDING FIXTURES	302		

Carried to Final Summary Ksh

Section No. 18

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	SECTION 11				
	TYPICAL FLOOR (2 - 6)				
	ELEMENT 21				
A	200mm thick approved machine cut walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	273		
	Carried Forward to Summary of Section No. 19			Ksh	
	Section No. 19 Bill No. 1 (21) EXTERNAL WALLING *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 22				
	INTERNAL WALLS				
A	200mm thick approved machine cut walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	2,401		
B	150 mm thick ditto	**m2**	525		
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
C	250 mm thick reinforced concrete lift shaft walling	**m2**	171		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
D	T8 mm bars	**kg**	2,200		
E	T12mm bars	**kg**	4,480		
F	T16mm bars	**kg**	690		
	SAWN FORMWORK TO:-				
G	Vertical sides of 200 mm thick retaining wall	**m2**	343		
	Carried Forward to Summary of Section No. 19			Ksh	
	Section No. 19 Bill No. 2 (22) INTERNAL WALLS *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 23				
	SUSPENDED SLABS				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
A	175 mm thick suspended slab with an average of 4200mm ceiling height.	**m2**	2,901		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T10mm bars	**kg**	8,174		
C	T12mm bars	**kg**	37,525		
D	T16mm bars (Strong Band)	**kg**	35,000		
	SAWN FORMWORK TO:-				
	Steel plate or maline ply formwork to produce a fair finish to the overall soffits of the slab.				
E	Soffits of 175 mm thick floor slabs with an average of 4200mm ceiling height.	**m2**	2,901		
F	Edges of suspended slab (225 - 300 mm wide)	**m**	323		
G	Ditto but curved ditto	**m**	115		
	Carried Forward to Summary of Section No. 19			Ksh	
	Section No. 19 Bill No. 3 (23) SUSPENDED SLABS *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 24				
	STAIRCASE				
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
A	Waist and steps	**m3**	40		
B	175mm thick landing	**m2**	46		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
C	T8 mm bars	**kg**	1,100		
D	T10mm bars	**kg**	1,100		
E	T12mm bars	**kg**	1,100		
F	T16mm bars	**kg**	1,100		
	Maline ply; steel plate or other equal and approved formwork to:-				
G	Soffits of landing	**m2**	46		
H	Sloping soffits of stairs	**m2**	120		
I	Edges of risers over 75mm but not exceeding 150mm high	**m**	400		
	Carried Forward			Ksh	

Section No. 19
Bill No. 4
(24) STAIRCASE

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Edges of landing over 225mm but not exceeding 300mm high	**m**	55		
B	Open string 300mm high (maximum) including forming profile for treads and risers	**m**	104		
	Carried Forward to Summary of Section No. 19			Ksh	

Section No. 19
Bill No. 4
(24) STAIRCASE

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 28				
	FRAME				
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
A	Columns	**m3**	140		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile ribbed steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T8 mm bars	**kg**	2,175		
C	T20mm bars	**kg**	13,510		
	Maline ply; steel plate or other equal and approved formwork to:-				
D	Vertical sides of columns	**m2**	770		
E	Vertical sides of 600 mm dia circular columns	**m2**	357		
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
F	Beams	**m3**	321		
G	Isolated Fascia Beam	**m3**	147		
	REINFORCEMENT				
	Carried Forward			Ksh	

Section No. 19
Bill No. 5
(28) FRAME
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Mild steel reinforcement in structural concrete work				
	High tensile ribbed steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
A	T8 mm bars	**kg**	7,900		
B	T16mm bars	**kg**	14,285		
C	T25mm bars	**kg**	43,809		
D	T32mm bars	**kg**	130,476		
	Maline ply; steel plate or other equal and approved formwork to:-				
E	Sides and soffits of beams	**m2**	1,914		
F	Sides and soffits of a curced beams	**m2**	583		
	Carried Forward to Summary of Section No. 19			Ksh	

Section No. 19
Bill No. 5
(28) FRAME

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 31				
	EXTERNAL OPENINGS				
	The following in 10mm thick approved colour laminated cool-lite solar glass glazing windows complete with and including permanent vent with mosquito qauge in structural invisible bronze powder coated aluminium framing mounted all as per the fabricators detail but subject to Architects approval. (Works to be executed by an approved domestic subcontractor)				
A	Window over all size 7800x4200 mm high comprising 8 No equal bottom fixed lights each size 975x1050 mm high; 16 No equal intermediate top hung openable lights each size 975x1250 mm high; 8 No equal top fixed lights each size 975x650 mm high.	**No**	2		
B	Window over all size 3900x4200 mm high comprising 4 No equal bottom fixed lights each size 975x1050 mm high; 8 No equal intermediate top hung openable lights each size 975x1250 mm high; 4 No equal top fixed lights each size 950x650 mm high.	**No**	2		
C	Window over all size 4550x4200 mm high comprising 5 No equal bottom fixed lights each size 910x1050 mm high; 10 No equal intermediate top hung openable lights each size 910x1250 mm high; 5 No equal top fixed lights each size 910x650 mm high.	**No**	7		
D	Window over all size 5200x4200 mm high comprising 6 No equal bottom fixed lights each size 866x1050 mm high; 12 No equal intermediate top hung openable lights each size 866x1250 mm high; 6 No equal top fixed lights each size 866x650 mm high.	**No**	12		
	Carried Forward			Ksh	

Section No. 19
Bill No. 6
(31) EXTERNAL OPENING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Window over all size 5500x4200 mm high comprising 6 No equal bottom fixed lights each size 915x1050 mm high; 12 No equal intermediate top hung openable lights each size 915x1250 mm high; 6 No equal top fixed lights each size 915x650 mm high.	**No**	6		
B	Window over all size 10400x4200 mm high comprising 11 No equal bottom fixed lights each size 945x1050 mm high; 22 No equal intermediate top hung openable lights each size 945x1250 mm high; 11 No equal top fixed lights each size 945x650 mm high.	**No**	2		
C	Window over all size 8950x4200 mm high comprising 9 No equal bottom fixed lights each size 995x1050 mm high; 18 No equal intermediate top hung openable lights each size 995x1250 mm high; 9 No equal top fixed lights each size 995x650 mm high.	**No**	2		
D	Window over all size 2600x4200 mm high comprising 3 No equal bottom fixed lights each size 865x1050 mm high; 6 No equal intermediate top hung openable lights each size 865x1250 mm high; 3 No equal top fixed lights each size 865x650 mm high.	**No**	4		
E	Window over all size 1950x4200 mm high comprising 2 No equal bottom fixed lights each size 975x1050 mm high; 4 No equal intermediate top hung openable lights each size 975x1250 mm high; 2 No equal top fixed lights each size 975x650 mm high.	**No**	16		
F	Window over all size 9200x4200 mm high comprising 10 No equal bottom fixed lights each size 910x1050 mm high; 20 No equal intermediate top hung openable lights each size 910x1250 mm high; 10 No equal top fixed lights each size 910x650 mm high.	**No**	1		
	Window Boards				
	Carried Forward			Ksh	

Section No. 19
Bill No. 6
(31) EXTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Wrot Mahogany				
A	250mm x 50mm window board with 1 No. labours plugged	**m**	523		
B	12mm diameter quadrant beading, plugged	**m**	523		
	Precast concrete weathered and throated window cills				
C	Window cill over all size 275 x 100 mm high with 3 No labour.	**m**	523		
	Painting and Decorating				
	Prepare and apply one coat aluminium wood primer on back of timber from Crown-Berger (K) Limited or other equal and approved manufacturer before fixing				
D	Surfaces over 200mm but not exceeding 300mm girth	**m**	523		
E	Ditto not exceeding 100mm girth	**m**	523		
	Knot, Prime, Stop, prepare and apply three coats "Two Pack" varnish from Crown-Berger (K) Limited or other equal and approved manufacturer on timber surfaces				
F	Over 200mm but not exceeding 300mm girth	**m**	523		
G	Ditto not exceeding 100mm girth	**m**	523		
	Carried Forward			Ksh	

Section No. 19
Bill No. 6
(31) EXTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Frameless Glass Doors:				
A	Design, fabrication and installation of frameless glass doors overall size 1500x4200 mm high consisting of 18 thick clear toughened glass and providing & fixing with DORMA make PT ST AN OARD Patch fittings such as Top pivot(PT34), top patch(PT20), Bottom Patch (PTlO), Corner Lock with EPC(US 10), Lock keeper plate, SS finish "D" shape Pull Handle 300mm x 22mm(TGDI 300225) and double action floor spring B1S75v.and making necessary holes etc. for fixing required door fittings, all complete as per approved drawings and to the salisfaction of Architect /Engineer-inCharge.	**No**	8		
	Aluminium Sunshading Devices				
B	Supply and fix 2000x4200mm high Aluminium sunshading devise comprising of 50x120x2.1 mm thick Aluminium Rectangular Hollow Section (ARHS) Weighing 2.03KG/LM framing and 50x120x2.1mm thick ARHS hollizontal slats at 350 mm C/C all reveted or bolted together as per the Architects detail and approval.	**No**	287		
	Carried Forward to Summary of Section No. 19			Ksh	

Section No. 19
Bill No. 6
(31) EXTERNAL OPENING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 32				
	INTERNAL OPENINGS				
	DOORS				
	TIMBER DOORS (Provisional)				
	Wrot hardwood (Mahogany)				
A	15mm Quadrant	**m**	526		
B	40x12mm Architrave	**m**	526		
C	225x50mm Frame with four labours	**m**	526		
	Wrot Mahogany pannel door				
D	45 mm thick mahogany panel double door overall size 1000 x 2700 mm high comprising of a single openable leaf overall size 1000x2400mm high and 5 mm thick glazed fanlight overall size 1000x300 mm high all as per the Architects detail. (General Office Door)	**No**	42		
E	45 mm thick mahogany panel double door overall size 1800 x 2700 mm high comprising of 2No equal openable leaves each overall size 900x2400mm high and 2No equal fixed lights in 5 mm thick glazed fanlight overall size 900x300 mm high all as per the Architects detail.	**No**	4		
	Solid Core Flush Doors				
	Carried Forward			Ksh	

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	The following in 45 mm thick scratch proof embossed mahogany veneered Doors with hardwood lipping all round as per an approved supplier catalogue and to the architects detail and approval.				
A	Single leaf single swing door overall size 900mm x 2400 mm high having 1 No openable leave size 900 x 2100 mm high and one fixed light size 900 x 300 mm high as per the Architects detail (Toilet Doors)	**No**	27		
	Supply and fix the following ironmongery with screws to match (Ref. is to Union Catalogue or other equal and approved)				
B	100mm stainless steel butt hinges with steel screws	**Pairs**	120		
C	2-Lever mortice lock complete with aluminium lever handles	**No**	25		
D	3-Lever mortice lock complete with aluminium lever handles	**No**	45		
E	3-Lever rebated mortice lock complete with aluminium lever handles	**No**	5		
F	Rubber door stop fixed to concrete floor,or masonry walling with and including 38mm rawl bolt	**No**	80		
G	Female / Male sign (Union 5692)	**No**	10		
H	Kick plate 1200 x 450 x 2 mm thick	**Pairs**	10		
I	Surface mounted panic bolts for single door type briton 373 and fitted with cylinder key locking attachment to match	**No**	2		
J	Door closer type briton 2003	**No**	10		
	Carried Forward			Ksh	

Section No. 19
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Indicator bolts (union 8094)	**No**	25		
	("Crown") aluminium or other equal and approved wood primer				
B	Back of wood surface exceeding 100mm girth but not exceeding 200mm girth	**m**	600		
	Prepare and apply three coats 'crown' or other similar and approved polyurethane clear varnish on:-				
C	General surfaces	**m2**	302		
D	Ditto over 200mm but not exceeding 300mm girth	**m**	1,800		
	Carried Forward			Ksh	

Section No. 19
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	DUCT DOORS				
	Supply and fix the following 20 mm thick (finished) particle board doors faced on both sides with postformed laminate to the Architect's details				
A	Double leaf single swing door overall size 800mm x 2800 mm high	**No**	22		
	Wrot Hardwood (Mahogany)				
B	15mm Quadrant	**m**	100		
C	40x12mm Architrave	**m**	100		
D	250x50mm Frame with four labours	**m**	100		
	Supply and fix the following ironmongery with screws to match (Ref. is to Union Catalogue or other equal and approved)				
E	100mm steel butt hinges with steel screws	**Pairs**	66		
F	3-Lever mortice lock complete with aluminium lever handles	**No**	22		
G	300 x 10 mm dia stainless steel D Handles.	**No**	44		
H	300x100x3 mm thick plate with maximum 15 letter word engraving on the surface.	**No**	22		
	("Crown") aluminium or other equal and approved wood primer				
I	Back of wood surface exceeding 100mm girth but not exceeding 200mm girth	**m**	100		
	Carried Forward			Ksh	

Section No. 19
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Prepare and apply three coats 'crown' or other similar and approved polyurethane clear varnish on:-				
	General surfaces	**m2**	100		
A	Ditto over 200mm but not exceeding 300mm girth	**m**	300		
	Frameless Glass Doors:				
B	Fabrication and installation of double leaf frameless glass doors overall size 1800x4200 mm high consisting of 18 thick clear toughened glass and providing & fixing with DORMA make PT ST AN OARD Patch fittings such as Top pivot(PT34), top patch(PT20), Bottom Patch (PTlO), Corner Lock with EPC(US 10), Lock keeper plate, SS finish "D" shape Pull Handle 300mm x 22mm(TGDI 300225) and double action floor spring B1S75v.and making necessary holes etc. for fixing required door fittings, all complete as per approved drawings and to the salisfaction of Architect /Engineer-inCharge.	**No**	2		
	Fire Door				
C	Supply and fix approved quality double leaf fire door rated FD90 overall size 900x2400 high compliant to BS 476 part 22 complete with and including the door frame and all the necessary recommened Door closers, seals and ironmongery all the Architects detail and aproval.	**No**	2		
	Pre-cast Concrete				
D	200x450x1500 mm long precast concrete class 25 lintels comprising of 4 N0 D12 main bars and rings in D8 at 150mm C/C all as per the Engineers detail and approval	**No**	73		
	Carried Forward to Summary of Section No. 19			Ksh	

Section No. 19
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 32				
	BALUSTRADES				
	The following in stainless steel sections				
A	50 mm diameter 3mm thick CHS handrail welded to balusters (measured separately) to approval	**m**	135		
B	50 mm diameter 3mm thick CHS handrail welded to brackets plugged into wall to approval	**m**	135		
C	50 x 20 x 1.5 mm thick RHS bottom and top rail welded to balusters (measured separately) to approval	**m**	270		
D	35mm diameter 2mm Thick CHS balusters one end grouted onto concrete treads and other end welded to 50 mm diameter x 2 mm thick handrail (measured separately)	**m**	165		
E	Extra over ditto for 150 mm diameter 6 mm thick stainless steel baseplate machined as per the architects detail and approval.	**No**	213		
F	6 mm thick laminated blue tinted glass over all size 900 x 1100 mm high fix with and including 10 x 10 x 1.5 mm thick RHS glazing beads all round all as per the Architects detail and approval.	**No**	213		
	Carried Forward to Summary of Section No. 19			Ksh	

Section No. 19
Bill No. 8
(34) BALUSTRADES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 41				
	EXTERNAL WALL FINISHES				
	12mm thick gauged cement, lime putty and sand (1:2:9) plaster to:-				
A	Masonry or concrete surfaces	**m2**	953		
	Painting and Decorating with "Dura coat" or other equal and approved product (s)				
	Prepare and apply a coat of Acrylic Siloxanic KP1 1.5 mm Anti-mould Anti Algae Textured wall Coating on:-				
B	Plastered surfaces	**m2**	953		
	Carried Forward to Summary of Section No. 19			Ksh	

Section No. 19
Bill No. 9
(41) EXTERNAL WALL FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 42				
	INTERNAL WALL FINISHES				
	12mm thick gauged cement, lime putty and sand (1:2:9) plaster to:-				
A	Masonry or concrete surfaces	**m2**	3,448		
	Painting and Decorating with "Basco Paints" or other equal and approved product (s)				
	Prepare and apply three coats silk vinyl paint from Basco Paints or other equal and approved manufacturer on:-				
B	Plastered surfaces	**m2**	3,448		
	CERAMIC WALL TILES				
	Cement and sand (1:4) in:-				
C	15mm thick backing prepared to receive ceramic tiles (measured separately)	**m2**	766		
	Ceramic wall tiles as per Saj Ceramic Tiles catalogue or other eaual and approved				
D	Supply and fix approved quality 6 mm thick coloured ceramic wall tiles fixed on screed (measured separately) with an approved adhesive including pointing in white cement	**m2**	766		
	SUPERIOR QUALITY GRANITE WALL TILES				
E	25mm thick backing prepared to receive granite tiles (measured separately)	**m2**	174		
	Carried Forward			Ksh	

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Superior Quality 300 x 300 Granite wall tiles as per as per tile and carpet catalogue or other eaual and approved				
A	600 x 300 x 12mm thick superior quality matt finished granito wall tiles as per tile and carpet catalogue including pointing in coloured cement	**m2**	174		
	Feature Wall				
B	Allow a provisional sum of Kenya Shillings One Seven Hundred and Fifty thousands (Kshs 1,500,000.00) Only for Works associated with feature wall all to the Architects detail and approval.			SUM	
	Carried Forward to Summary of Section No. 19			Ksh	

Section No. 19
Bill No. 10
(42) INTERNAL WALL FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 43				
	FLOOR FINISHES				
	Cement and sand (1:4) screed in:-				
A	32 mm steel trowelled screed to receive ceramic tiles ditto	**m2**	366		
	Ceramic Tiles				
B	300 x 600 x 8mm thick coloured non-slip ceramic floor tiles as per tile and carpet catalogue including pointing in coloured cement. (Possible tile codes as per tile and carpet catalogue or other equal and equivalent 9634; 9542; 9565; 9566)	**m2**	366		
	Cement and sand (1:4) screed in:-				
C	32mm thick ditto granite floor tiles ditto	**m2**	509		
	Superior Quality Matt Granite Floor Tiles				
D	300 x 600 x 25mm thick superior quality matt finished granite floor tiles as per tile and carpet catalogue including pointing in coloured cement	**m2**	509		
	Cement and sand (1:4) screed in:-				
E	32mm thick ditto granito floor tiles ditto	**m2**	2,346		
	Superior Quality Granitto Floor Tiles				
F	600x300x12mm thick superior quality matt finished granito floor tiles as per tile and carpet catalogue including pointing in coloured cement (Possible codes include D3401; D3403; D3404; D6057)	**m2**	2,346		
	Carried Forward			Ksh	

Section No. 19
Bill No. 11
(43) FLOOR FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Cement and sand (1:4) screed in:-				
A	32mm thick ditto carper floor tiles ditto	**m2**	317		
	Superior quality flocked carpet Floor Tiles				
B	Providing and Fixing of Flocked Carpet tile flooring having a density of 70 million fibers of nylons 6.6 per sqm firmly anchored into a waterproof backing and having an average recycled content of 20%. The carpet tiles must inhibit the growth of Bacteria and Fungi. The Carpet tiles must be Zero Emission carpet. The carpet tiles should be anti static and thickness shall be 4.0 to 5.0 mm with approximate weight of 1.8 kg/ sqm. The rate shall be inclusive of fixing at site with if necessary border and fixing arrangement as per the drawings and direction of Engineer in charge complete in all respect. Flooring should be done as per manufacturers specifications and as directed by engineer in charge.	**m2**	317		
	Carried Forward to Summary of Section No. 19			Ksh	
	Section No. 19 Bill No. 11 (43) FLOOR FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 44				
	STAIR CASE FINISHES				
	32mm thick cement sand (1:4) screed in:				
A	Landing	**m2**	22		
B	Closed strings 300mm high	**m**	60		
C	300mm wide treads	**m**	350		
D	165mm high risers	**m**	350		
	Approved Superior Quality Granite Floor Tiles				
E	300 x 600 x 25mm thick matt and seamless fininished granite floor tiles to the Architect Approval	**m2**	22		
F	Ditto 300mm high closed strings cut to stairs profile	**m**	60		
G	Ditto in 300 mm wide treads including non-slip grooves	**m**	350		
H	Ditto edges of risers 165mm high risers	**m**	350		
I	Ditto 100mm high skirting	**m**	30		
	12mm thick gauged 1:2:9 render in:-				
J	Horizontal soffits of landing	**m2**	22		
K	Sloping soffits of stairs	**m2**	75		
	Painting and Decorating				
	Prepare and apply three coats plastic emulsion paint to:-				
L	Rendered concrete surfaces	**m2**	97		
	Carried Forward			Ksh	
	Section No. 19 Bill No. 12 (44) STAIR FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Wrot Mahogany				
A	75x50 mm wrot mahogany timber slats plugged to sloping soffits of plastered surfaces at 100 mm C/C complete with and including three coats of polyurethane wood furnish all to the architects detail and approval.	**m**	1,296		
	Staircase and Ramp Balustrades				
	The following in stainless steel sections`				
B	50 mm diameter 3mm thick CHS handrail welded to balusters (measured separately) to approval	**m**	30		
C	50 mm diameter 3mm thick CHS handrail welded to brackets plugged into wall to approval	**m**	30		
D	50 x 20 x 1.5 mm thick RHS bottom and top rail welded to balusters (measured separately) to approval	**m**	120		
E	35mm diameter 2mm Thick CHS balusters one end grouted onto concrete treads and other end welded to 50 mm diameter x 2 mm thick handrail (measured separately)	**m**	30		
F	Extra over ditto for 150 mm diameter 6 mm thick stainless steel baseplate machined as per the architects detail and approval.	**No**	54		
G	6 mm thick laminated blue tinted glass over all size 900 x 580 mm high fix with and including 10 x 10 x 1.5 mm thick RHS glazing beads all round all as per the Architects detail and approval.	**No**	54		
	Carried Forward			Ksh	

Section No. 19
Bill No. 12
(44) STAIR FINISHES

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Wall Laminate Clading				
A	Provide and fix laminate panneling as per space and style or other equal and approved catalogue on existing walls as per detailed drawings in 12mm thick scratch proof laminated boards of approved shade and the exposed edges shall be with 2mm thick rigid PVC edge lipping of approved shade all to the Architects detail and approval.	**m2**	396		
	Carried Forward to Summary of Section No. 19			Ksh	

Section No. 19
Bill No. 12
(44) STAIR FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 45				
	CEILING FINISHES				
	Cement and sand (1:4) screed in:-				
A	Horizontal soffits of suspended floor slab not exceeding 3.50m above floor level	**m2**	3,221		
	Prepare and apply three coats plastic emulsion paint on:-				
B	Plastered soffits of suspended slab not exceeding 3.50m above floor level	**m2**	3,221		
	Gypsum Ceiling				
	Gypsum suspended ceiling, laid in on 50 x 50 mm cypress brandering at 600 c/c on one way and 100 x 50 mm cypress brandering at 600 c/c on the other way to Architect's approval as recommended by manufacturer (s)				
C	9mm thick profiled gypsum ceiling complete with and including gypsum tape and three coats of paint.	**m2**	366		
	Acoustic Ceiling				
	Acoustic suspended ceiling, laid in T-grid system to manufacturer's specifications: patterned as per Architects details. Panels and tile to Architect's approval size 600 x 600mm fixed with approved hangers placed at centres as recommended by manufacturer (s)				
D	Accoustic ceiling as Armstrong or other equal and approved mineral fibre acoustic ceiling lining tiles	**m2**	951		
	Perforated laminated MDF Board Ceilings				
	Carried Forward			Ksh	

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	18mm thick Laminated MDF board ceiling boards in panels of 600x800 laid on 75x100 mm double rebated timber grid system patterned as per Architects details. Each MDF Board pannel to have ateleast 9 No Square laser cut perforations of at least 150x150 to Architect's approval fixed with approved hangers placed at centres as recommended by structural engineer to:-				
A	General soffits of perforated MDF Ceilings	**m2**	957		
	Timber Slats Ceilings				
B	Timber slat ceiling comprising of 50x150 mm furnished prime grade wrot cypress at 125 mm C/C bolted together with a 12mm dia bolt on 50x150mm prime grade wrot cypress bearer at 600 C/C all suspended with 16mm dia 500 mm long hooks at 1200mm C/C from the bearers from the soffits of the slab as per the structural engineers detail.	**m2**	480		
C	Ditto but in 25x150mm furnished prime grade wrot cypress at 75 mm ditto	**m2**	480		
	Carried Forward to Summary of Section No. 19			Ksh	
	Section No. 19 Bill No. 13 (45) CEILING FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 74				
	SANITARY FIXTURES				
A	Provide material and labour for fabrication of a Vanity tops for a 4 No counter sink wash hand basin over all size 3900 mm long 600 mm wide composed of 25 mm thick approved granite top back flush and fascia mounted on 75 mm reinforced concrete base supported by 100 mm thick walling.	**No**	6		
	KITCHEN FIXTURES				
B	Provide material and labour for fabricating of a kitchennate work top single drain single bowl stainless steel sink over all size 2400 mm long 600 mm wide composed of 25 mm thick approved granite top and fascia mounted on 75 mm reinforced concrete base supported by 100 mm thick walling.	**No**	2		
	RECEPTION COUNTERS				
C	Allow a provisional Sum of Kenya Shillings One Million for the Fabrication of the Reception counter to the Architects detail and approval.			SUM	
	Carried Forward to Summary of Section No. 19			Ksh	

Section No. 19
Bill No. 14
(70) BUILDING FIXTURES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

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PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

SECTION SUMMARY - GROUND FLOOR

Bill No		*Page No*		*Amount Kshs*
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	Carried to Final Summary		Ksh	

Section No. 19

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	FIRST FLOOR				
	ELEMENT 21				
A	200mm thick approved machine cut walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	437		
	Carried Forward to Summary of Section No. 20			Ksh	

Section No. 20
Bill No. 1
(21) EXTERNAL WALLING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 22				
	INTERNAL WALLS				
A	200mm thick approved machine cut walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	907		
B	150 mm thick ditto	**m2**	339		
C	100 mm thick ditto	**m2**	49		
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
D	250 mm thick reinforced concrete lift shaft wall	**m2**	171		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
E	T8 mm bars	**kg**	2,200		
F	T12mm bars	**kg**	4,480		
G	T16mm bars	**kg**	690		
	SAWN FORMWORK TO:-				
H	Vertical sides of 200 mm thick retaining wall	**m2**	343		
	Carried Forward			Ksh	

Section No. 20
Bill No. 2
(22) INTERNAL WALLS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	PARTITIONS				
	Grey powder coated aluminium framed partitions to BS 10 B15 to receive 6mm thick tinted glass and 25mm thick Medium Density Fibre (M.D.F) panels with beech laminate all to Architect's details and approval				
A	100 mm thick partitions approximately 2100mm high consisting of 100 x 50mm aluminium transomes and mullions and including all necessary bolts, nuts and rubber gaskets complete with and including 900 mm high 25mm thick scratch proof beech laminate Medium Density Fibre (M.D.F) an the lower part and 1200 mm high 6 mm thick tinted glass.	**m2**	128		
	Carried Forward to Summary of Section No. 20			Ksh	

Section No. 20
Bill No. 2
(22) INTERNAL WALLS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 23				
	SUSPENDED SLABS				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
A	175 mm thick suspended slab with an average of 4200mm ceiling height.	**m2**	2,901		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T10mm bars	**kg**	8,174		
C	T12mm bars	**kg**	38,806		
D	T16mm bars (Strong Band)	**kg**	35,000		
	SAWN FORMWORK TO:-				
	Steel plate or maline ply formwork to produce a fair finish to the overall soffits of the slab.				
E	Soffits of 175 mm thick floor slabs with an average of 4200mm ceiling height.	**m2**	2,901		
F	Edges of suspended slab (225 - 300 mm wide)	**m**	323		
G	Ditto but curved ditto	**m**	115		
	Carried Forward to Summary of Section No. 20			Ksh	
	Section No. 20 Bill No. 3 (23) SUSPENDED SLABS *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 24				
	STAIRCASE				
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
A	Waist and steps	**m3**	40		
B	175mm thick landing	**m2**	46		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
C	T8 mm bars	**kg**	1,100		
D	T10mm bars	**kg**	1,100		
E	T12mm bars	**kg**	1,100		
F	T16mm bars	**kg**	1,100		
	Maline ply; steel plate or other equal and approved formwork to:-				
G	Soffits of landing	**m2**	46		
H	Sloping soffits of stairs	**m2**	120		
I	Edges of risers over 75mm but not exceeding 150mm high	**m**	400		
	Carried Forward			Ksh	

Section No. 20
Bill No. 4
(24) STAIRCASE
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Edges of landing over 225mm but not exceeding 300mm high	**m**	55		
B	Open string 300mm high (maximum) including forming profile for treads and risers	**m**	104		
	Carried Forward to Summary of Section No. 20			Ksh	

Section No. 20
Bill No. 4
(24) STAIRCASE

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 28				
	FRAME				
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
A	Columns	**m3**	140		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile ribbed steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T8 mm bars	**kg**	2,175		
C	T20mm bars	**kg**	13,510		
	Maline ply; steel plate or other equal and approved formwork to:-				
D	Vertical sides of columns	**m2**	770		
E	Vertical sides of 600 mm dia circular columns	**m2**	357		
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
F	Beams	**m3**	270		
G	Curved edge beam	**m3**	38		
H	Isolated curved fascia beam	**m3**	92		
	Carried Forward			Ksh	

Section No. 20
Bill No. 5
(28) FRAME

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile ribbed steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
A	T8 mm bars	**kg**	7,900		
B	T16mm bars	**kg**	14,285		
C	T25mm bars	**kg**	43,809		
D	T32mm bars	**kg**	130,476		
	Maline ply; steel plate or other equal and approved formwork to:-				
E	Sides and soffits of beams	**m2**	1,635		
F	Sides and soffits of isolated curced beams	**m2**	678		
	Carried Forward to Summary of Section No. 20			Ksh	

Section No. 20
Bill No. 5
(28) FRAME

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 31				
	EXTERNAL OPENINGS				
	The following in 10mm thick approved colour laminated cool-lite solar glass glazing windows complete with and including permanent vent with mosquito qauge in structural invisible bronze powder coated aluminium framing mounted all as per the fabricators detail but subject to Architects approval. (Works to be executed by an approved domestic subcontractor)				
A	Window over all size 43000x3550 mm high comprising 66 No equal bottom fixed lights each size 650x900 mm high; 66 No equal intermediate sliding openable lights each size 650x1200 mm high; 43000x450 mm high horrizontal aluminium louver vent and 66 No equal top fixed lights each size 650x1000 mm high.	**No**	4		
B	Window over all size 3600x3550 mm high comprising 6 No equal bottom fixed lights each size 650x900 mm high; 6 No equal intermediate sliding openable lights each size 650x1200 mm high; 3600x450 mm high horrizontal aluminium louver vent and 6 No equal top fixed lights each size 650x1000 mm high.	**No**	4		
C	Window over all size 5500x3550 mm high comprising 9No equal bottom fixed lights each size 650x900 mm high; 9No equal intermediate sliding openable lights each size 650x1200 mm high; 5500x450 mm high horrizontal aluminium louver vent and 9No equal top fixed lights each size 650x1000 mm high.	**No**	4		
D	Window over all size 5900x3550 mm high comprising 9 No equal bottom fixed lights each size 650x900 mm high; 9 No equal intermediate sliding openable lights each size 650x1200 mm high; 5900x450 mm high horrizontal aluminium louver vent and 9 No equal top fixed lights each size 650x1000 mm high.	**No**	4		
	Carried Forward			Ksh	

Section No. 20
Bill No. 6
(31) EXTERNAL OPENING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Window over all size 2500x3550 mm high comprising 4No equal bottom fixed lights each size 650x900 mm high; 4No equal intermediate sliding openable lights each size 650x1200 mm high; 5900x450 mm high horrizontal aluminium louver vent and 4No equal top fixed lights each size 650x1000 mm high.	**No**	2		
B	Window over all size 4100x3550 mm high comprising 6 No equal bottom fixed lights each size 650x900 mm high; 6 No equal intermediate sliding openable lights each size 650x1200 mm high; 4100x450 mm high horrizontal aluminium louver vent and 6 No equal top fixed lights each size 650x1000 mm high.	**No**	2		
C	Window over all size 4975x3550 mm high comprising 8 No equal bottom fixed lights each size 650x900 mm high; 8 No equal intermediate sliding openable lights each size 650x1200 mm high; 4975x450 mm high horrizontal aluminium louver vent and 8 No equal top fixed lights each size 650x1000 mm high.	**No**	2		
D	Window over all size 5100x3550 mm high comprising 8 No equal bottom fixed lights each size 650x900 mm high; 8 No equal intermediate sliding openable lights each size 650x1200 mm high; 5100x450 mm high horrizontal aluminium louver vent and 8 No equal top fixed lights each size 650x1000 mm high.	**No**	2		
E	Window over all size 5500x3550 mm high comprising 9 No equal bottom fixed lights each size 650x900 mm high; 9 No equal intermediate sliding openable lights each size 650x1200 mm high; 5500x450 mm high horrizontal aluminium louver vent and 9 No equal top fixed lights each size 650x1000 mm high.	**No**	4		
	Carried Forward			Ksh	

Section No. 20
Bill No. 6
(31) EXTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Window over all size 14000x3550 mm high comprising 21 No equal bottom fixed lights each size 650x900 mm high; 21 No equal intermediate sliding openable lights each size 650x1200 mm high; 14000x450 mm high horrizontal aluminium louver vent and 21 No equal top fixed lights each size 650x1000 mm high.	**No**	1		
	Window Boards				
	Wrot Mahogany				
B	250mm x 50mm window board with 1 No. labours plugged	**m**	523		
C	12mm diameter quadrant beading, plugged	**m**	523		
	Precast concrete weathered and throated window cills				
D	Window cill over all size 275 x 100 mm high with 3 No labour.	**m**	523		
	Painting and Decorating				
	Prepare and apply one coat aluminium wood primer on back of timber from Crown-Berger (K) Limited or other equal and approved manufacturer before fixing				
E	Surfaces over 200mm but not exceeding 300mm girth	**m**	523		
F	Ditto not exceeding 100mm girth	**m**	523		
	Knot, Prime, Stop, prepare and apply three coats "Two Pack" varnish from Crown-Berger (K) Limited or other equal and approved manufacturer on timber surfaces				
G	Over 200mm but not exceeding 300mm girth	**m**	523		
	Carried Forward			Ksh	

Section No. 20
Bill No. 6
(31) EXTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Ditto not exceeding 100mm girth	**m**	523		
	Aluminium Sunshading Devices				
B	Supply and fix 43000 x 3550 mm high Aliminium sun shading in modules of 1300x3550mm high comprising of 50x120x2.1 mm thick Aluminium Rectangular Hollow Section (ARHS) Weighing 2.03KG/LM framing and 50x120x2.1mm thick ARHS hollizontal slats at 350 mm C/C all reveted or bolted together as per the Architects detail and approval.	**No**	8		
C	4200 mm long 900 mm wide x 100 mm thick smooth surfaced reinforced precast concrete class 25 vertical sunshadings reinforced in T12 mm bars at 150 mm C/C both ways ancoured at 1300 mm C/C to the structural engineers detailed design and approval with and including three coats of approved colour silicone exterior paint.	**No**	176		
	Mild Steel Sunshading Devices				
D	Supply and fix mild steel grille overall size 6500x12450 mm high comprising of 100x50x3 mm thick RHS sections in 600x900mm high box pattens at 1500mm C/C on one way with an internal vertical connection of 600mm and 800mm C/C other way with 200mm long horrizontal connections all to the Architect's and structural Engineer's detailed design.	**No**	1		
E	Ditto but 18000x12450 high ditto	**No**	2		
	Carried Forward to Summary of Section No. 20			Ksh	

Section No. 20
Bill No. 6
(31) EXTERNAL OPENING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 32				
	INTERNAL OPENINGS				
	DOORS				
	TIMBER DOORS (Provisional)				
	Wrot hardwood (Mahogany)				
A	15mm Quadrant	**m**	400		
B	40x12mm Architrave	**m**	400		
C	250x50mm Frame with four labours	**m**	400		
	Wrot Mahogany pannel door				
D	45 mm thick mahogany panel door overall size 1000 x 2800 mm high comprising of a single leaf overall size 1000x2400mm high and 5 mm thick glazed fanlight overall size 1000x400 mm high all as per the Architects detail.	**No**	19		
E	45 mm thick mahogany panel double door overall size 1800 x 2800 mm high comprising of 2No leaves each overall size 900x2400mm high and a 5 mm thick glazed fanlight overall size 1000x400 mm high all as per the Architects detail.	**No**	4		
	Solid Core Flush Door				
	Carried Forward			Ksh	

Section No. 20
Bill No. 7
(32) INTERNAL OPENING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	The following in 45 mm thick scratch proof embossed mahogany veneered Doors with hardwood lipping all round as per an approved supplier catalogue and to the architects detail and approval.				
A	Single leaf single swing door overall size 900mm x 2400 mm high having 1 No openable leave size 900 x 2100 mm high and one fixed light size 900 x 300 mm high as per the Architects detail	**No**	18		
	Supply and fix the following ironmongery with screws to match (Ref. is to Union Catalogue or other equal and approved)				
B	100mm stainless steel butt hinges with steel screws	**Pairs**	57		
C	2-Lever mortice lock complete with Satin Finished lever handles	**No**	18		
D	3-Lever mortice lock complete with Satin Finished lever handles	**No**	19		
E	3-Lever rebated mortice lock complete with aluminium lever handles	**No**	4		
F	Rubber door stop fixed to concrete floor,or masonry walling with and including 38mm rawl bolt	**No**	37		
G	Female / Male sign (Union 5692)	**No**	4		
H	Kick plate 1200 x 450 x 2 mm thick	**Pairs**	8		
I	Surface mounted panic bolts for single door type briton 373 and fitted with cylinder key locking attachment to match	**No**	2		
J	Door closer type briton 2003	**No**	8		
	Carried Forward			Ksh	

Section No. 20
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Indicator bolts (union 8094)	**No**	18		
	("Crown") aluminium or other equal and approved wood primer				
B	Back of wood surface exceeding 100mm girth but not exceeding 200mm girth	**m**	400		
	Prepare and apply three coats 'crown' or other similar and approved polyurethane clear varnish on:-				
C	General surfaces	**m2**	178		
D	Ditto over 200mm but not exceeding 300mm girth	**m**	1,200		
	Carried Forward			Ksh	

Section No. 20
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	DUCT DOORS				
	Supply and fix the following 20 mm thick (finished) particle board doors faced on both sides with postformed laminate to the Architect's details				
A	Double leaf single swing door overall size 800mm x 2800 mm high	**No**	22		
	Wrot Hardwood (Mahogany)				
B	15mm Quadrant	**m**	100		
C	40x12mm Architrave	**m**	100		
D	250x50mm Frame with four labours	**m**	100		
	Supply and fix the following ironmongery with screws to match (Ref. is to Union Catalogue or other equal and approved)				
E	100mm steel butt hinges with steel screws	**Pairs**	66		
F	3-Lever mortice lock complete with aluminium lever handles	**No**	22		
G	300 x 10 mm dia stainless steel D Handles.	**No**	44		
H	300x100x3 mm thick plate with maximum 15 letter word engraving on the surface.	**No**	22		
	("Crown") aluminium or other equal and approved wood primer				
I	Back of wood surface exceeding 100mm girth but not exceeding 200mm girth	**m**	100		
	Carried Forward			Ksh	

Section No. 20
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Prepare and apply three coats 'crown' or other similar and approved polyurethane clear varnish on:-				
	General surfaces	**m2**	100		
A	Ditto over 200mm but not exceeding 300mm girth	**m**	300		
	Frameless Glass Doors:				
B	Fabrication and installation of double leaf frameless glass doors overall size 1800x2400 mm high consisting of 18 thick clear toughened glass and providing & fixing with DORMA make PT ST AN OARD Patch fittings such as Top pivot(PT34), top patch(PT20), Bottom Patch (PTlO), Corner Lock with EPC(US 10), Lock keeper plate, SS finish "D" shape Pull Handle 300mm x 22mm(TGDI 300225) and double action floor spring B1S75v.and making necessary holes etc. for fixing required door fittings, all complete as per approved drawings and to the salisfaction of Architect /Engineer-inCharge.	**No**	4		
C	Fabrication and installation of double leaf frameless glass doors overall size 900x2400 mm high consisting of 18 thick clear toughened glass and providing & fixing with DORMA make PT ST AN OARD Patch fittings such as Top pivot(PT34), top patch(PT20), Bottom Patch (PTlO), Corner Lock with EPC(US 10), Lock keeper plate, SS finish "D" shape Pull Handle 300mm x 22mm(TGDI 300225) and double action floor spring B1S75v.and making necessary holes etc. for fixing required door fittings, all complete as per approved drawings and to the salisfaction of Architect /Engineer-inCharge.	**No**	5		
	Carried Forward			Ksh	

Section No. 20
Bill No. 7
(32) INTERNAL OPENING

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Fire Door				
A	Supply and fix approved quality double leaf fire door rated FD90 overall size 900x2400 high compliant to BS 476 part 22 complete with and including the door frame and all the necessary recommened Door closers, seals and ironmongery all the Architects detail and aproval.	**No**	2		
	Pre-cast Concrete				
B	200x450x1500 mm long precast concrete class 25 lintels comprising of 4 N0 D12 main bars and rings in D8 at 150mm C/C all as per the Engineers detail and approval	**No**			
	Carried Forward to Summary of Section No. 20			Ksh	

Section No. 20
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 32				
	BALUSTRADES				
	The following in 1100 mm high 10 mm thick laminated glass balustrading:-				
A	75 mm diameter 3mm thick CHS handrail welded to balusters (measured separately) to approval	**m**	75		
B	50 x 25 x 2.0 mm thick RHS bottom and top rail welded to balusters (measured separately) to approval	**m**	152		
C	50mm diameter 2mm Thick CHS balusters one end grouted onto concrete treads and other end welded to 50 mm diameter x 2 mm thick handrail (measured separately)	**m**	170		
D	Extra over ditto for 150 mm diameter 6 mm thick stainless steel baseplate machined as per the architects detail and approval.	**No**	142		
E	10 mm thick laminated blue tinted glass over all size 600 x 1100 mm high fix with and including 10 x 10 x 1.5 mm thick RHS glazing beads all round all as per the Architects detail and approval.	**No**	142		
	Carried Forward to Summary of Section No. 20			Ksh	

Section No. 20
Bill No. 8
(34) BALUSTRADES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 41				
	EXTERNAL WALL FINISHES				
	12mm thick gauged cement, lime putty and sand (1:2:9) plaster to:-				
A	Masonry or concrete surfaces	**m2**	953		
	Painting and Decorating with "Dura coat" or other equal and approved product (s)				
	Prepare and apply a coat of Acrylic Siloxanic KP1 1.5 mm Anti-mould Anti Algae Textured wall Coating on:-				
B	Plastered surfaces	**m2**	953		
	Carried Forward to Summary of Section No. 20			Ksh	

Section No. 20
Bill No. 9
(41) EXTERNAL WALL FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 42				
	INTERNAL WALL FINISHES				
	12mm thick gauged cement, lime putty and sand (1:2:9) plaster to:-				
A	Masonry or concrete surfaces	**m2**	2,688		
	Painting and Decorating with "Basco Paints" or other equal and approved product (s)				
	Prepare and apply three coats silk vinyl paint from Basco Paints or other equal and approved manufacturer on:-				
B	Plastered surfaces	**m2**	2,688		
	Cement and sand (1:4) in:-				
	CERAMIC WALL TILES				
C	15mm thick backing prepared to receive ceramic tiles (measured separately)	**m2**	766		
	Ceramic wall tiles as per Saj Ceramic Tiles catalogue or other eaual and approved				
D	Supply and fix approved quality 6 mm thick coloured ceramic wall tiles fixed on screed (measured separately) with an approved adhesive including pointing in white cement	**m2**	766		
	SUPERIOR QUALITY GRANITE WALL TILES				
E	25mm thick backing prepared to receive granite tiles (measured separately)	**m2**	174		
	Carried Forward			Ksh	

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Superior Quality 600 x 300 Granite wall tiles as per as per tile and carpet catalogue or other eaual and approved				
A	600 x 300 x 25mm thick superior quality matt finished granite wall tiles as per tile and carpet catalogue including pointing in coloured cement	**m2**	174		
	Feature Wall				
B	Allow a provisional sum of Kenya Shillings Seven Hundred and Fifty thousands (Kshs 750,000.00) Only for Works associated with feature wall all to the Architects detail and approval.			SUM	
	Carried Forward to Summary of Section No. 20			Ksh	

Section No. 20
Bill No. 10
(42) INTERNAL WALL FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 43				
	FLOOR FINISHES				
	Cement and sand (1:4) screed in:-				
A	32 mm steel trowelled screed to receive ceramic tiles ditto	**m2**	161		
	Ceramic Tiles				
B	300 x 300 x 8mm thick coloured non-slip ceramic floor tiles including pointing in white cement	**m2**	161		
	Cement and sand (1:4) screed in:-				
C	32mm thick ditto granite floor tiles ditto	**m2**	156		
	Superior Quality Matt Granite Floor Tiles				
D	300 x 600 x 25mm thick superior quality matt finished granite floor tiles as per tile and carpet catalogue including pointing in coloured cement	**m2**	156		
	Cement and sand (1:4) screed in:-				
E	32mm thick ditto granito floor tiles ditto	**m2**	2,337		
	Superior Quality Granitto Floor Tiles				
F	600 x 300 x 12mm thick superior quality matt finished granito floor tiles as per tile and carpet catalogue including pointing in coloured cement (Area measured net inclusive of 100 mm high skirting)	**m2**	2,337		
	Cement and sand (1:4) screed in:-				
G	32mm thick ditto Flocked Carpet tile flooring ditto	**m2**	213		
	Carried Forward			Ksh	

Section No. 20
Bill No. 11
(43) FLOOR FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Superior Quality Flocked Carpet tile flooring				
A	Providing and Fixing of Flocked Carpet tile flooring having a density of 70 million fibers of nylons 6.6 per sqm firmly anchored into a waterproof backing and having an average recycled content of 20%. The carpet tiles must inhibit the growth of Bacteria and Fungi. The Carpet tiles must be Zero Emission carpet. The carpet tiles should be anti static and thickness shall be 4.0 to 5.0 mm with approximate weight of 1.8 kg/ sqm. The rate shall be inclusive of fixing at site with if necessary border and fixing arrangement as per the drawings and direction of Engineer in charge complete in all respect. Flooring should be done as per manufacturers specifications and as directed by engineer in charge.	**m2**	213		
	Carried Forward to Summary of Section No. 20			Ksh	
	Section No. 20 Bill No. 11 (43) FLOOR FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 44				
	STAIR CASE FINISHES (FIRE ESCAPE & SERVICE)				
	32mm thick cement sand (1:4) screed in:				
A	Landing	**m2**	14		
B	Closed strings 300mm high	**m**	56		
C	300mm wide treads	**m**	151		
D	165mm high risers	**m**	151		
	Approved Superior Quality Granitto Floor Tiles				
E	300 x 600 x 25mm thick matt and seamless fininished granite floor tiles to the Architect Approval	**m2**	14		
F	Ditto in 300 mm wide treads including non-slip grooves	**m**	151		
G	Ditto edges of risers 150mm high risers	**m**	151		
H	Ditto 100mm high skirting	**m**	30		
I	100x325 mm long (average) trapezoidal step edges.	**No**	168		
J	100x150 mm long (average) trapezoidal riser edges.	**No**	168		
	12mm thick gauged 1:2:9 render in:-				
K	Horizontal soffits of landing	**m2**	14		
L	Sloping soffits of stairs	**m2**	141		
	Painting and Decorating				
	Carried Forward			Ksh	

Section No. 20
Bill No. 12
(44) STAIR FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Prepare and apply three coats plastic emulsion paint to:-				
A	Rendered concrete surfaces	**m2**	155		
	Staircase and Ramp Balustrades				
	The following in stainless steel sections`				
B	50 mm diameter 3mm thick CHS handrail welded to balusters (measured separately) to approval	**m**	56		
C	50 mm diameter 3mm thick CHS handrail welded to brackets plugged into wall to approval	**m**	56		
D	50 x 20 x 1.5 mm thick RHS bottom and top rail welded to balusters (measured separately) to approval	**m**	226		
E	35mm diameter 2mm Thick CHS balusters one end grouted onto concrete treads and other end welded to 50 mm diameter x 2 mm thick handrail (measured separately)	**m**	56		
	STAIR CASE FINISHES (ATRIUM VOID)				
	32mm thick cement sand (1:4) screed in:				
F	Landing	**m2**	18		
G	325mm wide treads (Average)	**m**	168		
H	165mm high risers	**m**	168		
	Approved Superior Quality Granite Floor Tiles				
I	300 x 600 x 25mm thick matt and seamless fininished granite floor tiles to the Architect Approval	**m2**	18		
	Carried Forward			Ksh	

Section No. 20
Bill No. 12
(44) STAIR FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Ditto in 300 mm wide (Average) treads including non-slip grooves	**m**	168		
B	Ditto edges of risers 165mm high risers	**m**	168		
C	Ditto 100mm high skirting	**m**	12		
D	100x325 mm long (average) trapezoidal step edges.	**No**	112		
E	100x150 mm long (average) trapezoidal riser edges.	**No**	112		
	12mm thick gauged 1:2:9 render in:-				
F	Horizontal soffits of landing	**m2**	18		
G	Sloping soffits of stairs	**m2**	56		
	Painting and Decorating				
	Prepare and apply three coats plastic emulsion paint to:-				
H	Rendered concrete surfaces	**m2**	74		
	Wrot Prime Grade Cypress				
I	75x50 mm wrot prime grade cypress timber slats plugged to sloping soffits of plastered surfaces at 100 mm C/C complete with and including three coats of approved tainted polyurethane wood furnish all to the architects detail and approval.	**m**	564		
	Staircase Balustrades				
	The following in stainless steel sections`				
J	75 mm diameter 3mm thick CHS handrail welded to brackets plugged into wall to approval	**m**	38		
	Carried Forward			Ksh	

Section No. 20
Bill No. 12
(44) STAIR FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	150mm thick approved machine cut curved inclined walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	41		
	12mm thick gauged 1:2:9 render to:-				
B	Vertical sides of wall balustrading	**m2**	113		
	Painting and Decorating				
	Prepare and apply three coats plastic emulsion paint to:-				
C	Rendered concrete surfaces	**m2**	113		
	Prime grade cypress wall clading				
D	Provide and fix 20x100 mm prime grade T&G panneling plugged to sloping soffits of plastered surfaces at 100 mm C/C complete with and including three coats of approved tainted polyurethane wood furnish all to the architects detail and approval.	**m2**	113		
	Prime grade mahogany timber wall coping				
E	50x250 mm wrot prime grade mahogany timber wall coping with 200 x 25 mm deep chasing complete with and including three coats of approved tainted polyurethane wood furnish all to the architects detail and approval.	**m**	38		
	Carried Forward to Summary of Section No. 20			Ksh	

Section No. 20
Bill No. 12
(44) STAIR FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 45				
	CEILING FINISHES				
	Cement and sand (1:4) screed in:-				
A	Horizontal soffits of suspended floor slab not exceeding 3.50m above floor level	**m2**	3,221		
	Prepare and apply three coats plastic emulsion paint on:-				
B	Plastered soffits of suspended slab not exceeding 3.50m above floor level	**m2**	3,221		
	Gypsum Ceiling				
	Gypsum suspended ceiling, laid in on 50 x 50 mm cypress brandering at 600 c/c on one way and 100 x 50 mm cypress brandering at 600 c/c on the other way to Architect's approval as recommended by manufacturer (s)				
C	9mm thick profiled gypsum ceiling complete with and including gypsum tape and three coats of paint.	**m2**	366		
	Acoustic Ceiling				
	Acoustic suspended ceiling, laid in T-grid system to manufacturer's specifications: patterned as per Architects details. Panels and tile to Architect's approval size 600 x 600mm fixed with approved hangers placed at centres as recommended by manufacturer (s)				
D	Accoustic ceiling as Armstrong or other equal and approved mineral fibre acoustic ceiling lining tiles	**m2**	951		
	Perforated laminated MDF Board Ceilings				
	Carried Forward			Ksh	

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	18mm thick Laminated MDF board ceiling boards in panels of 600x800 laid on 75x100 mm double rebated timber grid system patterned as per Architects details. Each MDF Board pannel to have ateleast 9 No Square laser cut perforations of at least 150x150 to Architect's approval fixed with approved hangers placed at centres as recommended by structural engineer to:-				
A	General soffits of perforated MDF Ceilings	**m2**	957		
	Timber Slats Ceilings				
B	Timber slat ceiling comprising of 50x150 mm furnished prime grade wrot cypress at 125 mm C/C bolted together with a 12mm dia bolt on 50x150mm prime grade wrot cypress bearer at 600 C/C all suspended with 16mm dia 500 mm long hooks at 1200mm C/C from the bearers from the soffits of the slab as per the structural engineers detail.	**m2**	480		
C	Ditto but in 25x150mm furnished prime grade wrot cypress at 75 mm ditto	**m2**	480		
	Carried Forward to Summary of Section No. 20			Ksh	
	Section No. 20 Bill No. 13 (45) CEILING FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 74				
	SANITARY FIXTURES				
A	Provide material and labour for fabrication of a Vanity tops for a 4 No counter sink wash hand basin over all size 3900 mm long 600 mm wide composed of 25 mm thick approved granite top back flush and fascia mounted on 75 mm reinforced concrete base supported by 100 mm thick walling.	**No**	6		
	KITCHEN FIXTURES				
B	Provide material and labour for fabricating of a kitchennate work top single drain single bowl stainless steel sink over all size 2400 mm long 600 mm wide composed of 25 mm thick approved granite top and fascia mounted on 75 mm reinforced concrete base supported by 100 mm thick walling.	**No**	1		
	RECEPTION COUNTER				
C	Allow a provisional Sum of Kenya Shillings Seven Hundred and Fifty Thousand only for the Fabrication of the Reception counter to the Architects detail and approval.			SUM	
	MURAL ARTWORK				
D	Allow a provisional Sum of Kenya Shillings Three Hundred and Fifty Thousand for the Fabrication of the Reception counter to the Architects detail and approval.			SUM	
	Carried Forward to Summary of Section No. 20			Ksh	

Section No. 20
Bill No. 14
(70) BUILDING FIXTURES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

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PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

SECTION SUMMARY - FIRST FLOOR

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	Carried to Final Summary		Ksh	

Section No. 20

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	SECOND FLOOR				
	ELEMENT 21				
A	200mm thick approved machine cut walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	581		
	Carried Forward to Summary of Section No. 21			Ksh	

Section No. 21
Bill No. 1
(21) EXTERNAL WALLING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 22				
	INTERNAL WALLS				
A	200mm thick approved machine cut walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	775		
B	150 mm thick ditto	**m2**	222		
C	100 mm thick ditto	**m2**	59		
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
D	250 mm thick reinforced concrete lift shaft wall	**m2**	171		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
E	T8 mm bars	**kg**	2,200		
F	T12mm bars	**kg**	4,480		
G	T16mm bars	**kg**	690		
	SAWN FORMWORK TO:-				
H	Vertical sides of 200 mm thick retaining wall	**m2**	343		
	Carried Forward			Ksh	

Section No. 21
Bill No. 2
(22) INTERNAL WALLS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	PARTITIONS Frameless				
	Grey powder coated aluminium framed partitions to BS 10 B15 to receive 8mm thick laminated clear glass (measured separately) and 25mm thick Medium Density Fibre (M.D.F) panels with beech laminate all to Architect's details and approval				
A	100 mm thick partitions approximately 2100mm high consisting of 100 x 50mm aluminium transomes and mullions and including all necessary bolts, nuts and rubber gaskets complete with and including 900 mm high 25mm thick scratch proof beech laminate Medium Density Fibre (M.D.F) an the lower part and 1200 mm high 6 mm thick tinted glass.	**m2**	327		
	Carried Forward to Summary of Section No. 21			Ksh	

Section No. 21
Bill No. 2
(22) INTERNAL WALLS

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 23				
	SUSPENDED SLABS				
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
A	175 mm thick suspended slab with an average of 4200mm ceiling height.	**m2**	2,901		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T10mm bars	**kg**	8,174		
C	T12mm bars	**kg**	38,806		
D	T16mm bars (Strong Band)	**kg**	35,000		
	SAWN FORMWORK TO:-				
	Steel plate or maline ply formwork to produce a fair finish to the overall soffits of the slab.				
E	Soffits of 175 mm thick floor slabs with an average of 4200mm ceiling height.	**m2**	2,901		
F	Edges of suspended slab (225 - 300 mm wide)	**m**	323		
G	Ditto but curved ditto	**m**	115		
	Carried Forward to Summary of Section No. 21			Ksh	
	Section No. 21 Bill No. 3 (23) SUSPENDED SLABS *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 24				
	STAIRCASE				
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
A	Waist and steps	**m3**	40		
B	175mm thick landing	**m2**	46		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
C	T8 mm bars	**kg**	1,100		
D	T10mm bars	**kg**	1,100		
E	T12mm bars	**kg**	1,100		
F	T16mm bars	**kg**	1,100		
	Maline ply; steel plate or other equal and approved formwork to:-				
G	Soffits of landing	**m2**	46		
H	Sloping soffits of stairs	**m2**	120		
I	Edges of risers over 75mm but not exceeding 150mm high	**m**	400		
	Carried Forward			Ksh	

Section No. 21
Bill No. 4
(24) STAIRCASE

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Edges of landing over 225mm but not exceeding 300mm high	**m**	55		
B	Open string 300mm high (maximum) including forming profile for treads and risers	**m**	104		
	Carried Forward to Summary of Section No. 21			Ksh	

Section No. 21
Bill No. 4
(24) STAIRCASE

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 28				
	FRAME				
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
A	Columns	**m3**	140		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile ribbed steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T8 mm bars	**kg**	2,175		
C	T20mm bars	**kg**	13,510		
	Maline ply; steel plate or other equal and approved formwork to:-				
D	Vertical sides of columns	**m2**	770		
E	Vertical sides of 600 mm dia circular columns	**m2**	357		
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
F	Beams	**m3**	270		
G	Curved edge beam	**m3**	38		
H	Isolated curved fascia beam	**m3**	92		
	Carried Forward			Ksh	

Section No. 21
Bill No. 5
(28) FRAME
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile ribbed steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
A	T8 mm bars	**kg**	7,900		
B	T16mm bars	**kg**	14,285		
C	T25mm bars	**kg**	43,809		
D	T32mm bars	**kg**	130,476		
	Maline ply; steel plate or other equal and approved formwork to:-				
E	Sides and soffits of beams	**m2**	1,635		
F	Sides and soffits of isolated curced beams	**m2**	678		
	Carried Forward to Summary of Section No. 21			Ksh	

Section No. 21
Bill No. 5
(28) FRAME

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 31				
	EXTERNAL OPENINGS				
	The following in 10mm thick approved colour laminated cool-lite solar glass glazing windows complete with and including permanent vent with mosquito qauge in structural invisible bronze powder coated aluminium framing mounted all as per the fabricators detail but subject to Architects approval. (Works to be executed by an approved domestic subcontractor)				
A	Window over all size 43000x3550 mm high comprising 66 No equal bottom fixed lights each size 650x900 mm high; 66 No equal intermediate sliding openable lights each size 650x1200 mm high; 43000x450 mm high horrizontal aluminium louver vent and 66 No equal top fixed lights each size 650x1000 mm high.	**No**	4		
B	Window over all size 3600x3550 mm high comprising 6 No equal bottom fixed lights each size 650x900 mm high; 6 No equal intermediate sliding openable lights each size 650x1200 mm high; 3600x450 mm high horrizontal aluminium louver vent and 6 No equal top fixed lights each size 650x1000 mm high.	**No**	4		
C	Window over all size 5500x3550 mm high comprising 9No equal bottom fixed lights each size 650x900 mm high; 9No equal intermediate sliding openable lights each size 650x1200 mm high; 5500x450 mm high horrizontal aluminium louver vent and 9No equal top fixed lights each size 650x1000 mm high.	**No**	4		
D	Window over all size 5900x3550 mm high comprising 9 No equal bottom fixed lights each size 650x900 mm high; 9 No equal intermediate sliding openable lights each size 650x1200 mm high; 5900x450 mm high horrizontal aluminium louver vent and 9 No equal top fixed lights each size 650x1000 mm high.	**No**	4		
	Carried Forward			Ksh	

Section No. 21
Bill No. 6
(31) EXTERNAL OPENING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Window over all size 2500x3550 mm high comprising 4No equal bottom fixed lights each size 650x900 mm high; 4No equal intermediate sliding openable lights each size 650x1200 mm high; 5900x450 mm high horrizontal aluminium louver vent and 4No equal top fixed lights each size 650x1000 mm high.	**No**	2		
B	Window over all size 4100x3550 mm high comprising 6 No equal bottom fixed lights each size 650x900 mm high; 6 No equal intermediate sliding openable lights each size 650x1200 mm high; 4100x450 mm high horrizontal aluminium louver vent and 6 No equal top fixed lights each size 650x1000 mm high.	**No**	2		
C	Window over all size 4975x3550 mm high comprising 8 No equal bottom fixed lights each size 650x900 mm high; 8 No equal intermediate sliding openable lights each size 650x1200 mm high; 4975x450 mm high horrizontal aluminium louver vent and 8 No equal top fixed lights each size 650x1000 mm high.	**No**	2		
D	Window over all size 5100x3550 mm high comprising 8 No equal bottom fixed lights each size 650x900 mm high; 8 No equal intermediate sliding openable lights each size 650x1200 mm high; 5100x450 mm high horrizontal aluminium louver vent and 8 No equal top fixed lights each size 650x1000 mm high.	**No**	2		
E	Window over all size 5500x3550 mm high comprising 9 No equal bottom fixed lights each size 650x900 mm high; 9 No equal intermediate sliding openable lights each size 650x1200 mm high; 5500x450 mm high horrizontal aluminium louver vent and 9 No equal top fixed lights each size 650x1000 mm high.	**No**	4		
	Carried Forward			Ksh	

Section No. 21
Bill No. 6
(31) EXTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Window over all size 14000x3550 mm high comprising 21 No equal bottom fixed lights each size 650x900 mm high; 21 No equal intermediate sliding openable lights each size 650x1200 mm high; 14000x450 mm high horrizontal aluminium louver vent and 21 No equal top fixed lights each size 650x1000 mm high.	**No**	1		
	Window Boards				
	Wrot Mahogany				
B	250mm x 50mm window board with 1 No. labours plugged	**m**	523		
C	12mm diameter quadrant beading, plugged	**m**	523		
	Precast concrete weathered and throated window cills				
D	Window cill over all size 275 x 100 mm high with 3 No labour.	**m**	523		
	Painting and Decorating				
	Prepare and apply one coat aluminium wood primer on back of timber from Crown-Berger (K) Limited or other equal and approved manufacturer before fixing				
E	Surfaces over 200mm but not exceeding 300mm girth	**m**	523		
F	Ditto not exceeding 100mm girth	**m**	523		
	Knot, Prime, Stop, prepare and apply three coats "Two Pack" varnish from Crown-Berger (K) Limited or other equal and approved manufacturer on timber surfaces				
G	Over 200mm but not exceeding 300mm girth	**m**	523		
	Carried Forward			Ksh	

Section No. 21
Bill No. 6
(31) EXTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Ditto not exceeding 100mm girth	**m**	523		
	Aluminium Sunshading Devices				
B	Supply and fix 43000 x 3550 mm high Aliminium sun shading in modules of 1300x3550mm high comprising of 50x120x2.1 mm thick Aluminium Rectangular Hollow Section (ARHS) Weighing 2.03KG/LM framing and 50x120x2.1mm thick ARHS hollizontal slats at 350 mm C/C all reveted or bolted together as per the Architects detail and approval.	**No**	8		
C	4200 mm long 900 mm wide x 100 mm thick smooth surfaced reinforced precast concrete class 25 vertical sunshadings reinforced in T12 mm bars at 150 mm C/C both ways ancoured at 1300 mm C/C to the structural engineers detailed design and approval with and including three coats of approved colour silicone exterior paint.	**No**	176		
	Carried Forward to Summary of Section No. 21			Ksh	

Section No. 21
Bill No. 6
(31) EXTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 32				
	INTERNAL OPENINGS				
	DOORS				
	TIMBER DOORS (Provisional)				
	Wrot hardwood (Mahogany)				
A	15mm Quadrant	**m**	331		
B	40x12mm Architrave	**m**	331		
C	250x50mm Frame with four labours	**m**	331		
	Wrot Mahogany pannel door				
D	45 mm thick mahogany panel door overall size 1000 x 2800 mm high comprising of a single leaf overall size 1000x2400mm high and 5 mm thick glazed fanlight overall size 1000x400 mm high all as per the Architects detail.	**No**	19		
E	45 mm thick mahogany panel double door overall size 1800 x 2800 mm high comprising of 2No leaves each overall size 900x2400mm high and a 5 mm thick glazed fanlight overall size 1000x400 mm high all as per the Architects detail.	**No**	5		
	Solid Core Flush Door				
	Carried Forward			Ksh	

Section No. 21
Bill No. 7
(32) INTERNAL OPENING

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	The following in 45 mm thick scratch proof embossed mahogany veneered Doors with hardwood lipping all round as per an approved supplier catalogue and to the architects detail and approval.				
A	Single leaf single swing door overall size 900mm x 2400 mm high having 1 No openable leave size 900 x 2100 mm high and one fixed light size 900 x 300 mm high as per the Architects detail	**No**	21		
	Supply and fix the following ironmongery with screws to match (Ref. is to Union Catalogue or other equal and approved)				
B	100mm stainless steel butt hinges with steel screws	**Pairs**	57		
C	2-Lever mortice lock complete with Satin Finished lever handles	**No**	18		
D	3-Lever mortice lock complete with Satin Finished lever handles	**No**	19		
E	3-Lever rebated mortice lock complete with aluminium lever handles	**No**	4		
F	Rubber door stop fixed to concrete floor,or masonry walling with and including 38mm rawl bolt	**No**	37		
G	Female / Male sign (Union 5692)	**No**	4		
H	Kick plate 1200 x 450 x 2 mm thick	**Pairs**	8		
I	Surface mounted panic bolts for single door type briton 373 and fitted with cylinder key locking attachment to match	**No**	2		
J	Door closer type briton 2003	**No**	8		
	Carried Forward			Ksh	

Section No. 21
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Indicator bolts (union 8094)	**No**	18		
	("Crown") aluminium or other equal and approved wood primer				
B	Back of wood surface exceeding 100mm girth but not exceeding 200mm girth	**m**	331		
	Prepare and apply three coats 'crown' or other similar and approved polyurethane clear varnish on:-				
C	General surfaces	**m2**	178		
D	Ditto over 200mm but not exceeding 300mm girth	**m**	1,200		
	Carried Forward			Ksh	

Section No. 21
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	DUCT DOORS				
	Supply and fix the following 20 mm thick (finished) particle board doors faced on both sides with postformed laminate to the Architect's details				
A	Double leaf single swing door overall size 800mm x 2800 mm high	**No**	22		
	Wrot Hardwood (Mahogany)				
B	15mm Quadrant	**m**	100		
C	40x12mm Architrave	**m**	100		
D	250x50mm Frame with four labours	**m**	100		
	Supply and fix the following ironmongery with screws to match (Ref. is to Union Catalogue or other equal and approved)				
E	100mm steel butt hinges with steel screws	**Pairs**	66		
F	3-Lever mortice lock complete with aluminium lever handles	**No**	22		
G	300 x 10 mm dia stainless steel D Handles.	**No**	44		
H	300x100x3 mm thick plate with maximum 15 letter word engraving on the surface.	**No**	22		
	("Crown") aluminium or other equal and approved wood primer				
I	Back of wood surface exceeding 100mm girth but not exceeding 200mm girth	**m**	100		
	Carried Forward			Ksh	

Section No. 21
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Prepare and apply three coats 'crown' or other similar and approved polyurethane clear varnish on:-				
	General surfaces	**m2**	100		
A	Ditto over 200mm but not exceeding 300mm girth	**m**	300		
	Fire Door				
B	Supply and fix approved quality double leaf fire door rated FD90 overall size 900x2400 high compliant to BS 476 part 22 complete with and including the door frame and all the necessary recommened Door closers, seals and ironmongery all the Architects detail and aproval.	**No**	2		
	Pre-cast Concrete				
C	200x450x1500 mm long precast concrete class 25 lintels comprising of 4 N0 D12 main bars and rings in D8 at 150mm C/C all as per the Engineers detail and approval	**No**	45		
	ALUMINIUM DOORS				
	Carried Forward			Ksh	

Section No. 21
Bill No. 7
(32) INTERNAL OPENING

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Providing, fabricating and fixing aluminium framed doors fabricated from composite extruded powder coated (approved colour) heavy duty approved aluminium section 105 x 50 x minimum 2.5 mm thick; including glazing with 6 mm georgian wired glass; glass secured to aluminium door framing stiles top middle and bottom rails using approved glazing strips and glazing beads including waterproofing all joints using approved silicon sealing compound and including approved aluminium brackets; all necessary approved ironmongery (Union or other equal and approved) fixing with aluminium screws plugging or fixing on aluminium framing; sealing with mastic; oiling and adjusting on completion.				
A	Double leaved door over all size 900 x 2400 mm high having 1 No openable leaves each size 900 x 2100 mm high and one fixed light size 900 x 300 mm high as per the Architects	**No**	21		
	Carried Forward to Summary of Section No. 21			Ksh	
	Section No. 21 Bill No. 7 (32) INTERNAL OPENING *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 32				
	BALUSTRADES				
	The following in 1100 mm high 10 mm thick laminated glass balustrading:-				
A	75 mm diameter 3mm thick CHS handrail welded to balusters (measured separately) to approval	**m**	75		
B	50 x 25 x 2.0 mm thick RHS bottom and top rail welded to balusters (measured separately) to approval	**m**	152		
C	50mm diameter 2mm Thick CHS balusters one end grouted onto concrete treads and other end welded to 50 mm diameter x 2 mm thick handrail (measured separately)	**m**	170		
D	Extra over ditto for 150 mm diameter 6 mm thick stainless steel baseplate machined as per the architects detail and approval.	**No**	142		
E	10 mm thick laminated blue tinted glass over all size 600 x 1100 mm high fix with and including 10 x 10 x 1.5 mm thick RHS glazing beads all round all as per the Architects detail and approval.	**No**	142		
	Carried Forward to Summary of Section No. 21			Ksh	

Section No. 21
Bill No. 8
(34) BALUSTRADES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 41				
	EXTERNAL WALL FINISHES				
	12mm thick gauged cement, lime putty and sand (1:2:9) plaster to:-				
A	Masonry or concrete surfaces	**m2**	953		
	Painting and Decorating with "Dura coat" or other equal and approved product (s)				
	Prepare and apply a coat of Acrylic Siloxanic KP1 1.5 mm Anti-mould Anti Algae Textured wall Coating on:-				
B	Plastered surfaces	**m2**	953		
	Carried Forward to Summary of Section No. 21			Ksh	

Section No. 21
Bill No. 9
(41) EXTERNAL WALL FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 42				
	INTERNAL WALL FINISHES				
	12mm thick gauged cement, lime putty and sand (1:2:9) plaster to:-				
A	Masonry or concrete surfaces	**m2**	1,936		
	Painting and Decorating with "Basco Paints" or other equal and approved product (s)				
	Prepare and apply three coats silk vinyl paint from Basco Paints or other equal and approved manufacturer on:-				
B	Plastered surfaces	**m2**	1,936		
	Cement and sand (1:4) in:-				
	CERAMIC WALL TILES				
C	15mm thick backing prepared to receive ceramic tiles (measured separately)	**m2**	766		
	Ceramic wall tiles as per Saj Ceramic Tiles catalogue or other eaual and approved				
D	Supply and fix approved quality 6 mm thick coloured ceramic wall tiles fixed on screed (measured separately) with an approved adhesive including pointing in white cement	**m2**	766		
	SUPERIOR QUALITY GRANITE WALL TILES				
E	25mm thick backing prepared to receive granite tiles (measured separately)	**m2**	174		
	Carried Forward			Ksh	

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Superior Quality 600 x 300 Granite wall tiles as per as per tile and carpet catalogue or other eaual and approved				
A	600 x 300 x 25mm thick superior quality matt finished granite wall tiles as per tile and carpet catalogue including pointing in coloured cement	**m2**	174		
	Feature Wall				
B	Allow a provisional sum of Kenya Shillings One million Five Hundred thousands (Kshs 1,500,000.00) Only for Works associated with feature wall all to the Architects detail and approval.			SUM	
	Carried Forward to Summary of Section No. 21			Ksh	

Section No. 21
Bill No. 10
(42) INTERNAL WALL FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 43				
	FLOOR FINISHES				
	Cement and sand (1:4) screed in:-				
A	32 mm steel trowelled screed to receive ceramic tiles ditto	**m2**	161		
	Ceramic Tiles				
B	300 x 300 x 8mm thick coloured non-slip ceramic floor tiles including pointing in white cement	**m2**	161		
	Cement and sand (1:4) screed in:-				
C	32mm thick ditto granite floor tiles ditto	**m2**	156		
	Superior Quality Matt Granite Floor Tiles				
D	300 x 600 x 25mm thick superior quality matt finished granite floor tiles as per tile and carpet catalogue including pointing in coloured cement	**m2**	156		
	Cement and sand (1:4) screed in:-				
E	32mm thick ditto granito floor tiles ditto	**m2**	2,337		
	Superior Quality Granitto Floor Tiles				
F	600 x 300 x 12mm thick superior quality matt finished granito floor tiles as per tile and carpet catalogue including pointing in coloured cement (Area measured net inclusive of 100 mm high skirting)	**m2**	2,337		
	Cement and sand (1:4) screed in:-				
G	32mm thick ditto Flocked Carpet tile flooring ditto	**m2**	213		
	Carried Forward			Ksh	

Section No. 21
Bill No. 11
(43) FLOOR FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Superior Quality Flocked Carpet tile flooring				
A	Providing and Fixing of Flocked Carpet tile flooring having a density of 70 million fibers of nylons 6.6 per sqm firmly anchored into a waterproof backing and having an average recycled content of 20%. The carpet tiles must inhibit the growth of Bacteria and Fungi. The Carpet tiles must be Zero Emission carpet. The carpet tiles should be anti static and thickness shall be 4.0 to 5.0 mm with approximate weight of 1.8 kg/ sqm. The rate shall be inclusive of fixing at site with if necessary border and fixing arrangement as per the drawings and direction of Engineer in charge complete in all respect. Flooring should be done as per manufacturers specifications and as directed by engineer in charge.	**m2**	213		
	Carried Forward to Summary of Section No. 21			Ksh	
	Section No. 21 Bill No. 11 (43) FLOOR FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 44				
	STAIR CASE FINISHES (FIRE ESCAPE & SERVICE)				
	32mm thick cement sand (1:4) screed in:				
A	Landing	**m2**	14		
B	Closed strings 300mm high	**m**	56		
C	300mm wide treads	**m**	151		
D	165mm high risers	**m**	151		
	Approved Superior Quality Granitto Floor Tiles				
E	300 x 600 x 25mm thick matt and seamless fininished granite floor tiles to the Architect Approval	**m2**	14		
F	Ditto in 300 mm wide treads including non-slip grooves	**m**	151		
G	Ditto edges of risers 150mm high risers	**m**	151		
H	Ditto 100mm high skirting	**m**	30		
I	100x325 mm long (average) trapezoidal step edges.	**No**	168		
J	100x150 mm long (average) trapezoidal riser edges.	**No**	168		
	12mm thick gauged 1:2:9 render in:-				
K	Horizontal soffits of landing	**m2**	14		
L	Sloping soffits of stairs	**m2**	141		
	Painting and Decorating				
	Carried Forward			Ksh	

Section No. 21
Bill No. 12
(44) STAIR FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Prepare and apply three coats plastic emulsion paint to:-				
A	Rendered concrete surfaces	**m2**	155		
	Staircase and Ramp Balustrades				
	The following in stainless steel sections`				
B	50 mm diameter 3mm thick CHS handrail welded to balusters (measured separately) to approval	**m**	56		
C	50 mm diameter 3mm thick CHS handrail welded to brackets plugged into wall to approval	**m**	56		
D	50 x 20 x 1.5 mm thick RHS bottom and top rail welded to balusters (measured separately) to approval	**m**	226		
E	35mm diameter 2mm Thick CHS balusters one end grouted onto concrete treads and other end welded to 50 mm diameter x 2 mm thick handrail (measured separately)	**m**	56		
	STAIR CASE FINISHES (ATRIUM VOID)				
	32mm thick cement sand (1:4) screed in:				
F	Landing	**m2**	18		
G	325mm wide treads (Average)	**m**	168		
H	165mm high risers	**m**	168		
	Approved Superior Quality Granite Floor Tiles				
I	300 x 600 x 25mm thick matt and seamless fininished granite floor tiles to the Architect Approval	**m2**	18		
	Carried Forward			Ksh	

Section No. 21
Bill No. 12
(44) STAIR FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Ditto in 300 mm wide (Average) treads including non-slip grooves	**m**	168		
B	Ditto edges of risers 165mm high risers	**m**	168		
C	Ditto 100mm high skirting	**m**	12		
D	100x325 mm long (average) trapezoidal step edges.	**No**	112		
E	100x150 mm long (average) trapezoidal riser edges.	**No**	112		
	12mm thick gauged 1:2:9 render in:-				
F	Horizontal soffits of landing	**m2**	18		
G	Sloping soffits of stairs	**m2**	56		
	Painting and Decorating				
	Prepare and apply three coats plastic emulsion paint to:-				
H	Rendered concrete surfaces	**m2**	74		
	Wrot Prime Grade Cypress				
I	75x50 mm wrot prime grade cypress timber slats plugged to sloping soffits of plastered surfaces at 100 mm C/C complete with and including three coats of approved tainted polyurethane wood furnish all to the architects detail and approval.	**m**	564		
	Staircase Balustrades				
	The following in stainless steel sections`				
J	75 mm diameter 3mm thick CHS handrail welded to brackets plugged into wall to approval	**m**	38		
	Carried Forward			Ksh	

Section No. 21
Bill No. 12
(44) STAIR FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	150mm thick approved machine cut curved inclined walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	41		
	12mm thick gauged 1:2:9 render to:-				
B	Vertical sides of wall balustrading	**m2**	113		
	Painting and Decorating				
	Prepare and apply three coats plastic emulsion paint to:-				
C	Rendered concrete surfaces	**m2**	113		
	Prime grade cypress wall clading				
D	Provide and fix 20x100 mm prime grade T&G panneling plugged to sloping soffits of plastered surfaces at 100 mm C/C complete with and including three coats of approved tainted polyurethane wood furnish all to the architects detail and approval.	**m2**	113		
	Prime grade mahogany timber wall coping				
E	50x250 mm wrot prime grade mahogany timber wall coping with 200 x 25 mm deep chasing complete with and including three coats of approved tainted polyurethane wood furnish all to the architects detail and approval.	**m**	38		
	Carried Forward to Summary of Section No. 21			Ksh	

Section No. 21
Bill No. 12
(44) STAIR FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 45				
	CEILING FINISHES				
	Cement and sand (1:4) screed in:-				
A	Horizontal soffits of suspended floor slab not exceeding 3.50m above floor level	**m2**	3,221		
	Prepare and apply three coats plastic emulsion paint on:-				
B	Plastered soffits of suspended slab not exceeding 3.50m above floor level	**m2**	3,221		
	Gypsum Ceiling				
	Gypsum suspended ceiling, laid in on 50 x 50 mm cypress brandering at 600 c/c on one way and 100 x 50 mm cypress brandering at 600 c/c on the other way to Architect's approval as recommended by manufacturer (s)				
C	9mm thick profiled gypsum ceiling complete with and including gypsum tape and three coats of paint.	**m2**	366		
	Acoustic Ceiling				
	Acoustic suspended ceiling, laid in T-grid system to manufacturer's specifications: patterned as per Architects details. Panels and tile to Architect's approval size 600 x 600mm fixed with approved hangers placed at centres as recommended by manufacturer (s)				
D	Accoustic ceiling as Armstrong or other equal and approved mineral fibre acoustic ceiling lining tiles	**m2**	951		
	Perforated laminated MDF Board Ceilings				
	Carried Forward			Ksh	

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	18mm thick Laminated MDF board ceiling boards in panels of 600x800 laid on 75x100 mm double rebated timber grid system patterned as per Architects details. Each MDF Board pannel to have ateleast 9 No Square laser cut perforations of at least 150x150 to Architect's approval fixed with approved hangers placed at centres as recommended by structural engineer to:-				
A	General soffits of perforated MDF Ceilings	**m2**	957		
	Timber Slats Ceilings				
B	Timber slat ceiling comprising of 50x150 mm furnished prime grade wrot cypress at 125 mm C/C bolted together with a 12mm dia bolt on 50x150mm prime grade wrot cypress bearer at 600 C/C all suspended with 16mm dia 500 mm long hooks at 1200mm C/C from the bearers from the soffits of the slab as per the structural engineers detail.	**m2**	480		
C	Ditto but in 25x150mm furnished prime grade wrot cypress at 75 mm ditto	**m2**	480		
	Carried Forward to Summary of Section No. 21			Ksh	
	Section No. 21 Bill No. 13 (45) CEILING FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 74				
	SANITARY FIXTURES				
A	Provide material and labour for fabrication of a Vanity tops for a 4 No counter sink wash hand basin over all size 3900 mm long 600 mm wide composed of 25 mm thick approved granite top back flush and fascia mounted on 75 mm reinforced concrete base supported by 100 mm thick walling.	**No**	6		
	KITCHEN FIXTURES				
B	Provide material and labour for fabricating of a kitchennate work top single drain single bowl stainless steel sink over all size 2400 mm long 600 mm wide composed of 25 mm thick approved granite top and fascia mounted on 75 mm reinforced concrete base supported by 100 mm thick walling.	**No**	1		
	RECEPTION COUNTER				
C	Allow a provisional Sum of Kenya Shillings Seven Hundred and Fifty Thousands only for the Fabrication of the Reception counter to the Architects detail and approval.			SUM	
	ATRIUM DOME				
D	Allow a provisional Sum of Kenya Shillings One Million Five Hundred Thousands only for the Fabrication of the Atrium dome roof structure and roof covering to the Architects detailed design and approval.			SUM	
	Carried Forward to Summary of Section No. 21			Ksh	

Section No. 21
Bill No. 14
(70) BUILDING FIXTURES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

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PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

SECTION SUMMARY - SECOND FLOOR

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	Carried to Final Summary		Ksh	

Section No. 21

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 21				
A	200mm thick approved machine cut walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	581		
	Carried Forward to Summary of Section No. 22			Ksh	
	Section No. 22 Bill No. 1 (21) EXTERNAL WALLING *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 22				
	INTERNAL WALLS				
A	200mm thick approved machine cut walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	775		
B	150 mm thick ditto	**m2**	222		
C	100 mm thick ditto	**m2**	59		
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
D	250 mm thick reinforced concrete lift shaft wall	**m2**	171		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
E	T8 mm bars	**kg**	2,200		
F	T12mm bars	**kg**	4,480		
G	T16mm bars	**kg**	690		
	SAWN FORMWORK TO:-				
H	Vertical sides of 200 mm thick retaining wall	**m2**	343		
	Carried Forward			Ksh	

Section No. 22
Bill No. 2
(22) INTERNAL WALLS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	PARTITIONS				
	Grey powder coated aluminium framed partitions to BS 10 B15 to receive 8mm thick laminated clear glass (measured separately) and 25mm thick Medium Density Fibre (M.D.F) panels with beech laminate all to Architect's details and approval				
A	100 mm thick partitions approximately 2100mm high consisting of 100 x 50mm aluminium transomes and mullions and including all necessary bolts, nuts and rubber gaskets complete with and including 900 mm high 25mm thick scratch proof beech laminate Medium Density Fibre (M.D.F) an the lower part and 1200 mm high 6 mm thick tinted glass.	**m2**	296		
	Carried Forward to Summary of Section No. 22			Ksh	

Section No. 22
Bill No. 2
(22) INTERNAL WALLS

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 23				
	SUSPENDED SLABS				
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
A	175 mm thick suspended slab with an average of 4200mm ceiling height.	**m2**	2,901		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T10mm bars	**kg**	8,174		
C	T12mm bars	**kg**	38,806		
D	T16mm bars (Strong Band)	**kg**	35,000		
	SAWN FORMWORK TO:-				
	Steel plate or maline ply formwork to produce a fair finish to the overall soffits of the slab.				
E	Soffits of 175 mm thick floor slabs with an average of 4200mm ceiling height.	**m2**	2,901		
F	Edges of suspended slab (225 - 300 mm wide)	**m**	323		
G	Ditto but curved ditto	**m**	115		
	Carried Forward to Summary of Section No. 22			Ksh	
	Section No. 22 Bill No. 3 (23) SUSPENDED SLABS *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 24				
	STAIRCASE				
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
A	Waist and steps	**m3**	40		
B	175mm thick landing	**m2**	46		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
C	T8 mm bars	**kg**	1,100		
D	T10mm bars	**kg**	1,100		
E	T12mm bars	**kg**	1,100		
F	T16mm bars	**kg**	1,100		
	Maline ply; steel plate or other equal and approved formwork to:-				
G	Soffits of landing	**m2**	46		
H	Sloping soffits of stairs	**m2**	120		
I	Edges of risers over 75mm but not exceeding 150mm high	**m**	400		
	Carried Forward			Ksh	

Section No. 22
Bill No. 4
(24) STAIRCASE

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Edges of landing over 225mm but not exceeding 300mm high	**m**	55		
B	Open string 300mm high (maximum) including forming profile for treads and risers	**m**	104		
	Carried Forward to Summary of Section No. 22			Ksh	

Section No. 22
Bill No. 4
(24) STAIRCASE

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 28				
	FRAME				
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
A	Columns	**m3**	140		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile ribbed steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T8 mm bars	**kg**	2,175		
C	T20mm bars	**kg**	13,510		
	Maline ply; steel plate or other equal and approved formwork to:-				
D	Vertical sides of columns	**m2**	770		
E	Vertical sides of 600 mm dia circular columns	**m2**	357		
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix in:-				
F	Beams	**m3**	270		
G	Curved edge beam	**m3**	38		
H	Isolated curved fascia beam	**m3**	92		
	Carried Forward			Ksh	

Section No. 22
Bill No. 5
(28) FRAME

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile ribbed steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
A	T8 mm bars	**kg**	7,900		
B	T16mm bars	**kg**	14,285		
C	T25mm bars	**kg**	43,809		
D	T32mm bars	**kg**	130,476		
	Maline ply; steel plate or other equal and approved formwork to:-				
E	Sides and soffits of beams	**m2**	1,635		
F	Sides and soffits of isolated curced beams	**m2**	678		
	Carried Forward to Summary of Section No. 22			Ksh	

Section No. 22
Bill No. 5
(28) FRAME

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 31				
	EXTERNAL OPENINGS				
	The following in 10mm thick approved colour laminated cool-lite solar glass glazing windows complete with and including permanent vent with mosquito qauge in structural visible bronze powder coated aluminium framing mounted all as per the fabricators detail but subject to Architects approval. (Works to be executed by an approved domestic subcontractor)				
A	Window over all size 43000x3550 mm high comprising 66 No equal bottom fixed lights each size 650x900 mm high; 66 No equal intermediate sliding openable lights each size 650x1200 mm high; 43000x450 mm high horrizontal aluminium louver vent and 66 No equal top fixed lights each size 650x1000 mm high.	**No**	4		
B	Window over all size 3600x3550 mm high comprising 6 No equal bottom fixed lights each size 650x900 mm high; 6 No equal intermediate sliding openable lights each size 650x1200 mm high; 3600x450 mm high horrizontal aluminium louver vent and 6 No equal top fixed lights each size 650x1000 mm high.	**No**	4		
C	Window over all size 5500x3550 mm high comprising 9No equal bottom fixed lights each size 650x900 mm high; 9No equal intermediate sliding openable lights each size 650x1200 mm high; 5500x450 mm high horrizontal aluminium louver vent and 9No equal top fixed lights each size 650x1000 mm high.	**No**	4		
D	Window over all size 5900x3550 mm high comprising 9 No equal bottom fixed lights each size 650x900 mm high; 9 No equal intermediate sliding openable lights each size 650x1200 mm high; 5900x450 mm high horrizontal aluminium louver vent and 9 No equal top fixed lights each size 650x1000 mm high.	**No**	4		
	Carried Forward			Ksh	

Section No. 22
Bill No. 6
(31) EXTERNAL OPENING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Window over all size 2500x3550 mm high comprising 4No equal bottom fixed lights each size 650x900 mm high; 4No equal intermediate sliding openable lights each size 650x1200 mm high; 5900x450 mm high horrizontal aluminium louver vent and 4No equal top fixed lights each size 650x1000 mm high.	**No**	2		
B	Window over all size 4100x3550 mm high comprising 6 No equal bottom fixed lights each size 650x900 mm high; 6 No equal intermediate sliding openable lights each size 650x1200 mm high; 4100x450 mm high horrizontal aluminium louver vent and 6 No equal top fixed lights each size 650x1000 mm high.	**No**	2		
C	Window over all size 4975x3550 mm high comprising 8 No equal bottom fixed lights each size 650x900 mm high; 8 No equal intermediate sliding openable lights each size 650x1200 mm high; 4975x450 mm high horrizontal aluminium louver vent and 8 No equal top fixed lights each size 650x1000 mm high.	**No**	2		
D	Window over all size 5100x3550 mm high comprising 8 No equal bottom fixed lights each size 650x900 mm high; 8 No equal intermediate sliding openable lights each size 650x1200 mm high; 5100x450 mm high horrizontal aluminium louver vent and 8 No equal top fixed lights each size 650x1000 mm high.	**No**	2		
E	Window over all size 5500x3550 mm high comprising 9 No equal bottom fixed lights each size 650x900 mm high; 9 No equal intermediate sliding openable lights each size 650x1200 mm high; 5500x450 mm high horrizontal aluminium louver vent and 9 No equal top fixed lights each size 650x1000 mm high.	**No**	4		
	Carried Forward			Ksh	

Section No. 22
Bill No. 6
(31) EXTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Window over all size 14000x3550 mm high comprising 21 No equal bottom fixed lights each size 650x900 mm high; 21 No equal intermediate sliding openable lights each size 650x1200 mm high; 14000x450 mm high horrizontal aluminium louver vent and 21 No equal top fixed lights each size 650x1000 mm high.	**No**	1		
	Window Boards				
	Wrot Mahogany				
B	250mm x 50mm window board with 1 No. labours plugged	**m**	523		
C	12mm diameter quadrant beading, plugged	**m**	523		
	Precast concrete weathered and throated window cills				
D	Window cill over all size 275 x 100 mm high with 3 No labour.	**m**	523		
	Painting and Decorating				
	Prepare and apply one coat aluminium wood primer on back of timber from Crown-Berger (K) Limited or other equal and approved manufacturer before fixing				
E	Surfaces over 200mm but not exceeding 300mm girth	**m**	523		
F	Ditto not exceeding 100mm girth	**m**	523		
	Knot, Prime, Stop, prepare and apply three coats "Two Pack" varnish from Crown-Berger (K) Limited or other equal and approved manufacturer on timber surfaces				
G	Over 200mm but not exceeding 300mm girth	**m**	523		
	Carried Forward			Ksh	

Section No. 22
Bill No. 6
(31) EXTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Ditto not exceeding 100mm girth	**m**	523		
	Aluminium Sunshading Devices				
B	Supply and fix 43000 x 3550 mm high Aluminium sun shading in modules of 1300x3550mm high comprising of 50x120x2.1 mm thick Aluminium Rectangular Hollow Section (ARHS) Weighing 2.03KG/LM framing and 50x120x2.1mm thick ARHS hollizontal slats at 350 mm C/C all reveted or bolted together as per the Architects detail and approval.	**No**	8		
C	4200 mm long 900 mm wide x 100 mm thick smooth surfaced reinforced precast concrete class 25 vertical sunshadings reinforced in T12 mm bars at 150 mm C/C both ways ancoured at 1300 mm C/C to the structural engineers detailed design and approval with and including three coats of approved colour silicone exterior paint.	**No**	176		
	Carried Forward to Summary of Section No. 22			Ksh	

Section No. 22
Bill No. 6
(31) EXTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 32				
	INTERNAL OPENINGS				
	DOORS				
	TIMBER DOORS (Provisional)				
	Wrot hardwood (Mahogany)				
A	15mm Quadrant	**m**	331		
B	40x12mm Architrave	**m**	331		
C	250x50mm Frame with four labours	**m**	331		
	Wrot Mahogany pannel door				
D	45 mm thick mahogany panel door overall size 1000 x 2800 mm high comprising of a single leaf overall size 1000x2400mm high and 5 mm thick glazed fanlight overall size 1000x400 mm high all as per the Architects detail.	**No**	19		
E	45 mm thick mahogany panel double door overall size 1800 x 2800 mm high comprising of 2No leaves each overall size 900x2400mm high and a 5 mm thick glazed fanlight overall size 1000x400 mm high all as per the Architects detail.	**No**	5		
	Solid Core Flush Door				
	Carried Forward			Ksh	

Section No. 22
Bill No. 7
(32) INTERNAL OPENING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	The following in 45 mm thick solid core, scratch proof embossed mahogany veneered Doors with hardwood lipping all round as per an approved supplier catalogue and to the architects detail and approval.				
A	Single leaf single swing door overall size 900mm x 2400 mm high having 1 No openable leave size 900 x 2100 mm high and one fixed light size 900 x 300 mm high as per the Architects detail	**No**	21		
	Supply and fix the following ironmongery with screws to match (Ref. is to Union Catalogue or other equal and approved)				
B	100mm stainless steel butt hinges with steel screws	**Pairs**	57		
C	2-Lever mortice lock complete with Satin Finished lever handles	**No**	18		
D	3-Lever mortice lock complete with Satin Finished lever handles	**No**	19		
E	3-Lever rebated mortice lock complete with aluminium lever handles	**No**	4		
F	Rubber door stop fixed to concrete floor,or masonry walling with and including 38mm rawl bolt	**No**	37		
G	Female / Male sign (Union 5692)	**No**	4		
H	Kick plate 1200 x 450 x 2 mm thick	**Pairs**	8		
I	Surface mounted panic bolts for single door type briton 373 and fitted with cylinder key locking attachment to match	**No**	2		
J	Door closer type briton 2003	**No**	8		
	Carried Forward			Ksh	

Section No. 22
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Indicator bolts (union 8094)	**No**	18		
	("Crown") aluminium or other equal and approved wood primer				
B	Back of wood surface exceeding 100mm girth but not exceeding 200mm girth	**m**	331		
	Prepare and apply three coats 'crown' or other similar and approved polyurethane clear varnish on:-				
C	General surfaces	**m2**	178		
D	Ditto over 200mm but not exceeding 300mm girth	**m**	1,200		
	Carried Forward			Ksh	

Section No. 22
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	DUCT DOORS				
	Supply and fix the following 20 mm thick (finished) particle board doors faced on both sides with postformed laminate to the Architect's details				
A	Double leaf single swing door overall size 800mm x 2800 mm high	**No**	22		
	Wrot Hardwood (Mahogany)				
B	15mm Quadrant	**m**	100		
C	40x12mm Architrave	**m**	100		
D	250x50mm Frame with four labours	**m**	100		
	Supply and fix the following ironmongery with screws to match (Ref. is to Union Catalogue or other equal and approved)				
E	100mm steel butt hinges with steel screws	**Pairs**	66		
F	3-Lever mortice lock complete with aluminium lever handles	**No**	22		
G	300 x 10 mm dia stainless steel D Handles.	**No**	44		
H	300x100x3 mm thick plate with maximum 15 letter word engraving on the surface.	**No**	22		
	("Crown") aluminium or other equal and approved wood primer				
I	Back of wood surface exceeding 100mm girth but not exceeding 200mm girth	**m**	100		
	Carried Forward			Ksh	

Section No. 22
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Prepare and apply three coats 'crown' or other similar and approved polyurethane clear varnish on:-				
	General surfaces	**m2**	100		
A	Ditto over 200mm but not exceeding 300mm girth	**m**	300		
	Fire Door				
B	Supply and fix approved quality double leaf fire door rated FD90 overall size 900x2400 high compliant to BS 476 part 22 complete with and including the door frame and all the necessary recommened Door closers, seals and ironmongery all the Architects detail and aproval.	**No**	2		
	Pre-cast Concrete				
C	200x450x1500 mm long precast concrete class 25 lintels comprising of 4 N0 D12 main bars and rings in D8 at 150mm C/C all as per the Engineers detail and approval	**No**	45		
	ALUMINIUM DOORS				
	Carried Forward			Ksh	

Section No. 22
Bill No. 7
(32) INTERNAL OPENING

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Providing, fabricating and fixing aluminium framed doors fabricated from composite extruded powder coated (approved colour) heavy duty approved aluminium section 105 x 50 x minimum 2.5 mm thick; including glazing with 6 mm georgian wired glass; glass secured to aluminium door framing stiles top middle and bottom rails using approved glazing strips and glazing beads including waterproofing all joints using approved silicon sealing compound and including approved aluminium brackets; all necessary approved ironmongery (Union or other equal and approved) fixing with aluminium screws plugging or fixing on aluminium framing; sealing with mastic; oiling and adjusting on completion.				
A	Double leaved door over all size 900 x 2400 mm high having 1 No openable leaves each size 900 x 2100 mm high and one fixed light size 900 x 300 mm high as per the Architects	**No**	12		
	Carried Forward to Summary of Section No. 22			Ksh	

Section No. 22
Bill No. 7
(32) INTERNAL OPENING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 32				
	BALUSTRADES				
	The following in 1100 mm high 10 mm thick laminated glass balustrading:-				
A	75 mm diameter 3mm thick CHS handrail welded to balusters (measured separately) to approval	**m**	75		
B	50 x 25 x 2.0 mm thick RHS bottom and top rail welded to balusters (measured separately) to approval	**m**	152		
C	50mm diameter 2mm Thick CHS balusters one end grouted onto concrete treads and other end welded to 50 mm diameter x 2 mm thick handrail (measured separately)	**m**	170		
D	Extra over ditto for 150 mm diameter 6 mm thick stainless steel baseplate machined as per the architects detail and approval.	**No**	142		
E	10 mm thick laminated blue tinted glass over all size 600 x 1100 mm high fix with and including 10 x 10 x 1.5 mm thick RHS glazing beads all round all as per the Architects detail and approval.	**No**	142		
	Carried Forward to Summary of Section No. 22			Ksh	
	Section No. 22 Bill No. 8 (34) BALUSTRADES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 41				
	EXTERNAL WALL FINISHES				
	12mm thick gauged cement, lime putty and sand (1:2:9) plaster to:-				
A	Masonry or concrete surfaces	**m2**	953		
	Painting and Decorating with "Dura coat" or other equal and approved product (s)				
	Prepare and apply a coat of Acrylic Siloxanic KP1 1.5 mm Anti-mould Anti Algae Textured wall Coating on:-				
B	Plastered surfaces	**m2**	953		
	Carried Forward to Summary of Section No. 22			Ksh	

Section No. 22
Bill No. 9
(41) EXTERNAL WALL FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 42				
	INTERNAL WALL FINISHES				
	12mm thick gauged cement, lime putty and sand (1:2:9) plaster to:-				
A	Masonry or concrete surfaces	**m2**	1,936		
	Painting and Decorating with "Basco Paints" or other equal and approved product (s)				
	Prepare and apply three coats silk vinyl paint from Basco Paints or other equal and approved manufacturer on:-				
B	Plastered surfaces	**m2**	1,936		
	Cement and sand (1:4) in:-				
	CERAMIC WALL TILES				
C	15mm thick backing prepared to receive ceramic tiles (measured separately)	**m2**	766		
	Ceramic wall tiles as per Saj Ceramic Tiles catalogue or other eaual and approved				
D	Supply and fix approved quality 6 mm thick coloured ceramic wall tiles fixed on screed (measured separately) with an approved adhesive including pointing in white cement	**m2**	766		
	SUPERIOR QUALITY GRANITE WALL TILES				
E	25mm thick backing prepared to receive granite tiles (measured separately)	**m2**	174		
	Carried Forward			Ksh	

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Superior Quality 600 x 300 Granite wall tiles as per as per tile and carpet catalogue or other eaual and approved				
A	600 x 300 x 25mm thick superior quality matt finished granite wall tiles as per tile and carpet catalogue including pointing in coloured cement	**m2**	174		
	Feature Wall				
B	Allow a provisional sum of Kenya Shillings Seven Hundred and Fifty thousands (Kshs 750,000.00) Only for Works associated with feature wall all to the Architects detail and approval.			SUM	
	Carried Forward to Summary of Section No. 22			Ksh	

Section No. 22
Bill No. 10
(42) INTERNAL WALL FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 43				
	FLOOR FINISHES				
	Cement and sand (1:4) screed in:-				
A	32 mm steel trowelled screed to receive ceramic tiles ditto	**m2**	161		
	Ceramic Tiles				
B	300 x 300 x 8mm thick coloured non-slip ceramic floor tiles including pointing in white cement	**m2**	161		
	Cement and sand (1:4) screed in:-				
C	32mm thick ditto granite floor tiles ditto	**m2**	156		
	Superior Quality Matt Granite Floor Tiles				
D	300 x 600 x 25mm thick superior quality matt finished granite floor tiles as per tile and carpet catalogue including pointing in coloured cement	**m2**	156		
	Cement and sand (1:4) screed in:-				
E	32mm thick ditto granito floor tiles ditto	**m2**	2,550		
	Superior Quality Granitto Floor Tiles				
F	600 x 300 x 12mm thick superior quality matt finished granito floor tiles as per tile and carpet catalogue including pointing in coloured cement (Area measured net inclusive of 100 mm high skirting)	**m2**	2,550		
	Carried Forward to Summary of Section No. 22			Ksh	
	Section No. 22 Bill No. 11 (43) FLOOR FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 44				
	STAIR CASE FINISHES (FIRE ESCAPE & SERVICE)				
	32mm thick cement sand (1:4) screed in:				
A	Landing	**m2**	14		
B	Closed strings 300mm high	**m**	56		
C	300mm wide treads	**m**	151		
D	165mm high risers	**m**	151		
	Approved Superior Quality Granite Floor Tiles				
E	300 x 600 x 25mm thick matt and seamless fininished granite floor tiles to the Architect Approval	**m2**	14		
F	Ditto in 300 mm wide treads including non-slip grooves	**m**	151		
G	Ditto edges of risers 150mm high risers	**m**	151		
H	Ditto 100mm high skirting	**m**	30		
I	100x325 mm long (average) trapezoidal step edges.	**No**	168		
J	100x150 mm long (average) trapezoidal riser edges.	**No**	168		
	12mm thick gauged 1:2:9 render in:-				
K	Horizontal soffits of landing	**m2**	14		
L	Sloping soffits of stairs	**m2**	141		
	Painting and Decorating				
	Carried Forward			Ksh	

Section No. 22
Bill No. 12
(44) STAIR FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Prepare and apply three coats plastic emulsion paint to:-				
A	Rendered concrete surfaces	**m2**	155		
	Staircase and Ramp Balustrades				
	The following in stainless steel sections`				
B	50 mm diameter 3mm thick CHS handrail welded to balusters (measured separately) to approval	**m**	56		
C	50 mm diameter 3mm thick CHS handrail welded to brackets plugged into wall to approval	**m**	56		
D	50 x 20 x 1.5 mm thick RHS bottom and top rail welded to balusters (measured separately) to approval	**m**	226		
E	35mm diameter 2mm Thick CHS balusters one end grouted onto concrete treads and other end welded to 50 mm diameter x 2 mm thick handrail (measured separately)	**m**	56		
	STAIR CASE FINISHES (ATRIUM VOID)				
	32mm thick cement sand (1:4) screed in:				
F	Landing	**m2**	18		
G	325mm wide treads (Average)	**m**	269		
H	165mm high risers	**m**	269		
	Approved Superior Quality Granite Floor Tiles				
I	300 x 600 x 25mm thick matt and seamless fininished granite floor tiles to the Architect Approval	**m2**	18		
	Carried Forward			Ksh	

Section No. 22
Bill No. 12
(44) STAIR FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Ditto in 300 mm wide (Average) treads including non-slip grooves	**m**	269		
B	Ditto edges of risers 165mm high risers	**m**	269		
C	Ditto 100mm high skirting	**m**	26		
D	100x325 mm long (average) trapezoidal step edges.	**No**	224		
E	100x150 mm long (average) trapezoidal riser edges.	**No**	224		
	12mm thick gauged 1:2:9 render in:-				
F	Horizontal soffits of landing	**m2**	18		
G	Sloping soffits of stairs	**m2**	90		
	Painting and Decorating				
	Prepare and apply three coats plastic emulsion paint to:-				
H	Rendered concrete surfaces	**m2**	108		
	Wrot Prime Grade Cypress				
I	75x50 mm wrot prime grade cypress timber slats plugged to sloping soffits of plastered surfaces at 100 mm C/C complete with and including three coats of approved tainted polyurethane wood furnish all to the architects detail and approval.	**m**	902		
	Staircase Balustrades				
	The following in stainless steel sections`				
J	75 mm diameter 3mm thick CHS handrail welded to brackets plugged into wall to approval	**m**	75		
	Carried Forward			Ksh	

Section No. 22
Bill No. 12
(44) STAIR FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	150mm thick approved machine cut curved inclined walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	83		
	12mm thick gauged 1:2:9 render to:-				
B	Vertical sides of wall balustrading	**m2**	196		
	Painting and Decorating				
	Prepare and apply three coats plastic emulsion paint to:-				
C	Rendered concrete surfaces	**m2**	196		
	Prime grade cypress wall clading				
D	Provide and fix 20x100 mm prime grade T&G panneling plugged to sloping soffits of plastered surfaces at 100 mm C/C complete with and including three coats of approved tainted polyurethane wood furnish all to the architects detail and approval.	**m2**	196		
	Prime grade mahogany timber wall coping				
E	50x250 mm wrot prime grade mahogany timber wall coping with 200 x 25 mm deep chasing complete with and including three coats of approved tainted polyurethane wood furnish all to the architects detail and approval.	**m**	75		
	Carried Forward to Summary of Section No. 22			Ksh	

Section No. 22
Bill No. 12
(44) STAIR FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 45				
	CEILING FINISHES				
	Cement and sand (1:4) screed in:-				
A	Horizontal soffits of suspended floor slab not exceeding 3.50m above floor level	**m2**	3,221		
	Prepare and apply three coats plastic emulsion paint on:-				
B	Plastered soffits of suspended slab not exceeding 3.50m above floor level	**m2**	3,221		
	Gypsum Ceiling				
	Gypsum suspended ceiling, laid in on 50 x 50 mm cypress brandering at 600 c/c on one way and 100 x 50 mm cypress brandering at 600 c/c on the other way to Architect's approval as recommended by manufacturer (s)				
C	9mm thick profiled gypsum ceiling complete with and including gypsum tape and three coats of paint.	**m2**	366		
	Acoustic Ceiling				
	Acoustic suspended ceiling, laid in T-grid system to manufacturer's specifications: patterned as per Architects details. Panels and tile to Architect's approval size 600 x 600mm fixed with approved hangers placed at centres as recommended by manufacturer (s)				
D	Accoustic ceiling as Armstrong or other equal and approved mineral fibre acoustic ceiling lining tiles	**m2**	951		
	Perforated laminated MDF Board Ceilings				
	Carried Forward			Ksh	

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	18mm thick Laminated MDF board ceiling boards in panels of 600x800 laid on 75x100 mm double rebated timber grid system patterned as per Architects details. Each MDF Board pannel to have ateleast 9 No Square laser cut perforations of at least 150x150 to Architect's approval fixed with approved hangers placed at centres as recommended by structural engineer to:-				
A	General soffits of perforated MDF Ceilings	**m2**	957		
	Timber Slats Ceilings				
B	Timber slat ceiling comprising of 50x150 mm furnished prime grade wrot cypress at 125 mm C/C bolted together with a 12mm dia bolt on 50x150mm prime grade wrot cypress bearer at 600 C/C all suspended with 16mm dia 500 mm long hooks at 1200mm C/C from the bearers from the soffits of the slab as per the structural engineers detail.	**m2**	480		
C	Ditto but in 25x150mm furnished prime grade wrot cypress at 75 mm ditto	**m2**	480		
	Carried Forward to Summary of Section No. 22			Ksh	
	Section No. 22 Bill No. 13 (45) CEILING FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 74				
	SANITARY FIXTURES				
A	Provide material and labour for fabrication of a Vanity tops for a 4 No counter sink wash hand basin over all size 3900 mm long 600 mm wide composed of 25 mm thick approved granite top back flush and fascia mounted on 75 mm reinforced concrete base supported by 100 mm thick walling.	**No**	6		
	KITCHEN FIXTURES				
B	Provide material and labour for fabricating of a kitchennate work top single drain single bowl stainless steel sink over all size 2400 mm long 600 mm wide composed of 25 mm thick approved granite top and fascia mounted on 75 mm reinforced concrete base supported by 100 mm thick walling.	**No**	1		
	Carried Forward to Summary of Section No. 22			Ksh	

Section No. 22
Bill No. 14
(70) BUILDING FIXTURES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

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PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

SECTION SUMMARY - THIRD FLOOR

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Carried to Final Summary Ksh

Section No. 22

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	SECTION 11				
	TYPICAL FLOOR (2 - 6)				
	ELEMENT 21				
A	200mm thick approved machine cut walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	257		
	Carried Forward to Summary of Section No. 23			Ksh	
	Section No. 23 Bill No. 1 (21) EXTERNAL WALLING *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 22				
	INTERNAL WALLS				
A	200mm thick approved machine cut walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	743		
B	150 mm thick ditto	**m2**	322		
C	100 mm thick ditto	**m2**	84		
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 25 all as per the engineers approved trial mix with cement type 32.5 in:-				
D	250 mm thick reinforced concrete lift shaft wall	**m2**	171		
	REINFORCEMENT				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
E	T8 mm bars	**kg**	2,200		
F	T12mm bars	**kg**	4,480		
G	T16mm bars	**kg**	690		
	SAWN FORMWORK TO:-				
H	Vertical sides of 200 mm thick retaining wall	**m2**	343		
	Carried Forward to Summary of Section No. 23			Ksh	

Section No. 23
Bill No. 2
(22) INTERNAL WALLS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 23				
	SUSPENDED SLABS				
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 25 all as per the engineers approved trial mix with cement grade 32.5 or other equal and approved in:-				
A	175 mm thick suspended slab with an average of 4200mm ceiling height.	**m2**	1,443		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T10mm bars	**kg**	4,087		
C	T12mm bars	**kg**	19,403		
D	T16mm bars (Strong Band)	**kg**	35,000		
	SAWN FORMWORK TO:-				
	Steel plate or maline ply formwork to produce a fair finish to the overall soffits of the slab.				
E	Soffits of 175 mm thick floor slabs with an average of 4200mm ceiling height.	**m2**	1,443		
F	Edges of suspended slab (225 - 300 mm wide)	**m**	323		
G	Ditto but curved ditto	**m**	115		
	Carried Forward to Summary of Section No. 23			Ksh	
	Section No. 23 Bill No. 3 (23) SUSPENDED SLABS *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 24				
	STAIRCASE				
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix with cement type 42.5 in:-				
A	Waist and steps	**m3**	40		
B	175mm thick landing	**m2**	46		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
C	T8 mm bars	**kg**	1,100		
D	T10mm bars	**kg**	1,100		
E	T12mm bars	**kg**	1,100		
F	T16mm bars	**kg**	1,100		
	Maline ply; steel plate or other equal and approved formwork to:-				
G	Soffits of landing	**m2**	46		
H	Sloping soffits of stairs	**m2**	120		
I	Edges of risers over 75mm but not exceeding 150mm high	**m**	400		
	Carried Forward			Ksh	

Section No. 23
Bill No. 4
(24) STAIRCASE

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Edges of landing over 225mm but not exceeding 300mm high	**m**	55		
B	Open string 300mm high (maximum) including forming profile for treads and risers	**m**	104		
	Carried Forward to Summary of Section No. 23			Ksh	

Section No. 23
Bill No. 4
(24) STAIRCASE

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 28				
	FRAME				
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 25 all as per the engineers approved trial mix in:-				
A	Columns	**m3**	140		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile ribbed steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T8 mm bars	**kg**	2,175		
C	T20mm bars	**kg**	13,510		
	Maline ply; steel plate or other equal and approved formwork to:-				
D	Vertical sides of columns	**m2**	770		
E	Vertical sides of 600 mm dia circular columns	**m2**	357		
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 25 all as per the engineers approved trial mix in:-				
F	Beams	**m3**	149		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	Carried Forward			Ksh	

Section No. 23
Bill No. 5
(28) FRAME
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	High tensile ribbed steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
A	T8 mm bars	**kg**	3,160		
B	T16mm bars	**kg**	5,714		
C	T25mm bars	**kg**	17,524		
D	T32mm bars	**kg**	52,190		
	Maline ply; steel plate or other equal and approved formwork to:-				
E	Sides and soffits of beams	**m2**	958		
	Carried Forward to Summary of Section No. 23			Ksh	

Section No. 23
Bill No. 5
(28) FRAME

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 31				
	EXTERNAL OPENINGS				
	The following in 10mm thick approved colour laminated cool-lite solar glass glazing windows complete with and including permanent vent with mosquito qauge in structural invisible bronze powder coated aluminium framing mounted all as per the fabricators detail but subject to Architects approval. (Works to be executed by an approved domestic subcontractor)				
A	Window over all size 5000x3550 mm high comprising 8 No equal bottom fixed lights each size 650x900 mm high; 8 No equal intermediate sliding openable lights each size 650x1200 mm high; 5000x450 mm high horrizontal aluminium louver vent and 8 No equal top fixed lights each size 650x1000 mm high.	**No**	8		
B	Window over all size 4500x3550 mm high comprising 7 No equal bottom fixed lights each size 650x900 mm high; 7 No equal intermediate sliding openable lights each size 650x1200 mm high; 4500x450 mm high horrizontal aluminium louver vent and 7 No equal top fixed lights each size 650x1000 mm high.	**No**	8		
C	Window over all size 5500x3550 mm high comprising 9 No equal bottom fixed lights each size 650x900 mm high; 9 No equal intermediate sliding openable lights each size 650x1200 mm high; 5500x450 mm high horrizontal aluminium louver vent and 9 No equal top fixed lights each size 650x1000 mm high.	**No**	18		
D	Window over all size 7800x3550 mm high comprising 12 No equal bottom fixed lights each size 650x900 mm high; 12 No equal intermediate sliding openable lights each size 650x1200 mm high; 7800x450 mm high horrizontal aluminium louver vent and 12 No equal top fixed lights each size 650x1000 mm high.	**No**	4		
	Carried Forward			Ksh	

Section No. 23
Bill No. 6
(31) EXTERNAL OPENING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Window over all size 6100x3550 mm high comprising 9 No equal bottom fixed lights each size 650x900 mm high; 9 No equal intermediate sliding openable lights each size 650x1200 mm high; 6100x450 mm high horrizontal aluminium louver vent and 9 No equal top fixed lights each size 650x1000 mm high.	**No**	4		
B	Window over all size 6500x3550 mm high comprising 10 No equal bottom fixed lights each size 650x900 mm high; 10 No equal intermediate sliding openable lights each size 650x1200 mm high; 6500x450 mm high horrizontal aluminium louver vent and 10 No equal top fixed lights each size 650x1000 mm high.	**No**	1		
C	Window over all size 9600x3550 mm high comprising 15 No equal bottom fixed lights each size 650x900 mm high; 15 No equal intermediate sliding openable lights each size 650x1200 mm high; 9600x450 mm high horrizontal aluminium louver vent and 15 No equal top fixed lights each size 650x1000 mm high.	**No**	1		
	Window Boards				
	Wrot Mahogany				
D	250mm x 50mm window board with 1 No. labours plugged	**m**	523		
E	12mm diameter quadrant beading, plugged	**m**	523		
	Precast concrete weathered and throated window cills				
F	Window cill over all size 275 x 100 mm high with 3 No labour.	**m**	523		
	Painting and Decorating				
	Carried Forward			Ksh	

Section No. 23
Bill No. 6
(31) EXTERNAL OPENING

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Prepare and apply one coat aluminium wood primer on back of timber from Crown-Berger (K) Limited or other equal and approved manufacturer before fixing				
A	Surfaces over 200mm but not exceeding 300mm girth	**m**	523		
B	Ditto not exceeding 100mm girth	**m**	523		
	Knot, Prime, Stop, prepare and apply three coats "Two Pack" varnish from Crown-Berger (K) Limited or other equal and approved manufacturer on timber surfaces				
C	Over 200mm but not exceeding 300mm girth	**m**	523		
D	Ditto not exceeding 100mm girth	**m**	523		
	Aluminium Sunshading Devices				
E	Supply and fix 2000x4200mm high Aluminium sunshading devise comprising of 50x120x2.1 mm thick Aluminium Rectangular Hollow Section (ARHS) Weighing 2.03KG/LM framing and 50x120x2.1mm thick ARHS hollizontal slats at 350 mm C/C all reveted or bolted together as per the Architects detail and approval.	**No**	287		
	Carried Forward to Summary of Section No. 23			Ksh	

Section No. 23
Bill No. 6
(31) EXTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 32				
	INTERNAL OPENINGS				
	DOORS				
	TIMBER DOORS (Provisional)				
	Wrot hardwood (Mahogany)				
A	15mm Quadrant	**m**	496		
B	40x12mm Architrave	**m**	496		
C	250x50mm Frame with four labours	**m**	496		
	Wrot Mahogany pannel door				
D	45 mm thick mahogany panel door overall size 1000 x 2800 mm high comprising of a single leaf overall size 1000x2400mm high and 5 mm thick glazed fanlight overall size 1000x400 mm high all as per the Architects detail.	**No**	21		
E	45 mm thick mahogany panel double door overall size 1800 x 2800 mm high comprising of 2No leaves each overall size 900x2400mm high and a 5 mm thick glazed fanlight overall size 1000x400 mm high all as per the Architects detail.	**No**	15		
	Solid Core Flush Door				
	Carried Forward			Ksh	

Section No. 23
Bill No. 7
(32) INTERNAL OPENING

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	The following in 45 mm thick scratch proof embossed mahogany veneered Doors with hardwood lipping all round as per an approved supplier catalogue and to the architects detail and approval.				
A	Single leaf single swing door overall size 900mm x 2400 mm high having 1 No openable leave size 900 x 2100 mm high and one fixed light size 900 x 300 mm high as per the Architects detail	**No**	25		
	Supply and fix the following ironmongery with screws to match (Ref. is to Union Catalogue or other equal and approved)				
B	100mm steel butt hinges with steel screws	**Pairs**	89		
C	2-Lever mortice lock complete with aluminium lever handles	**No**	18		
D	3-Lever mortice lock complete with aluminium lever handles	**No**	19		
E	3-Lever rebated mortice lock complete with aluminium lever handles	**No**	11		
F	Rubber door stop fixed to concrete floor,or masonry walling with and including 38mm rawl bolt	**No**	59		
G	Female / Male sign (Union 5692)	**No**	4		
H	Kick plate 1200 x 450 x 2 mm thick	**Pairs**	12		
I	Surface mounted panic bolts for single door type briton 373 and fitted with cylinder key locking attachment to match	**No**	2		
J	Door closer type briton 2003	**No**	6		
	Carried Forward			Ksh	

Section No. 23
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Indicator bolts (union 8094)	**No**	18		
	("Crown") aluminium or other equal and approved wood primer				
B	Back of wood surface exceeding 100mm girth but not exceeding 200mm girth	**m**	1,487		
	Prepare and apply three coats 'crown' or other similar and approved polyurethane clear varnish on:-				
C	General surfaces	**m2**	223		
D	Ditto over 200mm but not exceeding 300mm girth	**m**	1,487		
	Carried Forward			Ksh	

Section No. 23
Bill No. 7
(32) INTERNAL OPENING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	DUCT DOORS				
	Supply and fix the following 20 mm thick (finished) particle board doors faced on both sides with postformed laminate to the Architect's details				
A	Double leaf single swing door overall size 800mm x 2800 mm high	**No**	22		
	Wrot Hardwood (Mahogany)				
B	15mm Quadrant	**m**	100		
C	40x12mm Architrave	**m**	100		
D	250x50mm Frame with four labours	**m**	100		
	Supply and fix the following ironmongery with screws to match (Ref. is to Union Catalogue or other equal and approved)				
E	100mm steel butt hinges with steel screws	**Pairs**	66		
F	3-Lever mortice lock complete with aluminium lever handles	**No**	22		
G	300 x 10 mm dia stainless steel D Handles.	**No**	44		
H	300x100x3 mm thick plate with maximum 15 letter word engraving on the surface.	**No**	22		
	("Crown") aluminium or other equal and approved wood primer				
I	Back of wood surface exceeding 100mm girth but not exceeding 200mm girth	**m**	100		
	Carried Forward			Ksh	

Section No. 23
Bill No. 7
(32) INTERNAL OPENING

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Prepare and apply three coats 'crown' or other similar and approved polyurethane clear varnish on:-				
	General surfaces	**m2**	100		
A	Ditto over 200mm but not exceeding 300mm girth	**m**	300		
	Carried Forward to Summary of Section No. 23			Ksh	

Section No. 23
Bill No. 7
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 32				
	BALUSTRADES				
	The following in stainless steel sections				
A	50 mm diameter 3mm thick CHS handrail welded to balusters (measured separately) to approval	**m**	135		
B	50 mm diameter 3mm thick CHS handrail welded to brackets plugged into wall to approval	**m**	135		
C	50 x 20 x 1.5 mm thick RHS bottom and top rail welded to balusters (measured separately) to approval	**m**	270		
D	35mm diameter 2mm Thick CHS balusters one end grouted onto concrete treads and other end welded to 50 mm diameter x 2 mm thick handrail (measured separately)	**m**	165		
E	Extra over ditto for 150 mm diameter 6 mm thick stainless steel baseplate machined as per the architects detail and approval.	**No**	213		
F	6 mm thick laminated blue tinted glass over all size 900 x 580 mm high fix with and including 10 x 10 x 1.5 mm thick RHS glazing beads all round all as per the Architects detail and approval.	**No**	213		
	Carried Forward to Summary of Section No. 23			Ksh	

Section No. 23
Bill No. 8
(34) BALUSTRADES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 41				
	EXTERNAL WALL FINISHES				
	12mm thick gauged cement, lime putty and sand (1:2:9) plaster to:-				
A	Masonry or concrete surfaces	**m2**	953		
	Painting and Decorating with "Dura coat" or other equal and approved product (s)				
	Prepare and apply a coat of Acrylic Siloxanic KP1 1.5 mm Anti-mould Anti Algae Textured wall Coating on:-				
B	Plastered surfaces	**m2**	953		
	Carried Forward to Summary of Section No. 23			Ksh	

Section No. 23
Bill No. 9
(41) EXTERNAL WALL FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 42				
	INTERNAL WALL FINISHES				
	12mm thick gauged cement, lime putty and sand (1:2:9) plaster to:-				
A	Masonry or concrete surfaces	**m2**	1,490		
	Painting and Decorating with "Basco Paints" or other equal and approved product (s)				
	Prepare and apply three coats silk vinyl paint from Basco Paints or other equal and approved manufacturer on:-				
B	Plastered surfaces	**m2**	1,490		
	Cement and sand (1:4) in:-				
	CERAMIC WALL TILES				
C	15mm thick backing prepared to receive ceramic tiles (measured separately)	**m2**	888		
	Ceramic wall tiles as per Saj Ceramic Tiles catalogue or other eaual and approved				
D	Supply and fix approved quality 6 mm thick coloured ceramic wall tiles fixed on screed (measured separately) with an approved adhesive including pointing in white cement (Possible tile codes shall be 9632 or SM1or 9544 or SM10 or 9564 or 9564)	**m2**	888		
	SUPERIOR QUALITY GRANITE WALL TILES				
E	25mm thick backing prepared to receive granite tiles (measured separately)	**m2**	174		
	Carried Forward			Ksh	

Section No. 23
Bill No. 10
(42) INTERNAL WALL FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Superior Quality 600 x 300 Granite wall tiles as per as per tile and carpet catalogue or other eaual and approved				
A	600 x 300 x 25 mm thick superior quality matt finished granite wall tiles as per tile and carpet catalogue including pointing in coloured cement	**m2**	174		
	Feature Wall				
B	Allow a provisional sum of Kenya Shillings Seven Hundred Fifty thousands (Kshs 750,000.00) Only for Works associated with feature wall all to the Architects detail and approval.			SUM	
	Carried Forward to Summary of Section No. 23			Ksh	

Section No. 23
Bill No. 10
(42) INTERNAL WALL FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 43				
	FLOOR FINISHES				
	Cement and sand (1:4) screed in:-				
A	32 mm steel trowelled screed to receive ceramic tiles ditto	**m2**	154		
	Ceramic Tiles as per Tile and Carpet catalogue or other equal and approved				
B	300 x 600 x 8mm thick coloured non-slip ceramic floor tiles including pointing in colured cement. (possible tile codes as per tile and carpet catalogue or other equal and equivalent 9634; 9542; 9565; 9566)	**m2**	154		
	Cement and sand (1:4) screed in:-				
C	32mm thick steel trowelled to receive Flocked Carpet tile flooring	**m2**	569		
	Superior Quality Flocked Carpet tile flooring				
D	Providing and Fixing of Flocked Carpet tile flooring having a density of 70 million fibers of nylons 6.6 per sqm firmly anchored into a waterproof backing and having an average recycled content of 20%. The carpet tiles must inhibit the growth of Bacteria and Fungi. The Carpet tiles must be Zero Emission carpet. The carpet tiles should be anti static and thickness shall be 4.0 to 5.0 mm with approximate weight of 1.8 kg/ sqm. The rate shall be inclusive of fixing at site with if necessary border and fixing arrangement as per the drawings and direction of Engineer in charge complete in all respect. Flooring should be done as per manufacturers specifications and as directed by engineer in charge.	**m2**	569		
	Carried Forward			Ksh	

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Cement and sand (1:4) screed in:-				
A	32mm thick ditto granito floor tiles ditto	**m2**	1,753		
	Granitto Floor Tiles as per Tile and Carpet catalogue or other equal and approved				
B	600 x 300 x 12mm thick superior quality matt finished granito floor tiles as per tile and carpet catalogue including pointing in coloured cement (Possible codes include D3401; D3403; D3404; D6057)	**m2**	1,753		
C	Ditto but 150 mm high Skirting	**m**	550		
	Carried Forward to Summary of Section No. 23			Ksh	
	Section No. 23 Bill No. 11 (43) FLOOR FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 44				
	STAIR CASE FINISHES (FIRE ESCAPE & SERVICE)				
	32mm thick cement sand (1:4) screed in:				
A	Landing	**m2**	14		
B	Closed strings 300mm high	**m**	56		
C	300mm wide treads	**m**	151		
D	165mm high risers	**m**	151		
	Approved Superior Quality Granitto Floor Tiles				
E	300 x 600 x 25mm thick matt and seamless fininished granite floor tiles to the Architect Approval	**m2**	14		
F	Ditto in 300 mm wide treads including non-slip grooves	**m**	151		
G	Ditto edges of risers 150mm high risers	**m**	151		
H	Ditto 100mm high skirting	**m**	30		
I	100x325 mm long (average) trapezoidal step edges.	**No**	168		
J	100x150 mm long (average) trapezoidal riser edges.	**No**	168		
	12mm thick gauged 1:2:9 render in:-				
K	Horizontal soffits of landing	**m2**	14		
L	Sloping soffits of stairs	**m2**	141		
	Painting and Decorating				
	Carried Forward			Ksh	

Section No. 23
Bill No. 12
(44) STAIR FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Prepare and apply three coats plastic emulsion paint to:-				
A	Rendered concrete surfaces	**m2**	155		
	Staircase and Ramp Balustrades				
	The following in stainless steel sections`				
B	50 mm diameter 3mm thick CHS handrail welded to balusters (measured separately) to approval	**m**	56		
C	50 mm diameter 3mm thick CHS handrail welded to brackets plugged into wall to approval	**m**	56		
D	50 x 20 x 1.5 mm thick RHS bottom and top rail welded to balusters (measured separately) to approval	**m**	226		
E	35mm diameter 2mm Thick CHS balusters one end grouted onto concrete treads and other end welded to 50 mm diameter x 2 mm thick handrail (measured separately)	**m**	56		
	STAIR CASE FINISHES (ATRIUM VOID)				
	32mm thick cement sand (1:4) screed in:				
F	Landing	**m2**	18		
G	325mm wide treads (Average)	**m**	269		
H	165mm high risers	**m**	269		
	Approved Superior Quality Granite Floor Tiles				
I	300 x 600 x 25mm thick matt and seamless fininished granite floor tiles to the Architect Approval	**m2**	18		
	Carried Forward			Ksh	

Section No. 23
Bill No. 12
(44) STAIR FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Ditto in 300 mm wide (Average) treads including non-slip grooves	**m**	269		
B	Ditto edges of risers 165mm high risers	**m**	269		
C	Ditto 100mm high skirting	**m**	26		
D	100x325 mm long (average) trapezoidal step edges.	**No**	224		
E	100x150 mm long (average) trapezoidal riser edges.	**No**	224		
	12mm thick gauged 1:2:9 render in:-				
F	Horizontal soffits of landing	**m2**	18		
G	Sloping soffits of stairs	**m2**	90		
	Painting and Decorating				
	Prepare and apply three coats plastic emulsion paint to:-				
H	Rendered concrete surfaces	**m2**	108		
	Wrot Prime Grade Cypress				
I	75x50 mm wrot prime grade cypress timber slats plugged to sloping soffits of plastered surfaces at 100 mm C/C complete with and including three coats of approved tainted polyurethane wood furnish all to the architects detail and approval.	**m**	902		
	Staircase Balustrades				
	The following in stainless steel sections`				
J	75 mm diameter 3mm thick CHS handrail welded to brackets plugged into wall to approval	**m**	75		
	Carried Forward			Ksh	

Section No. 23
Bill No. 12
(44) STAIR FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	150mm thick approved machine cut curved inclined walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	83		
	12mm thick gauged 1:2:9 render to:-				
B	Vertical sides of wall balustrading	**m2**	196		
	Painting and Decorating				
	Prepare and apply three coats plastic emulsion paint to:-				
C	Rendered concrete surfaces	**m2**	196		
	Prime grade cypress wall clading				
D	Provide and fix 20x100 mm prime grade T&G panneling plugged to sloping soffits of plastered surfaces at 100 mm C/C complete with and including three coats of approved tainted polyurethane wood furnish all to the architects detail and approval.	**m2**	196		
	Prime grade mahogany timber wall coping				
E	50x250 mm wrot prime grade mahogany timber wall coping with 200 x 25 mm deep chasing complete with and including three coats of approved tainted polyurethane wood furnish all to the architects detail and approval.	**m**	75		
	Carried Forward to Summary of Section No. 23			Ksh	

Section No. 23
Bill No. 12
(44) STAIR FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 45				
	CEILING FINISHES				
	Cement and sand (1:4) screed in:-				
A	Horizontal soffits of suspended floor slab not exceeding 3.50m above floor level	**m2**	3,221		
	Prepare and apply three coats plastic emulsion paint on:-				
B	Plastered soffits of suspended slab not exceeding 3.50m above floor level	**m2**	3,221		
	Gypsum Ceiling				
	Gypsum suspended ceiling, laid in on 50 x 50 mm cypress brandering at 600 c/c on one way and 100 x 50 mm cypress brandering at 600 c/c on the other way to Architect's approval as recommended by manufacturer (s)				
C	9mm thick profiled gypsum ceiling complete with and including gypsum tape and three coats of paint.	**m2**	366		
	Acoustic Ceiling				
	Acoustic suspended ceiling, laid in T-grid system to manufacturer's specifications: patterned as per Architects details. Panels and tile to Architect's approval size 600 x 600mm fixed with approved hangers placed at centres as recommended by manufacturer (s)				
D	Accoustic ceiling as Armstrong or other equal and approved mineral fibre acoustic ceiling lining tiles	**m2**	951		
	Perforated laminated MDF Board Ceilings				
	Carried Forward			Ksh	

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	18mm thick Laminated MDF board ceiling boards in panels of 600x800 laid on 75x100 mm double rebated timber grid system patterned as per Architects details. Each MDF Board pannel to have ateleast 9 No Square laser cut perforations of at least 150x150 to Architect's approval fixed with approved hangers placed at centres as recommended by structural engineer to:-				
A	General soffits of perforated MDF Ceilings	**m2**	957		
	Timber Slats Ceilings				
B	Timber slat ceiling comprising of 50x150 mm furnished prime grade wrot cypress at 125 mm C/C bolted together with a 12mm dia bolt on 50x150mm prime grade wrot cypress bearer at 600 C/C all suspended with 16mm dia 500 mm long hooks at 1200mm C/C from the bearers from the soffits of the slab as per the structural engineers detail.	**m2**	480		
C	Ditto but in 25x150mm furnished prime grade wrot cypress at 75 mm ditto	**m2**	480		
	Carried Forward to Summary of Section No. 23			Ksh	
	Section No. 23 Bill No. 13 (45) CEILING FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 74				
	SANITARY FIXTURES				
A	Provide material and labour for fabrication of a Vanity tops for a 4 No counter sink wash hand basin over all size 3900 mm long 600 mm wide composed of 25 mm thick approved granite top back flush and fascia mounted on 75 mm reinforced concrete base supported by 100 mm thick walling.	**No**	6		
	KITCHEN FIXTURES				
B	Provide material and labour for fabricating of a kitchennate work top single drain single bowl stainless steel sink over all size 2400 mm long 600 mm wide composed of 25 mm thick approved granite top and fascia mounted on 75 mm reinforced concrete base supported by 100 mm thick walling.	**No**	1		
	Carried Forward to Summary of Section No. 23			Ksh	

Section No. 23
Bill No. 14
(70) BUILDING FIXTURES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

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PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

SECTION SUMMARY - FOURTH FLOOR

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Carried to Final Summary Ksh

Section No. 23

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 21				
A	200mm thick approved machine cut walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	123		
	Carried Forward to Summary of Section No. 24			Ksh	
	Section No. 24 Bill No. 1 (21) EXTERNAL WALLING *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 22				
	INTERNAL WALLS				
A	200mm thick approved machine cut walling *(Minimum strength 7N/MM2)* bedded and jointed in cement and sand (1:3) mortar, reinforced with 25mm x 3mm thick hoop iron strip in every alternate course.	**m2**	579		
B	150 mm thick ditto	**m2**	57		
C	100 mm thick ditto	**m2**	72		
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 25 all as per the engineers approved trial mix with cement type 32.5 in:-				
D	250 mm thick reinforced concrete Lift shaft walling	**m2**	57		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
E	T8 mm bars	**kg**	733		
F	T12mm bars	**kg**	1,493		
G	T16mm bars	**kg**	230		
	SAWN FORMWORK TO:-				
H	Vertical sides of 200 mm thick retaining wall	**m2**	114		
	Carried Forward to Summary of Section No. 24			Ksh	
	Section No. 24 Bill No. 2 (22) INTERNAL WALLS *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 23				
	SUSPENDED SLABS				
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 25 all as per the engineers approved trial mix with cement type 32.5 in:-				
A	175 mm thick suspended slab with an average of 4200mm floor to floor height.	**m2**	110		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square ribbed steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T12mm bars	**kg**	450		
C	T16mm bars	**kg**	2,471		
D	T16mm bars (Strong Band)	**kg**	35,000		
	Maline ply; steel plate or other equal and approved formwork to:-				
E	Soffits of solid slabs with an average of 4200 mm floor to floor height.	**m2**	110		
F	Edges of suspended slab (150 - 225 mm wide)	**m**	157		
G	Ditto but curved	**m**	57		
	Carried Forward to Summary of Section No. 24			Ksh	

Section No. 24
Bill No. 3
(23) SUSPENDED SLABS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 24				
	STAIRCASE				
	REINFORCED CONCRETE				
	Vibrated reinforced concrete class 30 all as per the engineers approved trial mix with cement type 42.5 in:-				
A	Waist and steps	**m3**	6		
B	175mm thick landing	**m2**	6		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile square twisted steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
C	T8 mm bars	**kg**	220		
D	T10mm bars	**kg**	220		
E	T12mm bars	**kg**	220		
F	T16mm bars	**kg**	220		
	Maline ply; steel plate or other equal and approved formwork to:-				
G	Soffits of landing	**m2**	6		
H	Sloping soffits of stairs	**m2**	17		
I	Edges of risers over 75mm but not exceeding 150mm high	**m**	50		
	Carried Forward			Ksh	

Section No. 24
Bill No. 4
(24) STAIRCASE
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Edges of landing over 225mm but not exceeding 300mm high	**m**	11		
B	Open string 300mm high (maximum) including forming profile for treads and risers	**m**	19		
	Carried Forward to Summary of Section No. 24			Ksh	

Section No. 24
Bill No. 4
(24) STAIRCASE

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	SECTION 14				
	ELEMENT 27				
	ROOF STRUCTURE				
	Structural steelwork to BS 4360 and to the Engineers specifications and approval complete with and including fabricating hoisting and fixing in position approximately 11,200 mm from the existing ground level, red oxide primer and two coats chlorinated rubber paint, Connection details in 2 No 6mm thick steel plates, packing pieces and drilled 100 x 100 x 100 mm thick steel angle cleats welds bolts washers and nuts fish plates and steel angle cleats are to be included in the rates for steel work in the particular trusses where they occur.				
A	150 x 100 x 4 mm thick RHS Hip rafter 8.92 kg/Lm	**m**	226		
B	Ditto valley rafter	**m**	216		
C	152.4x50.8x22x2mm thick zed purlins weighing 7.2 Kg per LM	**m**	2,516		
D	2000 mm long 16 mm thick sag rods complete with and including threading on both sides and provision of approximately 2 Nuts and 2 washers on either side all as per the Engineers detail.	**No**	264		
	The following in 38 No. steel trusses spanning 16,800 mm x 4,250 mm high including fabricating, fixing and hoisting to approximately 30,000 Metres above ground level all as per the Structural Engineers detail and approval.				
E	75x50x3 mm thick RHS Top boom weighing 5.42 Kg per LM	**m**	1,520		
	Carried Forward			Ksh	
	Section No. 24 Bill No. 5 (27) ROOF *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	60 x 40 x 3mm thick RHS struts and ties weighing 4.25 Kg per Lm	**m**	1,345		
	Carried Forward to Summary of Section No. 24			Ksh	

Section No. 24
Bill No. 5
(27) ROOF
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 28				
	FRAME				
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 25 all as per the engineers approved trial mix in:-				
A	Columns	**m3**	77		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile ribbed steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T8 mm bars	**kg**	1,194		
C	T20mm bars	**kg**	7,417		
	Maline ply; steel plate or other equal and approved formwork to:-				
D	Vertical sides of columns	**m2**	422		
E	Vertical sides of 600 mm dia circular columns	**m2**	196		
	VIBRATED REINFORCED CONCRETE				
	Vibrated reinforced concrete class 25 all as per the engineers approved trial mix in Gutter Beam & Gutter Feature to Arch Detail:-				
F	200x1000mm wide suspended slab as gutter floor	**m2**	383		
G	200x400 mm high edge upstand beams	**m3**	61		
	Carried Forward			Ksh	

Section No. 24
Bill No. 6
(28) FRAME

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	200 mm thick inclined suspended slab projecting 4000mm to the outside from the the edge of the outer grid of the building.	**m2**	1,534		
	REINFORCEMENT				
	Mild steel reinforcement in structural concrete work				
	High tensile ribbed steel reinforcement to B.S.4461 including cutting, bending, overlaps, spacer blocks and tying stirrups				
B	T8 mm bars	**kg**	7,800		
C	T10mm bars	**kg**	7,800		
D	T12mm bars	**kg**	7,800		
E	T16mm bars	**kg**	7,800		
F	T20mm bars	**kg**	7,800		
G	T25mm bars	**kg**	7,800		
H	T32mm bars	**kg**	7,800		
	Maline ply; steel plate or other equal and approved formwork to:-				
I	Vertical sides of gutter beams	**m2**	767		
J	Soffits of gutter slab	**m2**	383		
K	Soffits of inclided gutter feature projecting to the outside of the building 4000mm from the outermost grids. (The bidder to take consideration of the support system while pricing)	**m2**	1,534		
	Carried Forward to Summary of Section No. 24			Ksh	

Section No. 24
Bill No. 6
(28) FRAME

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 31				
	EXTERNAL OPENINGS				
	The following in 10mm thick approved colour laminated cool-lite solar glass glazing windows complete with and including permanent vent with mosquito qauge in structural invisible bronze powder coated aluminium framing mounted all as per the fabricators detail but subject to Architects approval. (Works to be executed by an approved domestic subcontractor)				
A	Window over all size 2050x3550 mm high comprising 3 No equal bottom fixed lights each size 650x900 mm high; 3 No equal intermediate sliding openable lights each size 650x1200 mm high; 20500x450 mm high horrizontal aluminium louver vent and 3 No equal top fixed lights each size 650x1000 mm high.	**No**	58		
B	Window over all size 3295x3550 mm high comprising 5 No equal bottom fixed lights each size 650x900 mm high; 5 No equal intermediate sliding openable lights each size 650x1200 mm high; 5000x450 mm high horrizontal aluminium louver vent and 5 No equal top fixed lights each size 650x1000 mm high.	**No**	16		
C	Window over all size 5000x3550 mm high comprising 8 No equal bottom fixed lights each size 650x900 mm high; 8 No equal intermediate sliding openable lights each size 650x1200 mm high; 5000x450 mm high horrizontal aluminium louver vent and 8 No equal top fixed lights each size 650x1000 mm high.	**No**	4		
D	Window over all size 9600x3550 mm high comprising 15 No equal bottom fixed lights each size 650x900 mm high; 15 No equal intermediate sliding openable lights each size 650x1200 mm high; 9600x450 mm high horrizontal aluminium louver vent and 15 No equal top fixed lights each size 650x1000 mm high.	**No**	1		
	Carried Forward			Ksh	

Section No. 24
Bill No. 7
(31) EXTERNAL OPENING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Window Boards				
	Wrot Mahogany				
A	250mm x 50mm window board with 1 No. labours plugged	**m**	258		
B	12mm diameter quadrant beading, plugged	**m**	258		
	Precast concrete weathered and throated window cills				
C	Window cill over all size 275 x 100 mm high with 3 No labour.	**m**	258		
	Painting and Decorating				
	Prepare and apply one coat aluminium wood primer on back of timber from Crown-Berger (K) Limited or other equal and approved manufacturer before fixing				
D	Surfaces over 200mm but not exceeding 300mm girth	**m**	258		
E	Ditto not exceeding 100mm girth	**m**	258		
	Knot, Prime, Stop, prepare and apply three coats "Two Pack" varnish from Crown-Berger (K) Limited or other equal and approved manufacturer on timber surfaces				
F	Over 200mm but not exceeding 300mm girth	**m**	258		
G	Ditto not exceeding 100mm girth	**m**	258		
	Carried Forward to Summary of Section No. 24			Ksh	

Section No. 24
Bill No. 7
(31) EXTERNAL OPENING
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 32				
	INTERNAL OPENINGS				
	DOORS				
	TIMBER DOORS (Provisional)				
	Wrot hardwood (Mahogany)				
A	15mm Quadrant	**m**	106		
B	40x12mm Architrave	**m**	106		
C	250x50mm Frame with four labours	**m**	106		
	Wrot Mahogany pannel door				
D	45 mm thick mahogany panel door overall size 1000 x 2800 mm high comprising of a single leaf overall size 1000x2400mm high and 5 mm thick glazed fanlight overall size 1000x400 mm high all as per the Architects detail.	**No**	5		
E	45 mm thick mahogany panel double door overall size 1800 x 2800 mm high comprising of 2No leaves each overall size 900x2400mm high and a 5 mm thick glazed fanlight overall size 1000x400 mm high all as per the Architects detail.	**No**	3		
	Solid Core Flush Door				
	Carried Forward			Ksh	

Section No. 24
Bill No. 8
(32) INTERNAL OPENING

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	The following in 45 mm thick scratch proof embossed mahogany veneered Doors with hardwood lipping all round as per an approved supplier catalogue and to the architects detail and approval.				
A	Single leaf single swing door overall size 900mm x 2400 mm high having 1 No openable leave size 900 x 2100 mm high and one fixed light size 900 x 300 mm high as per the Architects detail	**No**	6		
	Supply and fix the following ironmongery with screws to match (Ref. is to Union Catalogue or other equal and approved)				
B	100mm Chrome plated steel butt hinges with matching screws	**Pairs**	26		
C	2-Lever mortice lock complete with chrome plated lever handles	**No**	6		
D	3-Lever mortice lock complete with chrome plated lever handles	**No**	8		
E	Rubber door stop fixed to concrete floor,or masonry walling with and including 38mm rawl bolt	**No**	17		
F	Female / Male sign (Union 5692)	**No**	2		
G	Kick plate 1200 x 450 x 2 mm thick	**Pairs**	5		
H	Surface mounted panic bolts for single door type briton 373 and fitted with cylinder key locking attachment to match	**No**	1		
I	Door closer type briton 2003	**No**	8		
J	Indicator bolts (union 8094)	**No**	8		
	Carried Forward			Ksh	

Section No. 24
Bill No. 8
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	("Crown") aluminium or other equal and approved wood primer				
A	Back of wood surface exceeding 100mm girth but not exceeding 200mm girth	**m**	106		
	Prepare and apply three coats 'crown' or other similar and approved polyurethane clear varnish on:-				
B	General surfaces	**m2**	60		
C	Ditto over 200mm but not exceeding 300mm girth	**m**	318		
	Fire Door				
D	Supply and fix approved quality double leaf fire door rated FD90 overall size 1800x3600 high compliant to BS 476 part 22 complete with and including the door frame and all the necessary recommened Door closers, seals and ironmongery all the Architects detail and aproval.	**No**	1		
	Pre-cast Concrete				
E	200x450x1500 mm long precast concrete class 25 lintels comprising of 4 N0 D12 main bars and rings in D8 at 150mm C/C all as per the Engineers detail and approval	**No**	16		
	Carried Forward to Summary of Section No. 24			Ksh	

Section No. 24
Bill No. 8
(32) INTERNAL OPENING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 32				
	BALUSTRADES				
	The following in 1100 mm high 10 mm thick laminated glass balustrading:-				
A	75 mm diameter 3mm thick CHS handrail welded to balusters (measured separately) to approval	**m**	75		
B	50 x 25 x 2.0 mm thick RHS bottom and top rail welded to balusters (measured separately) to approval	**m**	152		
C	50mm diameter 2mm Thick CHS balusters one end grouted onto concrete treads and other end welded to 50 mm diameter x 2 mm thick handrail (measured separately)	**m**	170		
D	Extra over ditto for 150 mm diameter 6 mm thick stainless steel baseplate machined as per the architects detail and approval.	**No**	142		
E	10 mm thick laminated blue tinted glass over all size 600 x 1100 mm high fix with and including 10 x 10 x 1.5 mm thick RHS glazing beads all round all as per the Architects detail and approval.	**No**	142		
	Carried Forward to Summary of Section No. 24			Ksh	

Section No. 24
Bill No. 9
(34) BALUSTRADES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 41				
	EXTERNAL WALL FINISHES				
	12mm thick gauged cement, lime putty and sand (1:2:9) plaster to:-				
A	Masonry or concrete surfaces	**m2**	953		
	Painting and Decorating with "Dura coat" or other equal and approved product (s)				
	Prepare and apply a coat of Acrylic Siloxanic KP1 1.5 mm Anti-mould Anti Algae Textured wall Coating on:-				
B	Plastered surfaces	**m2**	953		
	Carried Forward to Summary of Section No. 24			Ksh	

Section No. 24
Bill No. 10
(41) EXTERNAL WALL FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 42				
	INTERNAL WALL FINISHES				
	12mm thick gauged cement, lime putty and sand (1:2:9) plaster to:-				
A	Masonry or concrete surfaces	**m2**	1,582		
	Painting and Decorating with "Basco Paints" or other equal and approved product (s)				
	Prepare and apply three coats silk vinyl paint from Basco Paints or other equal and approved manufacturer on:-				
B	Plastered surfaces	**m2**	1,582		
	Cement and sand (1:4) in:-				
	CERAMIC WALL TILES				
C	15mm thick backing prepared to receive ceramic tiles (measured separately)	**m2**	509		
	Ceramic wall tiles as per Saj Ceramic Tiles catalogue or other eaual and approved				
D	Supply and fix approved quality 6 mm thick coloured ceramic wall tiles fixed on screed (measured separately) with an approved adhesive including pointing in white cement (Possible tile codes shall be 9632 or SM1or 9544 or SM10 or 9564 or 9564)	**m2**	509		
	Carried Forward to Summary of Section No. 24			Ksh	
	Section No. 24 Bill No. 11 (42) INTERNAL WALL FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 43				
	FLOOR FINISHES				
	Cement and sand (1:4) screed in:-				
A	32 mm steel trowelled screed to receive ceramic tiles ditto	**m2**	69		
	Ceramic Tiles as per Tile and Carpet catalogue or other equal and approved				
B	300 x 600 x 8mm thick coloured non-slip ceramic floor tiles including pointing in colured cement. (possible tile codes as per tile and carpet catalogue or other equal and equivalent 9634; 9542; 9565; 9566)	**m2**	69		
	Cement and sand (1:4) screed in:-				
C	32mm thick ditto granito floor tiles ditto	**m2**	775		
	Granitto Floor Tiles as per Tile and Carpet catalogue or other equal and approved				
D	600 x 300 x 12mm thick superior quality matt finished granito floor tiles as per tile and carpet catalogue including pointing in coloured cement (Possible codes include D3401; D3403; D3404; D6057)	**m2**	775		
E	Ditto but 150 mm high Skirting	**m**	230		
	Carried Forward to Summary of Section No. 24			Ksh	
	Section No. 24 Bill No. 12 (43) FLOOR FINISHES *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*				

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 44				
	STAIR CASE FINISHES (FIRE ESCAPE & SERVICE)				
	32mm thick cement sand (1:4) screed in:				
A	Landing	**m2**	14		
B	Closed strings 300mm high	**m**	56		
C	300mm wide treads	**m**	151		
D	165mm high risers	**m**	151		
	Approved Superior Quality Granitto Floor Tiles				
E	300 x 600 x 25mm thick matt and seamless fininished granite floor tiles to the Architect Approval	**m2**	14		
F	Ditto in 300 mm wide treads including non-slip grooves	**m**	151		
G	Ditto edges of risers 150mm high risers	**m**	151		
H	Ditto 100mm high skirting	**m**	30		
I	100x325 mm long (average) trapezoidal step edges.	**No**	168		
J	100x150 mm long (average) trapezoidal riser edges.	**No**	168		
	12mm thick gauged 1:2:9 render in:-				
K	Horizontal soffits of landing	**m2**	14		
L	Sloping soffits of stairs	**m2**	141		
	Painting and Decorating				
	Carried Forward			Ksh	

Section No. 24
Bill No. 13
(44) STAIR FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Prepare and apply three coats plastic emulsion paint to:-				
A	Rendered concrete surfaces	**m2**	155		
	Staircase and Ramp Balustrades				
	The following in stainless steel sections`				
B	50 mm diameter 3mm thick CHS handrail welded to balusters (measured separately) to approval	**m**	56		
C	50 mm diameter 3mm thick CHS handrail welded to brackets plugged into wall to approval	**m**	56		
D	50 x 20 x 1.5 mm thick RHS bottom and top rail welded to balusters (measured separately) to approval	**m**	226		
E	35mm diameter 2mm Thick CHS balusters one end grouted onto concrete treads and other end welded to 50 mm diameter x 2 mm thick handrail (measured separately)	**m**	56		
	Carried Forward to Summary of Section No. 24			Ksh	

Section No. 24
Bill No. 13
(44) STAIR FINISHES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 45				
	CEILING FINISHES				
	Gypsum Ceiling				
	Gypsum suspended ceiling, laid in on 50 x 50 mm cypress brandering at 600 c/c on one way and 100 x 50 mm cypress brandering at 600 c/c on the other way to Architect's approval as recommended by manufacturer (s)				
A	9mm thick profiled gypsum ceiling complete with and including gypsum tape and three coats of paint.	**m2**	366		
	Acoustic Ceiling				
	Acoustic suspended ceiling, laid in T-grid system to manufacturer's specifications: patterned as per Architects details. Panels and tile to Architect's approval size 600 x 600mm fixed with approved hangers placed at centres as recommended by manufacturer (s)				
B	Accoustic ceiling as Armstrong or other equal and approved mineral fibre acoustic ceiling lining tiles	**m2**	951		
	Perforated laminated MDF Board Ceilings				
	18mm thick Laminated MDF board ceiling boards in panels of 600x800 laid on 75x100 mm double rebated timber grid system patterned as per Architects details. Each MDF Board pannel to have ateleast 9 No Square laser cut perforations of at least 150x150 to Architect's approval fixed with approved hangers placed at centres as recommended by structural engineer to:-				
C	General soffits of perforated MDF Ceilings	**m2**	957		
	Carried Forward			Ksh	

Section No. 24
Bill No. 14
(45) CEILING FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Timber Slats Ceilings				
A	Timber slat ceiling comprising of 50x150 mm furnished prime grade wrot cypress at 125 mm C/C bolted together with a 12mm dia bolt on 50x150mm prime grade wrot cypress bearer at 600 C/C all suspended with 16mm dia 500 mm long hooks at 1200mm C/C from the bearers from the soffits of the slab as per the structural engineers detail.	**m2**	480		
B	Ditto but in 25x150mm furnished prime grade wrot cypress at 75 mm ditto	**m2**	480		
	Carried Forward to Summary of Section No. 24			Ksh	

Section No. 24
Bill No. 14
(45) CEILING FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 43				
	ROOF FINISHES				
	26 G GALVANISED ZINC ALUMINIUM SAFLOCK ROOF COVERING				
A	26 G galvanised zinc aluminium profiled sheets as Saflock or other equal and approved bolted to zed purlins with and including j-bolts all to Architect's approved colour and details	**m2**	2,264		
B	purpose made ridge cap 450mm girth with ends spread over roofing sheets (measured seperately)	**m**	170		
	GUTTER FINISHES				
	32 mm thick cement and sand (1:4) screed to receive:-				
C	Waterproof membrane	**m2**	2,147		
	WATER PROOFING				
D	Prepare and apply "Penetron" or other equal and approved waterproofing medium on one surfaces of cover slab.	**m2**	2,147		
	Cement and sand (1:4) screed in:-				
E	Horizontal soffits of suspended floor slab not exceeding 3.50m above floor level	**m2**	2,147		
	ATRIUM DOME				
F	Allow a provisional Sum of Kenya Shillings Four Million Five Hundred Thousands only for the Fabrication of the Atrium dome roof structure and roof covering to the Architects detailed design and approval.			SUM	
	Carried Forward to Summary of Section No. 24			Ksh	

Section No. 24
Bill No. 15
(47) ROOF FINISHES
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 74				
	SANITARY FIXTURES				
A	Provide material and labour for fabrication of a Vanity tops for a 4 No counter sink wash hand basin over all size 3900 mm long 600 mm wide composed of 25 mm thick approved granite top back flush and fascia mounted on 75 mm reinforced concrete base supported by 100 mm thick walling.	**No**	2		
	KITCHEN FIXTURES				
B	Provide material and labour for fabricating of a kitchennate work top single drain single bowl stainless steel sink over all size 2400 mm long 600 mm wide composed of 25 mm thick approved granite top and fascia mounted on 75 mm reinforced concrete base supported by 100 mm thick walling.	**No**	1		
	Carried Forward to Summary of Section No. 24			Ksh	

Section No. 24
Bill No. 16
(70) BUILDING FIXTURES

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

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PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

SECTION SUMMARY - FIFTH FLOOR

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	Carried to Final Summary		Ksh	

Section No. 24

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 99				
	CAR PARK				
	Note:Excavations to include maintaining and supporting sides of all excavations and keeping same free from all fallen materials , mud and water by pumping ,bailing or otherwise				
A	Excavate to reduce levels in compacted soils depths n.e 1.50m	**m3**	960		
B	Grade compact and proof rool formation to correct fall and camber.	**m2**	1,920		
	Fillings and disposal				
C	Load, wheel and deposit surplus excavated material where directed by architect on site not exceeding 50meters away	**m3**	960		
D	Provide lay and compact 450 mm thick hand packed stone including quarry dust blinding (MDD Standard Compaction).	**m2**	3,540		
E	Provide 50mm thick (average) sand bed to receive cabro paving blocks	**m2**	1,920		
	Precast Concrete paving blocks laid to detail				
F	210x105x 90mm thick Heavy duty concrete paving blocks laid on and including 40mm thick sand bed laid to falls and cross falls	**m2**	1,920		
G	Extra over ditto for raking cutting	**m**	1,920		
	Carried Forward			Ksh	

Section No. 25
Bill No. 1
(21) CAR PARK
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	Precast concrete class 20 finished fair on all exposed surfaces, bedded, jointed and pointed in cement and sand (1:5) mortar				
A	125x100mm channel including 325x100mm concrete class "P" bed with similar haunching to sides including all necessary excavation and formwork	**m**	560		
B	Ditto curved to 1000mm radius	**m**	560		
C	250x125mm Half battered kerb set on edge including 325x100mm concrete class "P" bed with similar haunching to one side ditto	**m**	560		
D	Ditto curved to 1000mm radius	**m**	560		
	Storm water Drainage				
E	Provide labour and material for the excavation of 600 x 900 mm deep average open storm water drainage channel complete with and including laying 400 x 300 mm *(internal dimensions)* rectangular precast concrete storm water drainage channels including 600 x 600 mm precast concete perforated slab covers all as per the Architects detail and approval	**m**	150		
	<u>150 M LONG OPEN STORM WATER DRAIN IN IBD</u>				
	Excavations and earthworks				
	Excavations complete with and including maintaining and supporting sides and keeping free from water, mud and fallen material				
F	Excavate foundation trench not exceeding 1.50 metres deep starting from reduced level.	**m3**	202		
	Carried Forward			Ksh	

Section No. 25
Bill No. 1
(21) CAR PARK

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	FILLINGS / DISPOSAL				
A	Return, fill and ram selected excavated material around foundations.	**m3**	90		
B	Load, wheel and deposit surplus excavated material away from site to Council dump sites	**m3**	202		
	Mass concrete 1:4:8 in				
C	100mm Thick surface blinding to receive IBDs	**m2**	90		
	Precast Invert Block Drain storm water drain with one side slab laid to detail				
D	600x450x225mm thick Invert Block Drain laid to fall on concrete bed as per the detail.	**m**	150		
E	600x225x75mm thick side slab laid to fall on Quarry dust bed as per the detail.	**m**	600		
	Provisional Sum				
F	Allow a provisional sum of Kenya Shillings Four million FIve Hundred Only (Kshs. 4,500,000.00) for the for additional substructure works as may arise to be remeasured upon completion.			SUM	
	Carried Forward to Summary of Section No. 25			Ksh	

Section No. 25
Bill No. 1
(21) CAR PARK

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No			*Quantity*	*Rate Kshs*	*Amount Kshs*
	Plant the following including providing all plants or seeds and growing in nursery until of sufficient maturity to transplant.				
A	Kikuyu or other equal and approved grass planted at 100mm centres in each direction, including breaking soil average 500mm deep, removing roots and weeds, mix surface soil with manure and general fertilizer to a depth of 200mm to receive grass	**m2**	1,000		
	Maintaining the following until six months after practical completion including replacing grass which has dried within three months of planting.				
B	Grassed areas.	**m2**	1,000		
	Tree planting				
C	Excavate 1500mm diameter x1000mm deep hole part backfill and part cart away from site	**No**	35		
D	Supply plant and maintain including building baricades all round "Jacaranda" tree	**No**	35		
E	Ditto; but "palm" tree Ditto;	**No**	5		
F	Ditto; but "bottle brush" tree ditto;	**No**	5		
G	Ditto; but "Rubber plant" tree ditto;	**No**	5		
H	Ditto; but "weeping fig" tree ditto;	**No**	5		
I	Ditto; but "Birds of paradise" tree ditto;	**No**	5		
J	Ditto; but "travellers palm" tree ditto;	**No**	5		
K	Ditto; but "Pigion Berry/Golden dew drops" tree ditto;	**No**	5		
	Carried Forward to Summary of Section No. 25			Ksh	

Section No. 25
Bill No. 2
(21A) LAND SCAPING

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No			*Quantity*	*Rate Kshs*	*Amount Kshs*
	ELEMENT 99				
	FOUL DRAINAGE (ALL PROVISIONAL)				
	BULK EXCAVATION, FILLING, ETC				
	Note Excavations to include maintaining and supporting sides of all excavations and keeping same free from all fallen materials , mud and water by pumping , bailing or otherwise				
A	Excavate trench for 300 mm diameter drain pipes average 1000mm deep and not exceeding 1.50 metres deep , part return fill and ram, and remainder remove from site	**m**	241		
B	Extra over all excavations for rock class II excavations	**m3**	34		
	DRAIN PIPES				
	PVC Pipes				
C	300mm Diameter heavy gauge "golden brown" underground drainage system and laying and jointing in accordance with the manufacturer's instructions	**m**	241		
	INSPECTION CHAMBERS				
D	Reinforced concrete round manhole overall diametrer 1500 mm depths not exceeding 1500 mm deep with (1 No) 300 mm inlet and outlet complete with kerbs heavy duty manhole cover etc and the whole set on a concrete base overall diameter of 1800 mm	**No**	10		
	Carried Forward			Ksh	

Section No. 25
Bill No. 3
(21B) FOUL WATER DRAINAGE

Item No			*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Reinforced concrete round manhole overall diametrer 1500 mm depths not exceeding 3000 mm deep with (1 No) 300 mm inlet and outlet complete with kerbs heavy duty manhole cover etc and the whole set on a concrete base overall diameter of 1800 mm	**No**	10		
B	Reinforced concrete round manhole overall diametrer 1500 mm depths not exceeding 4500 mm deep with (1 No) 300 mm inlet and outlet complete with kerbs heavy duty manhole cover etc and the whole set on a concrete base overall diameter of 1800 mm	**No**	10		
C	Reinforced concrete round manhole overall diametrer 1500 mm depths not exceeding 6000 mm deep with (1 No) 300 mm inlet and outlet complete with kerbs heavy duty manhole cover etc and the whole set on a concrete base overall diameter of 1800 mm	**No**	10		
	Testing				
D	Allow for testing the whole of the foul drainage system during the progress and at completion of the works to the satisfaction of the Mechanical Engineer/Architect		Item		
	Carried Forward to Summary of Section No. 25			Ksh	

Section No. 25
Bill No. 3
(21B) FOUL WATER DRAINAGE

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

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PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

SECTION SUMMARY - EXTERNAL WORKS

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	Carried to Final Summary		Ksh	

Section No. 25

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	PRIME COST SUMS				
	GENERAL ELECTRICAL INSTALLATIONS				
A	As per General Electrical Domestic Subcontractor's Form of tender		Item		
B	Add for profit		%		
C	Allow for general, special attendance and all associated builders work associated with Structured Cabling Installation works		Item		
	LIFT INSTALLATIONS				
D	Provide a Prime Cost sum of Kenya Shillings Twenty Four (**Kshs. 24,000,000/=)** only for CCTV Installation Installations to be executed complete by a Nominated sub-contractor.		Item		24,000,000.00
E	Add for profit		%		
F	Allow for general, special attendance and all associated builders work associated with CCTV Installation works		Item		
	STANDBY GENERATOR INSTALLATIONS				
G	Provide a Prime Cost sum of Kenya Shillings Ten Million (**Kshs. 10,000,000/=)** only for Standby Generator Installations to be executed complete by a Nominated sub-contractor.		Item		10,000,000.00
H	Add for profit		%		
	Carried Forward			Ksh	

Section No. 26
Bill No. 1
ELECTRICAL INSTALLATIONS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Allow for general, special attendance and all associated builders work associated with Access Control Installation works		Item		
	STRUCTURED CABLING INSTALLATIONS				
B	Provide a Prime Cost sum of Kenya Shillings Twenty Seven Million (**Kshs. 27,000,000/=)** only for Structured Cabling Installations to be executed complete by a Nominated sub-contractor.		Item		27,000,000.00
C	Add for profit		%		
D	Allow for general, special attendance and all associated builders work associated with Structured Cabling Installation works		Item		
	CCTV INSTALLATIONS				
E	Provide a Prime Cost sum of Kenya Shillings Nineteen Million Eight Hundred Thousands (**Kshs. 19,800,000/=)** only for CCTV Installation Installations to be executed complete by a Nominated sub-contractor.		Item		19,800,000.00
F	Add for profit		%		
G	Allow for general, special attendance and all associated builders work associated with CCTV Installation works		Item		
	Carried Forward			Ksh	

Section No. 26
Bill No. 1
ELECTRICAL INSTALLATIONS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	ACCESS CONTROL INSTALLATIONS				
A	Provide a Prime Cost sum of Kenya Shillings Twelve Million Five Hundred Thousands (**Kshs. 12,500,000/=)** only for Access Control Installations to be executed complete by a Nominated sub-contractor.		Item		12,500,000.00
B	Add for profit		%		
C	Allow for general, special attendance and all associated builders work associated with Access Control Installation works		Item		
	LIBRARY MANAGEMENT INSTALLATIONS				
D	Provide a Prime Cost sum of Kenya Shillings Ten Million (**Kshs. 10,000,000/=)** only for Librry Management Installations to be executed complete by a Nominated sub-contractor.		Item		10,000,000.00
E	Add for profit		%		
F	Allow for general, special attendance and all associated builders work associated with Library Management Installation works		Item		
	AUDIO VISUAL INSTALLATIONS				
G	Provide a Prime Cost sum of Kenya Shillings Nineteen Million Five Hundred Thousands (**Kshs. 19,500,000/=)** only for Audio Visual Installations to be executed complete by a Nominated sub-contractor.		Item		19,500,000.00
H	Add for profit		%		
	Carried Forward			Ksh	

Section No. 26
Bill No. 1
ELECTRICAL INSTALLATIONS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Allow for general, special attendance and all associated builders work associated with Audio Visual Installation works		Item		
	LIBRARY EQUIPMENT INSTALLATIONS				
B	Provide a Prime Cost sum of Kenya shillings Fifty Million (**Kshs. 50,000,000/=)** only for Library Equipment Installations to be executed complete by a Nominated sub-contractor.		Item		50,000,000.00
C	Add for profit		%		
D	Allow for general, special attendance and all associated builders work associated with Library Equipment Installation works		Item		
	SOLAR INSTALLATIONS				
E	Provide a Prime Cost sum of Kenya shillings Thirty Million (**Kshs. 30,000,000/=)** only for Solar Installations to be executed complete by a Nominated sub-contractor.		Item		30,000,000.00
F	Add for profit		%		
G	Allow for general, special attendance and all associated builders work associated with Solar Installations		Item		
	UPS INSTALLATIONS				
H	Provide a Prime Cost sum of Kenya shillings Ten Million (**Kshs. 10,000,000/=)** only for UPS Installations to be executed complete by a Nominated sub-contractor.		Item		10,000,000.00
	Carried Forward			Ksh	

Section No. 26
Bill No. 1
ELECTRICAL INSTALLATIONS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Add for profit		%		
B	Allow for general, special attendance and all associated builders work associated with UPS Installations works		Item		
	KPLC CAPITAL CHARGES				
C	Provide a Prime Cost sum of Kenya shillings Four Million (**Kshs. 4,000,000/=)** only for KPLC Capital Charges to be executed complete by a Nominated sub-contractor.		Item		4,000,000.00
D	Add for profit		%		
E	Allow for general, special attendance and all associated builders work associated with KPLC Installation works		Item		
	Carried Forward to Summary of Section No. 26			Ksh	

Section No. 26
Bill No. 1
ELECTRICAL INSTALLATIONS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	PRIME COST SUMS				
	PLUMBING AND DRAINAGE				
A	As per General Plumbing and Drainage Domestic Subcontractor's Form of tender		Item		
B	Add for profit		%		
C	Allow for general, special attendance and all associated builders work associated with Accomodation Plumbing and Drainage installations		Item		
	FIRE FIGHTING INSTALLATIONS				
D	Provide a Prime Cost sum of Kenya shillings Six Million (**Kshs. 6,000,000/=**) only for Fire Fighting installations to be executed complete by a Nominated sub-contractor.		Item		6,000,000.00
E	Add for profit		%		
F	Allow for general, special attendance and all associated builders work associated with Accomodation Plumbing and Drainage installations		Item		
	KITCHEN SOLAR WATER HEATING INSTALLATIONS				
G	Provide a Prime Cost sum of Kenya shillings One Million Three Hundred Thousands (**Kshs. 1,300,000/=**) only for Kitchen Solar Water Heating installations to be executed complete by a Nominated sub-contractor.		Item		1,300,000.00
H	Add for profit		%		
	Carried Forward			Ksh	

Section No. 26
Bill No. 2
MECHANICAL INSTALLATIONS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Allow for general, special attendance and all associated builders work associated with Accomodation Plumbing and Drainage installations		Item		
	AIR CONDATIONING INSTALLATIONS				
B	Provide a Prime Cost sum of Kenya shillings Eighteen Million(**Kshs. 18,000,000/=**) only for Air Condationing installations to be executed complete by a Nominated sub-contractor.		Item		18,000,000.00
C	Add for profit		%		
D	Allow for general, special attendance and all associated builders work associated with Accomodation Plumbing and Drainage installations		Item		
	KITCHEN EXTRACT SYSTEN INSTALLATIONS				
E	Provide a Prime Cost sum of Kenya shillings One Million Six Hundred Thousand (**Kshs. 1,600,000/=**) only for Kitchen Extract System installations to be executed complete by a Nominated sub-contractor.		Item		1,600,000.00
F	Add for profit		%		
G	Allow for general, special attendance and all associated builders work associated with Kitchen Extract System installations		Item		
	Carried Forward			Ksh	

Section No. 26
Bill No. 2
MECHANICAL INSTALLATIONS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
	COLD ROOM INSTALLATIONS				
A	Provide a Prime Cost sum of Kenya shillings One Million Six Hundred Thousands (**Kshs. 1,600,000/=**) only for cold room installations to be executed complete by a Nominated sub-contractor.		Item		1,600,000.00
B	Add for profit		%		
C	Allow for general, special attendance and all associated builders work associated with Cold Room installations		Item		
	FIRE SUPPRESSION INSTALLATIONS				
D	Provide a Prime Cost sum of Kenya shillings Five Million (**Kshs. 5,000,000/=**) only for Fire Suppression installations to be executed complete by a Nominated sub-contractor.		Item		5,000,000.00
E	Add for profit		%		
F	Allow for general, special attendance and all associated builders work associated with Fire Supression installations		Item		
	KITCHEN EQUIPMENT & LPG INSTALLATIONS				
G	Provide a Prime Cost sum of Kenya shillings Thirteen Million Five Hundred Thousands (**Kshs. 13,500,000/=**) only for Kitchen Equipment & LPG Gas installations to be executed complete by a Nominated sub-contractor.		Item		13,500,000.00
H	Add for profit		%		
	Carried Forward			Ksh	

Section No. 26
Bill No. 2
MECHANICAL INSTALLATIONS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	Brought Forward			Ksh	
A	Allow for general, special attendance and all associated builders work associated with Kitchen Equipment & LPG Gas installations		Item		
	WATER FOUNTAIN INSTALLATIONS				
B	Provide a Prime Cost sum of Kenya shillings One Million Five Hundred Thousands (**Kshs. 1,500,000/=**) only for Water Fountain installations to be executed complete by a Nominated sub-contractor.		Item		1,500,000.00
C	Add for profit		%		
D	Allow for general, special attendance and all associated builders work associated with Kitchen Equipment & LPG Gas installations		Item		
	BIO-DIGESTER				
E	Allow for a prime cost sum of Kenya Shillings Eight Million Five Hundred Thousands Only (Ksh 8,500,000.00) for the supply and installation of a Bio-digerter all as per the Architects Approved design.		Item		8,500,000.00
F	Add for profit		%		
G	Allow for general, special attendance and all associated builders work associated with folding door intsallation		Item		
	Carried Forward to Summary of Section No. 26			Ksh	

Section No. 26
Bill No. 2
MECHANICAL INSTALLATIONS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Quantity*	*Rate Kshs*	*Amount Kshs*
	PRIME COST SUMS			
	MURAL INSTALLATION			
A	Provide a Provisional Cost sum of Kenya shillings Eight Million Five hundered Thousand (**Kshs. 8,500,000/=)** only for the installation of Smalti Modern Glass Mosaic Mural installation to be executed complete by a Nominated sub-contractor.	Item		8,500,000.00
B	Add for profit	%		
C	Allow for general, special attendance and all associated builders work associated with Mural Installiation works	Item		
	Carried Forward to Summary of Section No. 26		Ksh	
	Section No. 26 Bill No. 3 MURAL INSTALLATION *M/s Impetus Cost Consultants Limited* *Building Economists & Quantity Surveyors*			

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Quantity*	*Rate Kshs*	*Amount Kshs*
	PRIME COST SUMS			
	ART FORM ENTRANCE DOORS			
A	Provide a Provisional Cost sum of Kenya shillings Eight Million Five hundered Thousand (Kshs. 8,500,000/=) only for supply and installation of Art form tastefully crafted doors in Frameless glass and adorned in the african manner all as per the Architects design and approval.	Item		8,500,000.00
B	Add for profit	%		
C	Allow for general, special attendance and all associated builders work associated with Art form tastefully crafted doors in Frameless glass	Item		
	Carried Forward to Summary of Section No. 26		Ksh	

Section No. 26
Bill No. 4
MAIN ENTRANCE DOORS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Unit*	*Quantity*	*Rate Kshs*	*Amount Kshs*
	PRIME COST SUMS				
	EARTH MOVEMENT				
A	Provide a Prime Cost sum of Kenya shillings Fifteen Million (K.Shs. 15,000,000/=) only for General Mass Excavation as executed on site by the former Contractor.		Item		15,000,000.00
B	Add for profit		%		
C	Allow for general, special attendance and all associated builders work associated with General Mass Excavation		Item		
	Carried Forward to Summary of Section No. 26			Ksh	

Section No. 26
Bill No. 5
EARTH MOVEMENT
M/s Impetus Cost Consultants Limited
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PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

SECTION SUMMARY - PRIME COST SUMS

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Section No. 26

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Quantity*	*Rate Kshs*	*Amount Kshs*
	CLERK OF WORKS			
A	Allow a provisional Sum of Kenya Shillings Five Million for the provision of Clerk of Works Servises as shall be advised by the project Architect		SUM	
	Carried Forward to Summary of Section No. 27		Ksh	

Section No. 27
Bill No. 1
CLERK OF WORKS
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

Item No		*Quantity*	*Rate Kshs*	*Amount Kshs*
	ENVIRONMENTAL IMPACT ASSESSMENT			
A	Allow a provisional Sum of Kenya Shillings Eight Hundred Thousands Only for the provision of Environmental Impact Assessment Servises as shall be advised by the project Architect		SUM	
	Carried Forward to Summary of Section No. 27		Ksh	

Section No. 27
Bill No. 2
ENVIRONMENTAL IMPACT ASSESSMENT
M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors

PROJECT:- CHUKA UNIVERSITY MAIN LIBRARY COMPLEX

CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

Item No		*Quantity*	*Rate Kshs*	*Amount Kshs*
	NATIONAL CONSTRUCTION AUTHORITY REGISTRATION			
A	Allow a provisional Sum of Kenya Shillings Two Hundred Thousands Only for the provision of National Construction Authority Servises as shall be advised by the project Architect		SUM	
	Carried Forward to Summary of Section No. 27		Ksh	

Section No. 27
Bill No. 3
NCA REGISTRATION
M/s Impetus Cost Consultants Limited
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CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

SECTION SUMMARY - PROVISIONAL SUMS

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Section No. 27

M/s Impetus Cost Consultants Limited
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CLIENT:- CHUKA UNIVERSITY

PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

FINAL SUMMARY

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PROJECT ARCHITCT:- BASELINE ARCHITECTS.

LOCATION:- CHUKA - THARAKA NTHI COUNTY

FINAL SUMMARY

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23	FOURTH FLOOR	456		
24	FIFTH FLOOR	481		
25	EXTERNAL WORKS	488		
26	PRIME COST SUMS	501		
27	PROVISIONAL SUMS	505		
	TOTAL FOR ALL PRICED ITEMS		Ksh	
	Add 2.5% Contingency	%		
	Sub Total 2		Ksh	
	Add 3.0% Fluctuations	%		
	Sub Total 3		Ksh	
	Add 16% VAT	%		
	Carried to Form of Tender		Ksh	

M/s Impetus Cost Consultants Limited
Building Economists & Quantity Surveyors