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**THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT,
GENDER, ELDERLY AND CHILDREN**



CONTRACT DOCUMENT

FOR

**TENDER NO ME/007/2021-2022/HQ/W/18 PROPOSED
CONSTRUCTION OF TWO STOREY OPD BUILDING FOR
SONGEA RRH PROCUREMENT UNDER TANZANIA COVID
19SOCIAL ECONOMIC RECOVERY PLAN
(TCRP)MOHCDGEC/2021/2022/HQ/W/7.**

**CLIENT:
MINISTRY OF HEALTH,**

**COMMUNITY DEVELOPMENT
GENDER, ELDERLY AND CHILDREN
P.O.BOX 743 DODOMA.**

**CONTRACTOR:
KIURE ENGINEERING
P.O Box 2714 ARUSHA.**

DECEMBER, 2021

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. Form of Contract

This Contract, made the 03..... day of 01..... 202~~2~~ between the **PERMANENT SECRETARY, MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN of P.O.Box 743 DODOMA** (hereinafter called "the Employer") and **KIURE ENGINEERING P.O Box 2714 ARUSHA.** (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute TENDER No **ME/007/2021-2022/HQ/W/18 PROPOSED CONSTRUCTION OF TWO STOREY OPD BUILDING FOR SONGEA RRH Procurement under TANZANIA COVID 19SOCIAL ECONOMIC RECOVERY PLAN (TCRP)** (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such works and the remedying of any defects therein in the sum of **TZS Three Billion Eight Hundred Seventy Million (3,870,000,000.00) VAT Inclusive** (hereinafter called "Contract Price").

Now this Agreement witnesses 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, and they shall be deemed to form and be read and construed as part of this Agreement.
2. The following documents attached hereto shall be deemed to form an integral part of this Contract:
 - i. Form of Contract
 - ii. Form of Tender
 - iii. Special Condition of Contract
 - iv. General Condition of Contract
 - v. Letter of Notification to award
 - vi. Letter of Acceptance
 - vii. Negotiation minutes
 - viii. Priced Bill of Quantities
 - ix. Drawings.
3. All the aforesaid documents are hereinafter referred to as "the Contract" and shall be taken as complementary and mutually explanatory of one another but in case of ambiguities or discrepancies shall take precedence in the order set out above.

4. 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.
5. the Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects wherein the Contract Price or such other sum **TZS Three Billion Eight Hundred Seventy Million (3,870,000,000.00) VAT Inclusive.** for the period of **6 calendar months after site possession with 12 calendar months for Defects liability** 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 Contract to be executed the day and year first before written.

For and on behalf of the Ministry of Health, Community, Development, Gender, Elderly and Children,

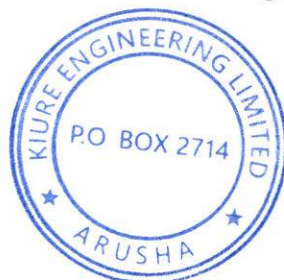
.....
 Signature of Authorized representative
 Name..... *Immanuel Masha*
 Occupation..... *Acting PS*

In the presence of
 Signature..... *[Signature]*
 Name..... *Isaac Makoto*
 Occupation..... *Legal Officer*

For and on behalf of Messrs Kiure Engineering

.....
 Signature of Authorized representative
 Name..... *Eng. OMAR J. KIURE*
 Occupation..... *MANAGING DIRECTOR*

In the presence of
 Signature..... *[Signature]*
 Name..... *SAID J KIURE*
 Occupation..... *CONTRACT MANAGER*



[Handwritten mark]

Standard Power of Attorney

TO ALL IT MAY CONCERN

THAT BY THIS POWER OF ATTORNEY given on the 19th November, 2021, WE the undersigned KIURE ENGINEERING LTD of P.O.BOX 2714 ARUSHA, by virtue of authority conferred to us by the Board Resolution No 96 of 18th day of November 2021, do hereby ordain nominate and appoint SAID IDD KIURE of P.O.BOX 2714 ARUSHA to be our true lawful Attorney and Agent, with full power and authority, for us and in our names, and for our accounts and benefits, to do any, or all of the following acts, in the execution of tender No. ME/007/2020-2021/HQ/W/18 that is to say;
To act for the company and do any other thing or things incidental ME/007/2020-2021/HQ/W/18 of PROPOSED CONSTRUCTION OF TWO STOREY OPD BUILDING AT SONGEA RRH PROCUREMENT UNDER TANZANIA COVID 19N SOCIAL ECONOMIC RECOVERY PLAN (TCRP) for MOHCDGEC

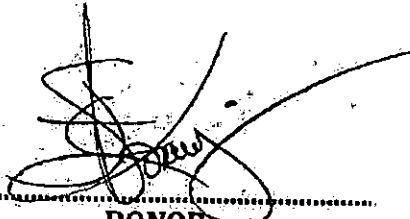
AND provided always that this Power of Attorney shall not revoke or in any manner affect any future power of attorney given to any other person or persons for such other power or powers shall remain and be of the same force and affect as if this deed has not been executed.

AND we hereby undertake to ratify everything, which our Attorney or any substitute or substitutes or agent or agents appointed by him under this power on his behalf herein before contained shall do or purport to do in virtue of this Power of Attorney.

SEALED with the common seal of the said KIURE ENGINEERING LTD and delivered in the presence of us this 19 day of November, 2021.

IN WITNESS whereof we have signed this deed on this 19 day of November, 2021 at Arusha Region for and on behalf of KIURE ENGINEERING LTD

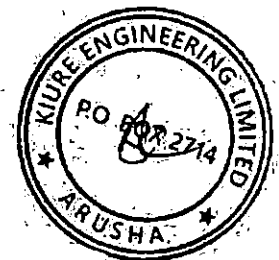
SEALED and DELIVERED by the
Common Seal of KIURE ENGINEERING LTD
This 19.11.2021


DONOR

BEFORE ME:

COMMISSIONER FOR OATHS





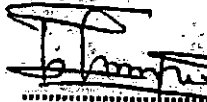
Acknowledgement

I SAID IDD KIURE doth hereby acknowledge and accept to be Attorney of the said KIURE ENGINEERING LTD under the terms and conditions contained in this POWER OF ATTORNEY and I promise to perform and discharge my duties as the lawfully appointed Attorney faithfully and honestly.

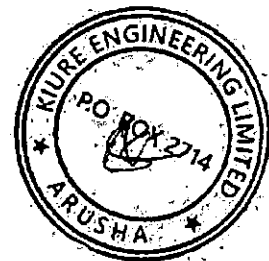
SIGNED AND DELIVERED by the said SAID IDD KIURE Identified to me personally
This 19.11.2021


DONEE

BEFORE ME



COMMISSIONER FOR OATHS



SPECIAL CONDITIONS OF CONTRACT

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Special Conditions of Contract
Instructions for completing the Special Conditions of Contract

The following Special Conditions of Contract shall supplement the General editions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. Except where otherwise indicated, all special Conditions of Contract should be filled in by the Employer prior to issuance of the Tendering Documents. Schedules and reports to be provided by Employer should be annexed.

| SCC Clause | GCC Clause | Description |
|------------|------------|---|
| 1. | 1.1 | <p>Defects liability Period will be 365 days</p> <p>The Employer is</p> <p>Ministry of Health, Community Development, Gender, Elderly and Children,</p> <p>P. O. Box 743, 40478</p> <p>Dodoma,</p> <p>Telephone: +255- 22-2342000/5</p> <p>Electronic mail address: ps@afya.go.tz</p> <p>1. The name and identification number of the Contract is MOHCDGEC/2021/2022/HQ/W/7</p> <p>The Commencement Date shall be Seven days after site possession</p> <p>The Intended Completion Date for the whole of the Works shall be 6 months after signing of contract</p> <p>The Site is located at Songea And is defined in drawings.</p> |

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| 2 | 2.2 | Indicate whether sectional completion is specified <i>"NOT Specified"</i> |
| 3 | 2.3 | List other documents that form part of the contract if any: <ul style="list-style-type: none"> i. Form of Contract ii. Form of Tender iii. Special Condition of Contract iv. General Condition of Contract v. Letter of Notification to award vi. Letter of Acceptance vii. Negotiation minutes viii. Priced Bill of Quantities ix. Drawings. |
| 4 | 4.1 | The language of the Contract documents is English The law that applies to the Contract is the Laws of Tanzanian |
| 5 | 7.1 | Address for communication Employer's: Ministry of Health, Community Development, Gender, Elderly and Children, Government City, P.O. Box 743, 40478 Dodoma. Contractor's KIURE ENGINEERING P.O Box 2714 ARUSHA. |
| 6 | 12.1 | Include the Schedule of Key Personnel <ul style="list-style-type: none"> i. Site Agent ii. Assistance Site Agent iii. Foreman/Civil Technician |
| 7 | 16.1 | The minimum insurance covers for shall be; <ul style="list-style-type: none"> (a) for loss or damage to the Works, Plant and Materials: TZS 50,000,000.00 (Tanzanian Shillings Fifty Million only) (b) For loss or damage to Equipment: TZS. 30,000,000 (Tanzanian |

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| | | <p>Shillings Thirty Million only)</p> <p>(c) For loss or damage to property (except the Works, Plant, Materials, and Equipment) in connection with Contract: TZS. 50,000,000 (Tanzanian Shillings Fifty Million only)</p> <p>(d) The minimum cover for personal injury or death insurance</p> <p>(a) for the Contractor's employees is TZS 10,000,000 (Tanzanian Shillings Ten Million only)</p> <p>(i) And for other people TZS. 10,000,000 (Tanzanian Shillings Ten Million only)</p> |
| 8 | 17.1 | <p>Site Investigation Reports available to the Tenderer are:</p> <p>a) Topographic survey</p> <p>b) Site layout plan</p> <p>c) Geo-tech survey report</p> <p>However, the Contractors are expected to supplement the provided information by their own investigations to an extent, which they consider necessary for preparing a realistic tender for the envisaged works.</p> |
| 9. | 25.4 | <p>The other measures include:</p> <p>a. Minimising the number of migrant workers employed on the project and household in the site camp</p> <p>b. Providing access to voluntary counseling and testing (VCT)</p> <p>c. Providing psychological support and health care including prevention and treatment of opportunistic infections for workers infected and affected, as well as their families</p> <p>d. Providing condoms (male and female) to workers</p> |
| 10 | 27.1 | <p>The Site Possession Date shall be 7 days after the date of signing contract.</p> |
| | 31.1 | <p>Hourly rate of Fees payable to the Adjudicator is <i>to be determined</i></p> <p>Types of reimbursable expenses to be paid to the Adjudicator include:</p> <ul style="list-style-type: none"> • Accommodation Allowance to be determined by NCC |



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| | | <ul style="list-style-type: none"> • Transport T.Shs to be determined by NCC per kilometer while at arbitration place using a private car • Transport to and from Songea. |
| 11 | 30.4 | Arbitration will take place at DODOMA in accordance with rules and regulations published by The National Construction Council (NCC) Tanzania |
| 12. | 32.1 | Appointing Authority for the Adjudicator is The National Construction Council (NCC) of Tanzania |
| | | B. Time Control |
| 13. | 34.1 | The Contractor shall Submit a revised Program for the Works within 14 days of delivery of the Letter of Acceptance. |
| 14. | 34.2 | <p>The period between Programme updates is 30 days.</p> <p>The amount to be withheld for late submission of an updated Program is TZS 250,000.00 per week. Nonrefundable to Contractor.</p> |
| | | C. Quality Control |
| 15. | 42.1 | The Defects Liability Period is 365 days . |
| | | D. Cost Control |
| 16 | 50.7 | Minimum amount of Interim Payment Certificate will be N/A |
| 17 | 53.1 | Site possession will be 7 days after signing of contract |
| 18. | 52.1 | The currency is Tanzania Shillings |
| 19. | 55.1 | The contract is not subject to price adjustment in accordance with Clause 49 of the General Conditions of Contract N/A . |
| 20. | 56.1 | The amount of retention is 10% of value of works of Interim Payment Certificate'. |

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| | | Limit of retention: 5% of contract price |
| 21. | 57.1 | The amount of liquidated damages is 0.1 percent of contract price per day. |
| | 57.1 | The maximum amount of liquidated damages must be equivalent to the amount of the performance security 10% . |
| 22. | 58.1 | The Bonus for early completion is (N/A) |
| 24. | 59.1 | <p>The amount of advance payment shall be 15% per cent of the contract sum payable within 28 days after certification by Project Manager and upon submission of advance payment guarantee.</p> <p>Monthly Recovery of Advance Payments will be 15% of the amount of Interim Payment or any percentage such that advance payment is fully recovered by the time that, 80% of value of works in contract is completed.</p> |
| 25. | 60.1 | <p>The Performance Security shall:</p> <p>(a)10% in the form of Unconditional Bank Guarantee: The standard form of Performance Security acceptable to the Employer shall be "inform of declaration of the type presented in Section IX of the Tendering Documents.</p> |
| 26. | 64.1 | <p>Site handover shall be shall be is When the Certificate of Completion is issued by the Project Manager, the Contractor shall handover the site and the works to the Employer</p> <p style="text-align: center;">E. Discharge of the contract</p> |
| 27. | 66.2 | The date by which "as built" drawings are required is 60 days after |

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substantial completion of works.

The amount to be withheld for failing to produce "as built" drawings by the date required is TShs. 100,000.00 per day.

The amount to be withheld for failing to produce operating and maintenance manuals by the date required is TZS 100,000/-

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GENERAL CONDITIONS OF CONTRACT

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| 1. | 1.1 | <p>The following words and expressions shall have the meanings hereby assigned to them:</p> <p>The Adjudicator is the person appointed by the Appointing Authority specified in the SCC to resolve contractual disputes in the first instance, and as provided for in GCC 30 [Disputes Resolution] hereunder.</p> <p>The Arbitrator is the person appointed by the Appointing Authority specified in the SCC to resolve contractual disputes, and as provided for in GCC 30 [Disputes Resolution] hereunder.</p> <p>Bill of Quantities -means the priced and completed Bill of Quantities forming part of the Tender.</p> <p>Compensation Events are those events provided for in GCC 53 [Compensation Events]</p> <p>The Completion Date is the date of completion of the Works as certified by the Project Manager, in accordance with GCC 63.1 [Completion Certificate].</p> <p>The Contract is the agreement entered between the Employer and the Contractor to execute, complete, and maintain the Works. It consists of the documents listed in GCC 2.3 [Interpretation] below.</p> <p>The Contractor is the person, whether natural or legal whose tender to carry out the Works has been accepted by the Employer.</p> |
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The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.

The **Contract Price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

Days are calendar days.

Day-works are varied work inputs subject to payment on a time basis for the Contractor's employees and Equipment, in addition to payments for associated Materials and Plant.

A **Defect** is any part of the Works not completed in accordance with the Contract.

The **Defects Liability Certificate** is the certificate issued by Project Manager upon correction of defects by the Contractor at the end of defect liability period.

The **Defects Liability Period** is the period stated in the **Special Conditions of Contract** and calculated from the Completion Date.

Drawings means the drawings of the works, as included in the contract and any additional or modified drawings issued by (or on behalf of) the employer in accordance with the contract

Effective Contract date is the date shown in the Certificate of Contract Commencement issued by the Employer upon fulfilment of the conditions precedent stipulated in GCC 3 [Conditions Precedent].

The **Employer** means the person named as employer in the SCC and the legal successors in title to this person.

Equipment is the Contractor's machinery and vehicles brought to the Site to execute the Works.

The **Commencement Date** is the date when the Contractor shall commence execution of the Works as specified in the **Certificate of Contract Commencement**. The Commencement Date may be revised by the Project Manager in consultation with the employer by issuing an extension of time.

The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works as specified in the **Special Conditions of Contract**.

Materials are all supplies, including consumables, used by the Contractor for execution of the Works.

Months mean calendar months.

Plant is any integral part of the Works that shall have a mechanical electrical, chemical, or biological function.



The **Project Manager** is the person named in the **Special Conditions of Contract** (or any other competent person appointed by the Employer and notified to the Contractor, to act in replacement of the Project Manager) who is responsible for supervising the execution of the Works and administering the Contract.

The **Site** is the area where works are to be executed as specified in the **SCC**.

Site Investigation Reports are factual and interpretative reports about the surface and subsurface conditions at the Site that were included in the Tendering documents as indicated in the **SCC**.

Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Project Manager.

A **Subcontractor** is a person, whether natural or legal, who has a Contract with the Contractor to carry out a part of the work in the Contract, which includes work on the Site.

Temporary Works are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Works.

A **Variation** is an instruction given by the Project Manager in consultation with the Employer, which varies the Works.

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| | | <p>Force Majeure means an unforeseeable event which is beyond reasonable control of either Party and which makes a Party's performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances. For the purposes of this Contract, "Force Majeure" means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of a Party, and which makes a Party's performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances and includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood, epidemics, or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent), confiscation.</p> <p>The Works are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the SCC.</p> |
| 2. Interpretation | 2.1 | In interpreting these Conditions of Contract headings and marginal notes are used for convenience only and shall not affect their interpretations unless specifically stated; references to singular include the plural and vice versa; and masculine include the feminine.. Words have their ordinary meaning under the language of the Contract unless specifically defined. |
| | 2.2 | If sectional completion is specified in the Special Conditions of Contract , references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works). |

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| 3. Conditions Precedent | 3.1 | Having signed the Contract, it shall come into effect on the date on which the following conditions have been satisfied:- a) Submission of performance Security in the form specified in the SCC; and b) Furnishing of Advance Payment (if any) Unconditional Guarantee. |
| | 3.2 | If the Employer is satisfied that each of the conditions precedent in this contract has been satisfied (except to the extent waved by him, but subject to such conditions as he shall impose in respect of such waiver) he shall promptly issue to the contractor a certificate of Contract commencement, which shall confirm the start date. |
| | 3.3 | If the Conditions precedent stipulated on GCC 3.2 is not met by the date specified in the SCC this contract shall not come into effect; |
| 4. Language and Law | 4.1 | The language of the Contract and the law governing the Contract are stated in the SCC. |
| 5. Project Manager's Role | 5.1 | Except where otherwise specifically stated, the Project Manager will supervise execution of the contract between the Employer and the Contractor. The Project Manager shall have no authority to amend the contract. |
| 6. Delegation | 6.1 | The Project Manager may, upon prior written consent of the employer and after notifying the contractor, delegate any of his duties and responsibilities to other people except to the Adjudicator, and may cancel any delegation after notifying the Contractor. |
| 7. Communications | 7.1 | Communications between the Parties to the Contract shall be effective only when in writing whether in hard or electronic form that provides record of the content of the communication. A notice shall be effective when in writing only when it is delivered at the address specified in the SCC. |

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| 8. Sub-contracting | 8.1 | The Contractor may subcontract with the approval of the Project Manager, subject to consultation with the Employer. Subcontracting shall not alter the Contractor's obligations |
| 9. Assignment | 9.1 | The Contractor shall not assign, transfer, pledge or make other disposition of this Contract or any part thereof or any of the contractor's rights, claim or obligation under this Contract without the prior written approval of the Employer. |
| 10. Liability of Joint Venture | 10.1 | <p>If the Contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons:</p> <ul style="list-style-type: none"> (a) These persons shall be jointly and severally liable to the Employer for the performance of the Contract; (b) These person shall notify the Employer of their leader who shall have the 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 Employer. |
| 11. Other Contractors | 11.1 | The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer between the dates given in the Schedule of Other Contractors, as referred to in the SCC . The Contractor shall also provide facilities and services for them as described in the Schedule. The Employer may modify the Schedule of Other Contractors, and shall notify the Contractor of any such modification. |
| 12. Personnel | 12.1 | The Contractor shall employ the key personnel named in the Schedule of Key Personnel, as referred to in the SCC , to carry out the functions stated in the Schedule or other personnel approved by the Project Manager. The Project Manager will approve any proposed replacement of key personnel only if their relevant qualifications and |

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| | | abilities are substantially equal to or better than those of the personnel listed in the Schedule. |
| | 12.2 | If the Project Manager asks the Contractor to remove a person who is a member of the Contractor's staff or work force, stating the reasons for, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract. |
| 13. Employers and Contractor's Risks | 13.1 | The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks. |
| 14. Employers Risks | 14.1 | <p>From the Commencement Date until the Defects Correction Certificate has been issued, the following are Employer's risks:</p> <p>(a) The risk of personal injury, death, or loss of or damage to property (excluding the Works, Plant, Materials, and Equipment), which are due to:</p> <p>(i) use or occupation of the Site for the purpose of the Works, which is the unavoidable result of the Works or</p> <p>(ii) negligence, breach of statutory duty, or interference with any legal right by the Employer or by any person employed by or contracted to him except the Contractor.</p> <p>(b) The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Employer or in the Employer's design.</p> |
| | 14.2 | <p>From the Completion Date until the Defects Correction Certificate has been issued, the risk of loss or damage to the Works, Plant, and Materials is an Employer's risk except loss or damage due to:</p> <p>(a) a Defect which existed on the Completion Date,</p> <p>(b) an event occurring before the Completion Date, which was not itself an Employer's risk, or</p> |

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| | | (c) the activities of the Contractor on the Site after the Completion Date. |
| 15. Contractor's Risks | 15.1 | From the Commencement Date until the Defects Correction Certificate has been issued, the risks of personal injury, death, and loss of or damage to property (including, without limitation, the Works, Plant, Materials, and Equipment) which are not Employer's risks are Contractor's risks. |
| 16. Insurance | 16.1 | <p>The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Commencement Date to the end of the Defects Liability Period, in the amounts and deductibles stated in the SCC for the following events which are due to the Contractor's risks:</p> <p>(a) loss of or damage to the Works, Plant, and Materials;</p> <p>(b) loss of or damage to Equipment;</p> <p>(c) loss of or damage to property (except the Works, plant, Materials, and Equipment) in connection with the Contract; and</p> <p>(d) personal injury or death.</p> |
| | 16.2 | Policies and certificates for insurance shall be delivered by the Contractor to the Project Manager for the Project Manager's approval before the Commencement Date. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred. |
| | 16.3 | If the Contractor does not provide any of the policies and certificates required, the Employer may effect the insurance which the Contractor should have provided and recover the premiums the Employer has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due. |

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| | 16.4 | Alterations to the terms of an insurance shall not be made without the written approval of the Project Manager. |
| | 16.5 | Both parties shall comply with any conditions of the insurance policies. |
| 17. Site Investigation Reports | 17.1 | The Contractor shall, in executing the contract, rely on Site Investigation Reports referred to in the SCC and any supplemented information available to the Contractor. |
| 18. Queries about Implementation of the Contract | 18.1 | The Project Manager will clarify queries on all Contractual matters. |
| 19. Contractor to Execute the Works | 19.1 | The Contractor shall execute and install the Works in accordance with the terms and conditions of the Contract. |
| 20. Commencement and Completion of Works | 20.1 | The Contractor may commence execution of the Works by the Commencement Date and shall carry out the Works in accordance with the Works Program submitted by the Contractor, as updated with the approval of the Project Manager, and complete them by the Intended Completion Date. |
| 21. Approval by the Project Manager | 21.1 | The Contractor shall submit Specifications and Drawings showing the proposed Temporary Works to the Project Manager, who is to approve them if they comply with the Specifications and Drawings. |
| | 21.2 | The Contractor shall be responsible for design of Temporary Works. |
| | 21.3 | The Project Manager's approval shall not alter the Contractor's responsibility for design of the Temporary Works. |
| | 21.4 | The Contractor shall obtain approval of third parties to the design of the Temporary Works, where required. |
| | 21.5 | All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are |

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| | | subject to prior approval by the Project Manager. |
| 22. Protection of the environment | 22.1 | The Contractor shall take all reasonable steps to protect the environment and to limit damage and nuisance to people and property resulting from pollution, noise and other results of his operations. |
| | 22.2 | The Contractor shall ensure that emissions, surface discharges and effluent from his activities shall not exceed limits prescribed in relevant environmental laws. |
| 23. Labour Laws | 23.1 | The Contractor shall comply with all the relevant labour laws applicable in the United Republic of Tanzania, including laws relating to workers employment, social security, working hours, health, safety, welfare and immigration. |
| | 23.2 | The Contractor shall require his employees to obey all applicable laws, including those concerning safety at work. |
| 24. Taxes and Duties | 24.1 | The Contractor, Sub-contractors and Personnel shall pay such taxes, duties, fees and other impositions as may be levied under the Laws of Tanzania unless otherwise stated in the SCC. |
| 25. Health and Safety | 25.1 | The Contractor shall at all times take all reasonable precautions to maintain the health and safety of his personnel and the public as per the governing occupational, health and safety laws |
| | 25.2 | The Contractor shall ensure that first aid facilities are available at all times at the site and that suitable arrangements are made for all necessary welfare and hygiene requirements and for the prevention of epidemics |
| | 25.3 | The Contractor shall notify the Employer details of any accident as soon as practicable after its occurrence. The Contractor shall maintain records and make reports concerning health, safety, and welfare of persons, and |

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| | | damage to the property, as the Employer may reasonably require. |
| | 25.4 | The Contractor shall conduct an HIV-AIDS awareness programme, and shall take other such measures as specified in the SCC to reduce the risk of transfer of HIV virus between and among Contractor's personnel, the Employers Staff and the surrounding community. |



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| 26. Discoveries | 26.1 | Anything of historical or other interest or of significant value unexpectedly discovered on, in, or under the land at the Site shall be the property of the Employer. |
| | 26.2 | The Contractor shall notify the Project Manager of such discoveries and carry out the Project Manager's instructions for dealing with them. |
| | 26.3 | The Contractor shall take reasonable precautions to prevent his workers or any other persons from damaging such discoveries and shall immediately upon discovery thereof and before removal acquaint the Project Manager of such discovery and carry out at the expense of the Employer the instructions of the Project Manager. |
| 27. Possession of the Site | 27.1 | The Employer may give possession of whole or parts of the Site to the Contractor as stated in the SCC. If possession is not given by the date stated in the SCC, the Employer will be deemed to have delayed the start of the relevant activities, and this will be a Compensation Event. |
| 28. Access to the Site | 28.1 | The Contractor shall allow the Project Manager and any person authorized by the Project Manager access to the Site and to any place where work in connection with the Contract is being carried out or is intended to be carried out. |
| 29. Instructions, inspections and audits | 29.1 | The contractor shall comply with instructions given by the Project Manager in writing on any matter related to the contract |
| | 29.2 | The Contractor shall permit the Government, of the United Republic of Tanzania to inspect the Contractor's accounts and records relating to the performance of the Contract and to have them audited by auditors appointed by the Government of the United Republic of Tanzania if so required. |
| 30. Disputes Resolution | 30.1 | In the event of any dispute arising out of this contract, either party shall issue a notice of dispute to settle the dispute amicably. The parties hereto shall, within twenty |

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| | 30.4 | The arbitration shall be conducted in accordance with the arbitration procedure published by the Institution named and in the place shown in the SCC. |
| 31. Fees and Costs of Adjudicator | 31.1 | The rate of the Adjudicator's fee and administrative costs of adjudication shall be borne equally by the Parties. The rates and costs shall be in accordance with the rules of the Appointing Authority. In conducting adjudication to its finality each party shall bear its incurred costs and expenses. |
| 32. Replacement of Adjudicator | 32.1 | Should the Adjudicator resign or die, or should the Employer and the Contractor agree that the Adjudicator is not functioning in accordance with the provisions of the Contract; a new Adjudicator will be appointed by the Appointing Authority. |
| 33. Security of the Site | 33.1 | Unless otherwise stated in the SCC, (a) the Contractor shall be responsible for keeping unauthorised persons off the site, and (b) authorised persons shall be limited to the Contractor's and Employer's personnel, and to any other personnel and other Contractor notified to the Contractor by the Project Manager or Employer. |
| | | B. Time Control |
| 34. Program | 34.1 | Within the time stated in the SCC, the Contractor shall submit to the Project Manager for approval of the Work Program showing the method(s), arrangements, order and timing for all the activities of the Works. |
| | 34.2 | The Contractor shall submit to the Project Manager for approval an updated Works Program at intervals not longer than the period stated in the SCC. If the Contractor does not submit an updated Works Program |

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| | | within this period, the Project Manager may withhold the amount stated in the SCC from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program has been submitted. |
| | 34.3 | An update of the Works Program shall be a program showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work, including any changes to the sequence of the activities. |
| | 34.4 | The Project Manager's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Project Manager again at any time. A revised Program shall show the effect of Variations and Compensation Events if any. |
| 35. Extension of the Intended Completion Date | 35.1 | The Employer may extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining work, which would cause the Contractor to incur additional cost. |
| | 35.2 | The Employer shall, within twenty one (21) days of receipt of application for extension of the Intended Completion Date by the Contractor, decide whether or not to grant the extension. The application by the Contractor shall be granted only when supported by full information of a compensations event(s) or variation. |
| | 35.3 | In the event the Contractor has not issued an early warning notice of a delay or has failed to cooperate in |

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| | | dealing with a delay, such a delay or failure may be a ground for not granting the extension of the Intended Completion Date. |
| 36. Acceleration | 36.1 | When the Employer wants the Contractor to finish the Works before the Intended Completion Date, the Project Manager will obtain priced proposals for achieving the necessary acceleration from the Contractor. If the Employer accepts the said proposals, the Intended Completion Date will be adjusted accordingly and confirmed by both the Employer and the Contractor. |
| | 36.2 | in the event the Contractor's priced proposals for acceleration of the Works are accepted by the Employer, they shall be incorporated in the Contract Price and treated as a Variation. |
| 37. Delays Ordered by the Project Manager | 37.1 | The Project Manager may instruct the Contractor to delay the start or progress of any activity within the Works. |
| 38. Management Meetings | 38.1 | Either the Project Manager or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure. |
| | 38.2 | The Project Manager shall record the business of management meetings and provide copies of the record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken shall be decided by the Project Manager either at the management meeting or after the management meeting and stated in writing to all who attended the meeting. |

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| 39. Early Warning Notice | 39.1 | The Contractor shall give an early warning notice to the Project Manager at the earliest opportunity of specific likely future event(s) or circumstance(s) that may adversely affect the quality of the Works, increase the Contract Price or delay the execution of the Works. Upon receipt of the said Notice, the Project Manager may require the Contractor to provide an estimate of the expected effect of the future event(s) or circumstance(s) on the Contract Price and Intended Completion Date or Completion Date as the case may be. The estimate shall be provided by the Contractor as soon as reasonably possible. |
| | 39.2 | The Contractor shall cooperate with the Project Manager in making and considering proposals on how the effect of such an event(s) or circumstance(s) could be avoided or reduced by anyone involved in the Works and in carrying out any resulting Instruction of the Project Manager. |

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| | 48.5 | The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning notice. |
| 49. Cash Flow Forecasts | 49.1 | When the Works Program is updated, the Contractor shall provide the Project Manager with an updated cash flow forecast. The cash flow forecast shall include different currencies, as defined in the Contract, converted as necessary using the Contract exchange rates. |
| 50. Payment Certificates | 50.1 | The Contractor shall submit to the Project Manager monthly statements of the estimated value of the work executed less the cumulative amount certified previously. |
| | 50.2 | The Project Manager shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor within twenty eight (28) days from the receipt of the statement. |
| | 50.3 | The value of work executed shall be determined by the Project Manager. |
| | 50.4 | The value of work executed shall comprise the value of the quantities of the items in the Bill of Quantities completed. |
| | 50.5 | The value of work executed shall include the valuation of Variations, Compensation Events and Variation of Price. |

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| | 51.4 | Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract. |
| 52. Currencies | 52.1 | The currency of payment shall be stated in the SCC. |
| | | Where payments are to be made in currencies other than the Tanzania Shillings, the exchange rates to be used for calculating such amounts shall be the Bank of Tanzania exchange rate prevailing on the date of contract signature |

55.3

The adjustment to be applied to amount payable to the Contractor as certified in Payment Certificates shall be determined by a 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 as follows;

$$P_n = a + b \frac{L_n - L_o}{L_o} + c \frac{M_n - M_o}{M_o} + d \frac{E_n - E_o}{E_o} + etc.$$

where;

P_n is a price adjustment factor to be applied to the amount in each specific currency for the payment of the work carried out in the subject month, where such variations and daywork are not otherwise subject to adjustment;

a is a constant, specified in the **Appendix to Tender**, representing the nonadjustable portion in contractual payments;

b, c, d, etc., are weightings or coefficients representing the estimated proportion of each cost element (labor, materials, equipment usage, etc.) in the Works or sections thereof, net of Provisional Sums, as specified in the **Appendix to Tender**; the sum of **a, b, c, d, etc.**, shall be one;

Ln, Mn, En, etc., are the current cost indices or reference prices of the cost elements in the specific currency of origin for month "**n**," determined pursuant to CGC 55.5, applicable to each cost element; and

Lo, Mo, Eo, etc., are the base cost indices or reference prices corresponding to the above cost elements at the date specified in GCC 55.5

The value of net work done, certified by the Project Manager, in any monthly Interim or Final Certificate as payable by the Employer to the Contractor before deduction of any retention money shall be increased or decreased by an amount of '**F**'.

$$F = P_n x P_c$$

where;

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| | | <p>The effective value P_c of work done which is to be subjected to increase or decrease shall be the difference between:</p> <p>(i) the amount which, in the opinion of the Project Manager, is due to the Contractor under GCC 44 [Uncorrected Defects] (before deduction of retention money and before deducting sums previously paid on account) less:</p> <ul style="list-style-type: none"> • any amount for payment or repayment of any advance payment; • any amount for materials on site (if any); • any amounts for nominated sub-contractors (if any) • any amounts for any other items based on actual cost or current prices; or • any sums for increase or decreases in the Contract Price paid under GCC 55.3 <p>and</p> <p>(ii) the amount calculated in accordance with (i) above of GCC 55.3 and included in the last preceding statement.</p> |
| | 55.4 | <p>The sources of indices shall be those listed in the Appendix to Tender, as approved by the Project Manager. Indices shall be appropriate for their purpose and shall relate to the Contractor's proposed source of supply of inputs on the basis of which his Contract Price and expected foreign currency requirements shall have been computed. As the proposed basis for price adjustment, the Contractor shall have submitted with his Tender the tabulation of Weightings and Source of Indices in the Appendix to Tender, which shall be subject to approval by the Project Manager.</p> |
| | 55.5 | <p>The base cost indices or prices shall be those prevailing on the day 28 days prior to the latest date for submission of Tenders. Current indices or prices shall be those</p> |

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| | | prevailing on the day 28 days prior to the last day of the period to which a particular Interim Payment Certificate is related. If at any time the current indices are not available, provisional indices as determined by the Project Manager will be used, subject to subsequent correction of the amounts paid to the Contractor when the current indices become available |
| | 55.6 | If the Contractor fails to complete the Works within the time for completion prescribed under GCC 20 [Commencement and Completion of Works] adjustment of prices thereafter until the date of completion of the Works shall be made using either the indices or prices relating to the prescribed time for completion, or the current indices or prices, whichever is more favorable to the Employer, provided that if an extension of time is granted pursuant to GCC 35 [Extension of the Intended Completion Date], the above provision shall apply only to adjustments made after the expiry of such extension of time. |
| | 55.7 | The weightings for each of the factors of cost given in the Appendix to Tender shall be adjusted if, in the opinion of the Project Manager, they have been rendered unreasonable, unbalanced, or inapplicable as a result of varied or additional work already executed or instructed under GCC 48 [Payment for Variations] or for any other reason. |

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| 54. Retention | 56.1 | The Employer shall retain from each payment due to the Contractor the proportion stated in the Special Conditions of Contract . The total amount of retention shall not exceed the amount specified in the Special Conditions of Contract |
| | 56.2 | On completion of the whole of the Works, half the total amount retained shall be repaid to the Contractor and the other half when the Defects Liability Period has passed and the Project Manager has certified that all Defects notified by the Project Manager to the Contractor before the end of this period have been corrected. |
| | 56.3 | On completion of the whole Works, the Contractor may substitute retention money with an 'on demand" or unconditional Bank guarantee. |
| 55. Liquidated Damages | 57.1 | The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the SCC for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the maximum amount of performance security stated in the SCC. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities. |
| | 57.2 | Where the Project Manager, after assessment of work progress, upon satisfaction that the Contractor will not complete the works within the contract period, may issue a notice to the Contractor requiring the payment of liquidated damages pursuant to GCC 57.1 |
| | 57.3 | If the Intended Completion Date is extended after liquidated damages have been paid, the Project Manager |

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| | | shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate. The Contractor shall be paid interest on the overpayment, calculated from the date of payment to the date of repayment, at the rates specified in GCC 51.1 [Payments] |
| 56. Bonus | 58.1 | If stated in the Special Conditions of Contract the Contractor shall be paid a Bonus calculated at the rate per calendar day for each day (less any days for which the Contractor is paid for acceleration) that the Completion is earlier than the Intended Completion Date. The Project Manager shall certify that the Works are complete, although they may not be due to be complete. |
| 57. Advance Payment | 59.1 | If stated in the SCC the Employer shall make advance payment to the Contractor of the amounts stated in the SCC by the date stated in the SCC, against provision by the Contractor of an Unconditional Bank Guarantee in a form and by a bank acceptable to the Employer in amounts and currencies equal to the advance payment. The Guarantee shall remain effective until the advance payment has been repaid, but the amount of the Guarantee shall be progressively reduced by the amounts repaid by the Contractor. Interest will not be charged on the advance payment. |
| | 59.2 | The Contractor is to use the advance payment only to pay for Equipment, Plant, Materials, and mobilization expenses required specifically for execution of the Contract. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the Project Manager. |

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| | 59.3 | The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, as specified in the SCC following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuations of work done, Variations, price adjustments, Compensation Events, Bonuses, or Liquidated Damages. |
| 58. Performance Securities | 60.1 | The Performance Security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Employer, and denominated in the types and proportions of the currencies in which the Contract Price is payable as specified in the TDS and SCC and in accordance with the conditions of contract. |
| | 60.2 | The Performance Security shall be valid until a date 28 days from the date of issue of the Certificate of Completion in the case of a Bank Guarantee, and until one year from the date of issue of the Completion Certificate in the case of a Performance Bond |
| | 60.3 | Where circumstances necessitate the amendment of the contract after signature, and such amendment is effected, the Employer shall require the Contractor to provide additional Performance Security to cover any cumulative increase of more than ten percent of the Initial Contract Price. |

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| 59. Day-works | 61.1 | If applicable, the Day-works rates in the Contractor's Tender shall be used for small additional amounts of work only when the Project Manager has given written instructions in advance for additional work to be paid for in that way. |
| | 61.2 | All work to be paid for as Day-works shall be recorded by the Contractor on forms approved by the Project Manager. Each completed form shall be verified and signed by the Project Manager within two days of the work being done. |
| | 61.3 | The Contractor shall be paid for Day-works subject to obtaining signed Day-works forms. |
| 60. Cost of Repairs | 62.1 | Loss or damage to the Works or Materials to be incorporated in the Works between the Commencement Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions. |
| | | E. Discharge of the Contract |

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| 61. Completion Certificate | 63.1 | The Contractor shall request the Project Manager to issue a certificate of Completion of the Works, and the Project Manager will so issue upon satisfaction that the work is completed. |
| 62. Site Hand Over | 64.1 | When the Certificate of Completion is issued by the Project Manager, the Contractor shall handover the site and the works to the Employer within time specified in the SCC |
| 63. Final Account | 65.1 | Upon the expiry of the defect liability period, the Contractor shall supply the Project Manager with a detailed account of the total amount that the Contractor considers payable under the Contract. The Project Manager shall, within fifty six (56) days, verify the account and, upon satisfaction, certify any final payment due to the Contractor and thereafter issue a defect liability certificate. |
| | 65.2 | In the event the Project Manager is not satisfied with the Account submitted by the Contractor pursuant to sub-GCC 65.1, shall within 56 days issue a schedule of correction. If the final account remains unsatisfactory after it has been re-submitted, the Project Manager shall, upon consultation with the Employer, decide on the amount payable to the Contractor and issue a payment certificate. |
| 64. Operating and Maintenance Manuals | 66.1 | The Contractor shall supply to the Employer the "as built" Drawings and/or operating and maintenance manuals and any other related documents by the handover period stipulated pursuant to GCC 64.1 [Site |

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| | | Hand Over]. |
| | 66.2 | If the Contractor does not supply the Drawings and/or manuals stated in GCC 66.1 by the dates specified pursuant to GCC 64.1 [Site Hand Over] or they do not receive the Project Manager's approval, the Project Manager shall withhold the amount stated in the Special Conditions of Contract from payments due to the Contractor. |
| 65. Termination | 67.1 | The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract. |
| | 67.2 | <p>Fundamental breaches of Contract shall include, but shall not be limited to, the following:</p> <ul style="list-style-type: none"> a) the Contractor stops work for 28 days when no stoppage of work is shown on the current Works Program and the stoppage has not been authorized by the Project Manager; b) the Project Manager instructs the Contractor in writing to delay the Works progress, and the instruction is not withdrawn in writing within 28 days; c) contractor's failure to submit performance security within the time stipulated in the SCC; d) the Employer or the Contractor is declared bankrupt or goes into liquidation other than for a reconstruction or amalgamation; |

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| | | <p>harming, or threatening to impair or harm directly or indirectly, any part or the property of the Party for the purpose of influencing improperly the action or a part or in connection with public procurement or government contracting or in furtherance of a corrupt practice or a Fraudulent Practice</p> <p>“fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer and includes collusive practices among tenderers, prior to or after submission designed to establish tender prices at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition;</p> <p>“obstructive practice” means acts intended to materially impede access to required information in exercising a duty under this contract;</p> |
| | 67.3 | When either party to the Contract gives notice of a fundamental breach of Contract to the other party for a cause other than those listed under GCC 67.2 above, the Project Manager shall decide whether the said breach is fundamental or not. |
| | 67.4 | Notwithstanding the above, the Employer may terminate the Contract for convenience. |
| | 67.5 | If the Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure, and leave the Site as soon as reasonably possible. |

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| 67. Property | 69.1 | All Materials on the Site, Plant, Equipment, Temporary Works, and Works shall be deemed to be the property of the Employer if the contract is terminated for fundamental breach by the Contractor, |
| 68. Suspension of Financing | 70.1 | <p>In the event that the source of financing is suspended to the Employer, from which part of the payments to the Contractor are being made:</p> <p>(a) The Employer shall notify the Contractor of such suspension within Seven (7) days of having received the financing agency's suspension notice.</p> <p>(b) After the Notice has been issued and within fourteen (14) days, the Parties shall mutually agree on the future events of the Contract</p> |
| 69. Force Majeure | 71.1 | Neither Party shall have any liability or be deemed to be in breach of the Contract for any delay or other failure in performance of its obligations under the Contract, if such delay or failure is a result of an event of Force Majeure. |
| | 71.2 | For purpose of this clause, "Force Majeure" means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of a Party, and which makes a Party's performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances, and includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood, epidemics, or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent |

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| | 71.3 | If a Party (hereinafter referred to as "the Affected Party") is or will be prevented from performing its substantial obligation under the contract by Force Majeure, it shall give a Notice to the other Party giving full particulars of the event and circumstance of Force Majeure and the reasons for the event of Force Majeure preventing the Affected Party from, or delay the Affected Party from performing its obligations under the Contract. The Notice shall be given within fourteen days after the Affected Party becomes aware, or should have become aware, of the relevant event or circumstances constituting Force Majeure. |
| | 71.4 | The Affected Party shall use reasonable efforts to mitigate the effects of the event of Force Majeure and shall endeavour to minimise any delay in the performance of the contract as a result of Force Majeure. |
| | 71.5 | The Affected Party shall give Notice to the other Party when it ceases to be affected by the Force Majeure. |
| | 71.6 | Upon completion of the event of Force Majeure and issuance Notice pursuant to GCC 71.4, the Affected Party must, as soon as reasonably practicable recommends the performance of its obligations under the contract. Where the Affected Party is the Contractor, the Contractor must provide a revised Work Program rescheduling the Works to minimise the effect of the prevention or delay caused by the event of Force Majeure. |
| 70. Release from Performance | 72.1 | In the event the Affected Party have used all reasonable efforts to mitigate the effect of the event of force Majeure and minimize any delay in the performance of the contract as result of force Majeure, but the effect of force Majeure still subsist, the Project Manager shall certify that the Contract has been frustrated. |
| | 72.2 | Upon certification by the Project Manager pursuant to GCC 72.1 the Contractor shall make the site safe and stop work as quickly as possible after receiving the certificate and shall be paid for all Works carried out. |

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER,
ELDERLY AND CHILDREN

Telegrams: "AFYA", DODOMA
Telephone: +255 026 2323267
Email: Ps@afya.go.tz.
(All letters should be addressed to
The Permanent Secretary)



Government City- Mtumba
Afa Street
P. O. Box 743
40478 DODOMA

Ref. No.CAB 209/549/01/214

3thDecember, 2021

KIURE ENGINEERING
P.O Box 2714
ARUSHA.

**RE: NOTIFICATION OF CONTRACT AWARD FOR TENDER NO TENDER NO.
ME/007/2021-2022/HQ/W/18 PROPOSED CONSTRUCTION OF TWO
STOREY OPD BUILDING FOR SONGEA RRH procurement under
TANZANIA COVID 19SOCIAL ECONOMIC RECOVERY PLAN (TCRP)**

Reference is made to the above heading.

2. Please be informed that, your Tender No: **ME/007/2021-2022/HQ/W/18** submitted was approved by Ministerial Tender Board held on 3rd December, 2021.

3. The contract is hereby accepted by the Ministry of Health Community Development, Gender, Elderly and Children at a Contract sum of Tanzania TZS **Three Billion Eight Hundred Seventy Million (3,870,000,000.00) VAT Inclusive** for the period of 6 calendar months after site possession with 12 calendar months for Defects liability.

Thank you for your cooperation.

A handwritten signature in black ink, appearing to read 'Tumainiel E. Macha'.

Tumainiel E. Macha
ACTING PERMANENT SECRETARY (HEALTH)

A small, stylized handwritten mark or signature in the bottom right corner of the page.

06th December, 2021

Ref: KEL/ME/007/2021-2022/HQ/W/18/01

Ministry of Health, Community Development,
Gender, Elderly and Children (MOHCDGEC),
Government City, Mtumba,
Afya Road,
P.O. Box 743,
40478 DODOMA.

REF: PROPOSED CONSTRUCTION OF TWO STOREY OPD BUILDING AT SONGEA
RRH PROCUREMENT UNDER TANZANIA COVID 19N SOCIAL ECONOMIC
RECOVERY PLAN(TCRP) TENDER NO. ME/007/2021-2022/HQ/W/18

Sub: Acceptance of Award

We thankfully acknowledge the receipt of your letter dated 3rd December, 2021 with reference number CAB 209/549/01/214. We are extremely delighted to win this contract and excited about this great opportunity to work with you. We Kiure Engineering Ltd conditionally accept the award for the **Proposed Construction of Two Storey OPD Building at Songea RRH Procurement under Tanzania Covid 19 Social Economic Recovery Plan (TCRP)**

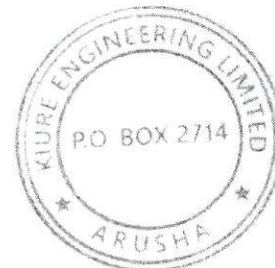
Once again thank you very much for this honor, we at Kiure Engineering Ltd promises nothing than the best professionalism and value for money.

Yours Faithfully

KIURE ENGINEERING LTD

SAID KIURE

CONTRACT MANAGER



SK

NEGOTIATION MINUTES



RECORD OF NEGOTIATIONS

Name of the Procuring Entity: MOHCDGEC

Tender ID No.: ME/007/2021-2022/HQ/W/18

Subject of Procurement: PROPOSED CONSTRUCTION OF TWO STOREY OPD BUILDING FOR SONGEA RRH procurement under TANZANIA COVID 19 SOCIAL ECONOMIC RECOVERY PLAN (TCRP)

Method of Procurement: Restricted

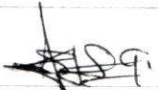
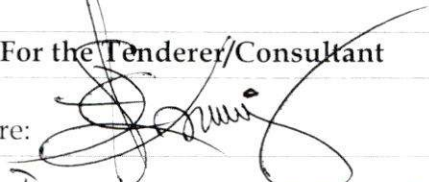
Date of Negotiation (30.11.2021)

| PART 1: RECORD OF NEGOTIATIONS | |
|--------------------------------|--|
| ISSUE | AGREEMENT (WITH FULL DETAILS)az |
| Scope of the work | The scope of the works is as defined in the BOQ of the project including the specifications. As regards the method statement we shall administer the contract according to the traditional method and as for the method statement of the works execution it will be submitted by the contractor. |
| Contract price | <p>The read out submitted contract sum from the contractor was Tshs.3,882,380,894.10. (VAT Inclusive). During evaluation a positive error of Tshs. 3,296,094.10 was noted making the corrected Contract sum to be Tshs. 3,879,084,800. (VAT Inclusive) After protracted negotiation the contractor agreed to offer a discount of 0.23% on the contract amounting to Tsh. 9,084,800 Thus, making the agreed Contract sum to be Tshs. 3,870,000,000 (VAT Inclusive).</p> <p>Since the available budget is 2.7 bil, it was agreed that the contract will be executed in phases as per following guidance;</p> <p>The parties will sign the contract with phases 1st phase to be executed as per available budget (2.7 Billion)</p> |

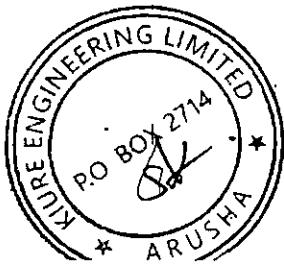
| | |
|---------------------|--|
| | <p>2nd phase will be executed Under the following conditions</p> <ul style="list-style-type: none"> i) There will be no price adjustment within six (6) months after completion period of phase one ii) Contractor will be liable to submit performance bond and advance payment guarantee in phases as per scope agreed. iii) The agreed project Duration for the whole project is seven (7) Month and phase 1 expected to within Five (6) months |
| Compensation events | As regards the time allowed to compensate for interest, The new treasury directives payment is within 60 days against the 28 days in the fixed contract. It has been agreed that the required days for payment will remain 28 days as per contract but claim for interest on delayed payments will start after 60 days including granting of an extension of time. |
| Payment modalities | The payment modalities will be as stipulated in the special conditions of contract. ie 15% of contract sum as advance payment supported by an unconditional bank guarantee. Other Payments such as Interim certificates, Penultimate certificates and Final certificates will be as per contract. |
| Liabilities | The contractor has agreed to abide by all the contract terms and conditions including quality time and cost. |
| Securities | The contractor will submit an unconditional bank guarantee for the advance payment claim, For Performance Bond and Contractors all risk will be in the form of Insurance from a reputable firm. The Performance bond will be submitted within the mobilization period |

| | |
|-----------------------|--|
| Staffing | All the key staff to the project as required by the Tender requirements will be available and in case of any change will be replaced by an equally qualified profession. The Client will appoint a clerk of works who will be approved by the consultants. The consultant will have full representation on the site during the whole period of construction. |
| Work duration | The work duration is agreed to span for 7 calendar months from the day of site possession for construction works and 12 calendar months for Defects liability period. The contractor has been granted Two weeks mobilization period from the date of site possession. The commencement and completion date will be established during site possession meeting. |
| Work schedule | The contractor will submit a detailed work program according to the duration of the work to be submitted during the mobilization period. |
| Statutory obligations | The contractor was instructed and agreed to abide by all the statutory obligations of the contract regarding local authorities including registration of the project. |

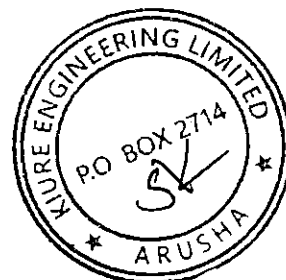
We hereby certify that the above is a true and accurate record of the negotiations:

| For the Procuring Entity | For the Tenderer/Consultant |
|--|---|
| Signature:  | Signature:  |
| Name: Jotham G. Mwakabanga | Name: Eng. OMAR J. KIUBE |
| Position: Chairman | Position: MANAGING DIRECTOR |
| Date: 30/11/2021 | Date: 30 th November 2021 |

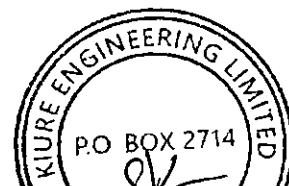
SECTION VIII: BILL OF QUANTITIES



**BILL NR. 1 – PRELIMINARIES AND
GENERAL MATTERS**

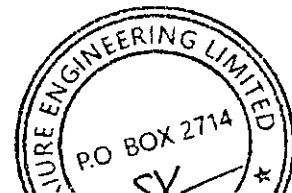


| Item | DESCRIPTION | T. SHS |
|---------------|---|--------|
| | <p>Definition of Terms (contd)</p> <p>Wherever the term "Fix" occurs, this shall mean the fixing only of materials or goods provided by a Nominated Supplier</p> <p>Wherever the term "Fix only" occurs in this section shall mean the fixing of materials taken in another section of the bills of quantities as "Provide only"</p> <p>The term "Provisional Sum" shall mean a sum of money to be included in the contract to cover the cost of a portion of the works the extent or nature of which is undetermined at the time of preparing the Contract Documents or which cannot be accurately determined until the work is completed</p> <p>The term "Prime Cost Sum" shall mean a sum provided for works or service to be executed by a Nominated Sub-contractor, a Statutory Authority or a Public Undertaking, or for materials and goods to be obtained from a Nominated Supplier. Such sum shall be deemed to be exclusive of any cash discount or profit required by the general Contractor.</p> <p>A General Attendance on Nominated Sub-contractors, Local Authority and Public Undertakings</p> <p>The word "general attendance" in this document shall be deemed to include use of standing scaffolding, messrooms, sanitary accommodation and welfare facilities, providing space for office accommodation, and store for storage of plants and materials, providing light and water for the work and clearing away rubbish.</p> <p>It shall also be deemed to including arranging with Local Authorities, Public Undertakings, Nominated Sub-contractors and Suppliers at the time for commencement of their work on the site or manufacture and delivery of their goods and materials as appropriate, obtaining from them particulars of holes, mortices, chases, recesses, fixing and the like and supplying them with all dimensions and other information so that their respective works should and can proceed without interruption for the proper execution of the works</p> <p>B Special Attendance on Sub-contractors, Local Authorities and Public Undertakings</p> <p>The contractor shall allow for all costs arising from the items of general attendance, which have been included where required, after the items of general attendance. The meaning of certain terms used in the description of such items in this document, shall be defined as hereunder:</p> <p>(i) Unloading and Hoisting. The contractor shall include for unloading all materials and plant, hoisting or lowering to various floor levels where required and depositing. Unless otherwise stated, the handling and moving of plant and materials to their positions after depositing at the required floor level will be carried out by Sub-contractor, Authority or Public Undertaking.</p> <p>(ii) Special Scaffolding. The contractor shall include for providing, erecting and dismantling scaffolding, or the equivalent beyond that required for the contractor's own use to enable sub-contractors to execute their work</p> <p>Notwithstanding the absence of a reference to special scaffolding, the Contractor is to allow in the item for general attendance for the provision of scaffolding for the sub-contractor if the method for scaffolding he proposes to use for contiguous work would not provide adequate scaffolding for the Sub-contractor's work described, due to</p> | |
| To Collection | T. Shs | |

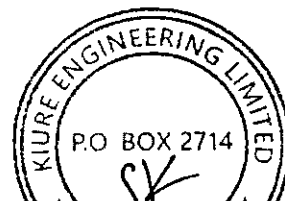


Njombe Regional Hospital Phase I OPD - Preliminaries and General Matters

| Item | DESCRIPTION | T. SHS |
|---------------|---|--------|
| | <p>Conditions of Contract (contd)</p> <p>Clause 18: Approval by the Project Manager.</p> <p>Clause 19: Protection of the environment</p> <p>Clause 20: Labour Laws</p> <p>Clause 21: Health and safety</p> <p>Clause 22: Discoveries</p> <p>Clause 23: Possession of the site</p> <p>Clause 24: Access to the site</p> <p>Clause 25: Instructions, inspections audits</p> <p>Clause 26: Disputes</p> <p>Clause 27: Procedure for disputes</p> <p>Clause 28: Replacement of Adjudicator</p> <p>Clause 29: Program</p> <p>Clause 30: Extension of intended completion date</p> <p>Clause 31: Acceleration.</p> <p>Clause 32: Delays ordered by the Project Manager</p> <p>Clause 33: Management meetings</p> <p>Clause 34: Early warning</p> <p>Clause 35: Identifying defects</p> <p>Clause 36: Tests</p> <p>Clause 37: Correction of Defects</p> <p>Clause 38: Uncorrected defects</p> <p>Clause 39: Bill of quantities</p> <p>Clause 40: Changes in the quantities</p> | |
| To Collection | T. Shs | |

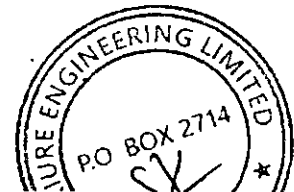


| Item | DESCRIPTION | T. SHS |
|------|--|--------|
| A | <p>Safety, Health and Welfare of Work People</p> <p>The Contractor shall be responsible for and shall ensure the safety and welfare of his workpeople, and those of his Sub-contractors, Nominated Sub-contractors, Nominated Suppliers and persons employed directly by the Employer. Allow for providing and maintaining on site adequate medical facilities and approved first aid equipment fully replenished and in accessible position</p> | |
| B | <p>Notice and Fees</p> <p>The Contractor shall give all notices in compliance with statutory authorities requirements.</p> <p>The Contractor shall pay all fees and charges required. The mount of all such fees and charges shall be deemed to be included in the Contract Sum. Those in respect of the following items are included elsewhere in this Document if applicable to the works.</p> <p>rates on temporary buildings, Hoardings temporary telephones water for the works works to be carried out by Local Authorities or Statutory Undertakings.</p> | |
| C | <p>Protection of the Works</p> <p>The Contractor shall allow for protecting the whole of the works from damage by weather and other causes and which shall include temporary casings covering, planked barrow runs, padding ladders and scaffolding used on the work and all other measures of protecting the work from damage or soiling.</p> <p>The Contractor shall not permit anything to be done that is calculated to injure the stability of the works or buildings and no cuttings through walls or floors shall be done, other than as indicated by the drawings or as described herein, without the sanction of the Architect, and the Contractor will be held responsible for all damage arising through carelessness or inadvertence in this respect. Any works damaged or spoiled by weather, traffic or other causes shall be taken down and re-executed or otherwise made good by and at the cost of the Contractor.</p> | |
| D | <p>Protection of Persons and Property</p> <p>The Contractor shall provide for the efficient protection of the public, the Employer's servants and property and all other persons occupying or using the premises, also of adjoining or neighboring property during the progress of the works included in or required to be done in connection with the Contract.</p> <p>The Contractor shall take all precautions to eliminate as far as possible the danger to the public and other persons arising from the entry and exit of vehicles to and from the site.</p> | |
| E | <p>Temporary Hoardings and Gantries</p> <p>The Contractor shall provide temporary hoardings, guard rails, gantries and the like as may be necessary for protecting the public, and for proper execution of the works and for meeting the requirements of statutory authorities.</p> | |
| | <p>To Collection T. Shs</p> | |



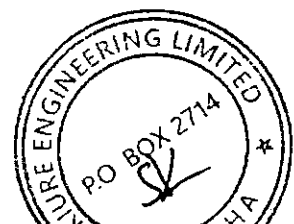
Njombe Regional Hospital Phase I OPD - Preliminaries and General Matters

| Item | DESCRIPTION | T. SHS |
|----------------------|---|--------|
| <p>A</p> | <p>Temporary Lighting and Power for the Works.</p> <p>The Contractor shall provide all artificial lighting, electric power and other energy required for the execution of the works. The provision of light and where appropriate, power for Nominated Sub-contractors, Authorities and Boards is included in the items of general and special attendance in provisional and P.C. Sum. The Contract Sum shall be deemed to include for all fees and charges and for all temporary services and clearing away on completion, and for the cost of all current consumed for the works.</p> <p>The Contractor shall be responsible for checking all schedules and drawings supplied by the Consultant and all shop drawings approved by the Consultant. In the event of any discrepancy being found between such schedules and drawings or if the Contractor considers that additional detail drawings are required, then in either case the Contractor shall report such discrepancy to the Architect for instruction or apply in writing for such detail drawings at least 28 days before the works concerned are to be executed. The Contractor shall ascertain from the drawings or otherwise any holes, recesses, plugs, etc., which may be required in time to form these as the works proceed. No extra payment will be allowed for cutting or forming such holes, recesses or plugs subsequently.</p> <p>The Contractor's attention is drawn to the requirements for the submission of samples, shop drawings, certificates and guarantees contained in previous or subsequent items of this Document.</p> <p>B Samples</p> <p>Samples of proposed materials and workmanship shall, if required by the Consultant, be submitted for approval, and these samples will be left on site by the Consultant who shall have power to reject all such materials and condemn such workmanship if do not correspond with the approved samples.</p> <p>C Tests</p> <p>The Consultant may, whenever he considers it desirable, test any materials before they leave the maker's premises as well as after delivery on the site, and the Consultant shall be at liberty to reject any materials after delivery should he consider them unsatisfactory, notwithstanding the preliminary test and approval of the materials at the maker's premises. The costs of these tests are to be borne by the Contractor.</p> <p>When directed by the Consultant, samples of materials (samples being taken by approved sampling methods) are to be supplied by the Contractor for laboratory tests and shall be delivered by the Contractor at his own cost to the Project Manager's/Architect's office or as otherwise directed.</p> <p>The Contractor shall, whenever so instructed by the Consultant, cut out sections of work executed or samples of materials incorporated therein and shall deliver them where directed for the purpose of testing. All work disturbed shall be made good forthwith by the Contractor. All costs incurred in cutting out, making good and delivering as aforesaid, shall be borne by the Contractor.</p> | |
| <p>To Collection</p> | <p>T. Shs</p> | |

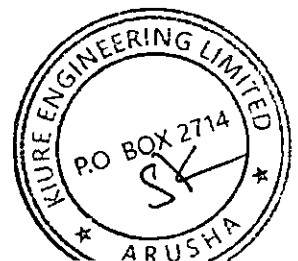


Njombe Regional Hospital Phase I OPD - Preliminaries and General Matters

| Item | DESCRIPTION | T. SHS |
|------|---|--------|
| A | <p>Stamp Charges Allow for paying all stamp charges in connection with the Surety Bond and the Contract Agreement.</p> | |
| B | <p>Temporary Works Generally Clearing away temporary works and making good after shall be deemed to be included with the items.</p> | |
| C | <p>Temporary Buildings for Use by the Contractor The Contractor shall, at his own cost, supply and erect all temporary buildings, sheds, messrooms and stores with floors at least 150mm above ground level. No office, stores or other temporary buildings shall be erected on the site without first obtaining the consent of the Consultant as to the type of temporary building to be supplied and position on which they are to be erected.</p> | |
| D | <p>Temporary Latrines The Contractor shall at his own cost, provide and erect temporary latrines for workpeople on the site, and they shall be maintained in a clean and sanitary condition where the connection of such latrines is not possible to a sewer or approved chemical type. No temporary latrines shall be erected on the site without first obtaining the consent of the Consultant as to the type of latrines to be provided and position on which they are to be erected.</p> | |
| E | <p>Temporary Facilities for Use by Persons Acting on Behalf of the Employer The Contractor shall provide, erect and maintain where directed on site, an approved lock-up office size not less than 3.00m x 4.00m constructed of new materials, for the sole use of persons acting on behalf of the Employer complete with drawing table along the full length of one side, a wooden stool and all necessary attendance and cleaning facilities.</p> | |
| F | <p>Sign Board The Contractor shall, unless otherwise directed, obtain any necessary consent or licence from the Local Authority and immediately upon commencement of the works the Contractor shall, in accordance with the details supplied by the Consultant, make and erect a sign board showing the name of the Employer and such other information as shall be directed and approved by the Consultant.</p> | |
| G | <p>Survey Equipment The Contractor shall provide and keep on the works all necessary survey equipment for the sole use of the Consultant or his representative and shall provide all necessary attendance.</p> | |
| H | <p>Removing Rubbish and Cleaning The Contractor shall remove all rubbish and superfluous materials from the site of the works with all reasonable speed from time to time and at completion. The Contractor shall also properly cleanse floors, woodwork, steps, pavings, roads, hardstandings, glass (inside and out), cisterns, flushing cisterns, all finishings and leave the whole of the works in a sound and perfect condition free from all defects whatsoever, and to the satisfaction of the Architect.</p> | |
| | <p>To Collection T. Shs</p> | |

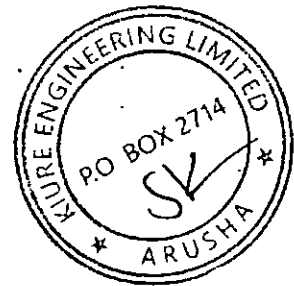


| Item | DESCRIPTION | T. SHS |
|------|---|--------|
| | <p>PRELIMINARIES AND GENERAL MATTERS (CONTD)</p> <p>A General Scaffolding</p> <p>The Contractor is to provide all scaffolding required for the proper execution of the works including altering and adapting as necessary. All scaffolding shall be to the approval of the Project manager/Architect.</p> <p>The use of standing by Nominated sub-contractors and the provision of special scaffolding for them are included in the items of general and special attendance on PC sums or should be included in the prices for work to be done by domestic sub-contractors.</p> <p>If the Contractor should strike any of his scaffolding before ascertaining whether it is required by any Nominated sub-contractor, or public undertaking, or by the Employer's tradesmen, he must re-erect it if so required at his own expense.</p> <p>B Pricing</p> <p>The Contractor shall price out individually and in detail all the items in this section and any other section of the Bills of Quantities as required and under no circumstances will a lump sum price be allowed.</p> <p>A rate or price shall be entered against each item in the priced Bills of Quantities. The cost of items against which the Contractor has failed to enter a rate or price shall be deemed to be covered by other rates or prices in the Bills of Quantities.</p> | |
| | <p>To Collection</p> <p style="text-align: right;">T.shs.</p> | |

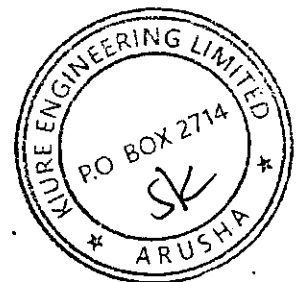


Njombe Regional Hospital Phase I OPD - Preliminaries and General Matters

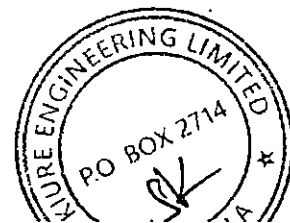
| Item | DESCRIPTION | T. SHS |
|------|--|--------|
| | PRELIMINARIES AND GENERAL MATTERS (CONTD) | |
| | COLLECTION | |
| | Page 1/1 | |
| | Page 1/2 | |
| | Page 1/3 | |
| | Page 1/4 | |
| | Page 1/5 | |
| | Page 1/6 | |
| | Page 1/7 | |
| | Page 1/8 | |
| | Page 1/9 | |
| | Page 1/ 10 | |
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| | Page 1/12 | |
| | | |
| | BILL NR.1: PRELIMINARIES TOTAL CARRIED TO GENERAL SUMMARY T.SHS | |



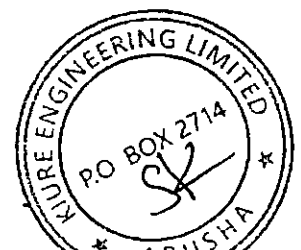
BILL NR. 2 - MEASURED WORK



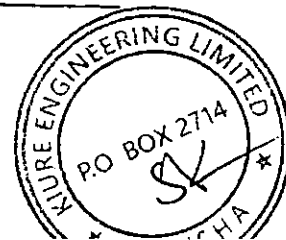
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|---|------|----------------|--------|----------------|
| ELEMENT NR. 1: SUBSTRUCTURE (PROVISIONAL) | | | | | |
| EXCAVATION AND EARTHWORKS | | | | | |
| A | Clear site of bushes, scrub, undergrowth and the like including grubbing up their roots | 2010 | m ² | 1,500 | 3,015,000 ✓ |
| B | Excavate oversite average 200mm deep to remove top soil, convey average 50 linear meters and deposit in temporary spoil heaps | 2010 | m ² | 1,500 | 3,015,000 ✓ |
| C | Excavate foundation trenches commencing at stripped level and not exceeding 1.50meters deep | 544 | m ³ | 6,000 | 3,264,000 ✓ |
| D | Excavate pit for column, lift bases and the like, commencing at stripped level and not exceeding 1.50meters deep | 1076 | m ³ | 6,000 | 6,456,000 ✓ |
| E | Extra over any kind of excavation for breaking up rock and the like | 16 | m ³ | 10,000 | 160,000 ✓ |
| F | Earth filling of selected imported excavated material well rammed and consolidated around foundations | 1083 | m ³ | 20,000 | 21,660,000 ✓ |
| G | 300mmn Thick earth filling of imported selected excavated material, well rammed and consolidated to make up levels under floors | 1358 | m ² | 6,000 | 8,148,000 ✓ |
| H | Ditto; with surfaces graded to falls (<i>ramps</i>) | 4 | m ² | 6,000 | 24,000 ✓ |
| J | Load up surplus excavated material and remove from site | 537 | m ³ | 4,000 | 2,148,000 ✓ |
| K | Disposal of water Allow for keeping all excavations free from general water (except spring or running water) by pumping, bailing or by other means necessary | | Item | | 300,000 ✓ |
| L | Plunking and Strutting Allow for the provision and subsequent removal of plunking and strutting to up hold and maintain all faces of excavations | | Item | | 500,000 ✓ |
| | To collection | | | | 48,690,000 ✓ |



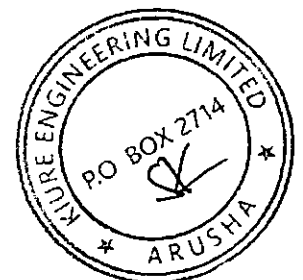
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|--|------|----------------|---------|----------------|
| SUBSTRUCTURE (Cont'd) | | | | | |
| Hardcore | | | | | |
| A | 200mm Bed levelled and blinded to receive damp proof membrane | 1358 | m ² | 20,000 | 27,160,000 ✓ |
| B | Ditto; with surfaces graded to falls (ramps) | 4 | m ² | 20,000 | 80,000 ✓ |
| Soil sterilization | | | | | |
| C | "Gammaxin" solution or any other equal and approved type applied at a rate of 7 litres per square metre to hardcore beds | 1362 | m ² | 800 | 1,089,600 ✓ |
| D | "Gammaxin" solution or any other equal and approved type applied at a rate of 8 litres per linear metre per 600mm deep per 235mm wide to backfill to one side of foundation wall | 316 | m | 800 | 252,800 ✓ |
| CONCRETE WORK | | | | | |
| Plain Concrete grade "10" | | | | | |
| E | 50mm Blinding | 311 | m ² | 11,500 | 3,576,500 ✓ |
| Plain concrete Grade "15" | | | | | |
| F | Foundations | 160 | m ³ | 230,000 | 36,800,000 ✓ |
| Reinforced concrete grade '30' with cube strength at 28 days; 25N/mm; including vibrating around reinforcement | | | | | |
| G | Isolated column bases | 135 | m ³ | 300,000 | 40,500,000 ✓ |
| H | Lift base | 6 | m ³ | 300,000 | 1,800,000 ✓ |
| J | Columns | 15 | m ³ | 300,000 | 4,500,000 ✓ |
| K | Ground beams | 31 | m ³ | 300,000 | 9,300,000 ✓ |
| | To collection | | | | 125,058,900 ✓ |



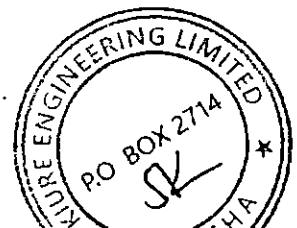
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|--|------|----------------|--------|----------------|
| SUBSTRUCTURE (Cont'd) | | | | | |
| CONCRETE WORK | | | | | |
| Reinforced concrete grade '30' with cube strength at 28 days; 25N/mm; including vibrating around reinforcement | | | | | |
| A | 150mm Thick lift wall | 14 | m ² | 45,000 | 630,000 ✓ |
| B | 150mm Thick bed | 1565 | m ² | 45,000 | 70,425,000 ✓ |
| C | 150mm Thick ramp | 4 | m ² | 45,000 | 180,000 ✓ |
| Reinforcement | | | | | |
| Steel fabric reinforcement BS 252 | | | | | |
| D | Square mesh fabric ref. A193 weighing 2.22Kg per square metres | 1569 | m ² | 14,000 | 21,966,000 ✓ |
| High tensile steel bars reinforcement to BS 4466:1969 with a minimum yield stress of 460N/mm | | | | | |
| E | 20mm Diameter bars | 4462 | kg | 3,200 | 14,278,400 ✓ |
| F | 12mm Diameter bars | 7300 | kg | 3,200 | 23,360,000 ✓ |
| G | Assorted bars (Lift wall below plinth level, Provisional) | 336 | kg | 3,200 | 1,075,200 ✓ |
| Mild steel round bars reinforcement to BS 4466:1969 with a minimum yield stress of 250N/mm | | | | | |
| H | 8mm Diameter bars | 2280 | kg | 3,200 | 7,296,000 ✓ |
| To collection | | | | | 139,210,600 ✓ |



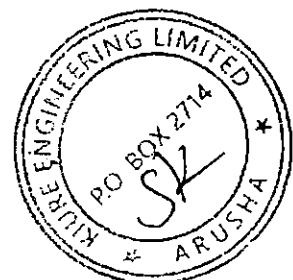
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|------|----------------|--------|----------------|
| | SUBSTRUCTURE (Cont'd) | | | | |
| | CONCRETE WORK | | | | |
| | Sawn formwork to: | | | | |
| A | Vertical or battering sides of foundations, column bases and the like. | 403 | m ² | 10,000 | 4,030,000 ✓ |
| B | Vertical or battering sides of columns | 204 | m ² | 20,000 | 4,080,000 ✓ |
| C | Vertical or battering sides of lift wall | 28 | m ² | 20,000 | 560,000 ✓ |
| D | Vertical or battering sides of ground beams | 271 | m ² | 20,000 | 5,420,000 ✓ |
| E | Vertical edges of beds over 75mm but not exceeding 150mm high | 316 | m | 12,000 | 3,792,000 ✓ |
| | WALLING | | | | |
| | Solid concrete blocks to BS 2828 type 'A' bedded and jointed in cement mortar (1:3) | | | | |
| F | 230mm Wall | 1038 | m ² | 35,000 | 36,330,000 ✓ |
| | Damp-proof Courses | | | | |
| G | Hessian based bitumen damp proof course to BS 743 type 5A 230mm wide laid horizontally on blockwork | 902 | m | 1,000 | 902,000 ✓ |
| H | 500Gauge polythene damp proof membrane laid over blinded hardcore bed (measured separately) | 1362 | m ² | 3,000 | 4,086,000 ✓ |
| | To collection | | | | 59,200,000 ✓ |



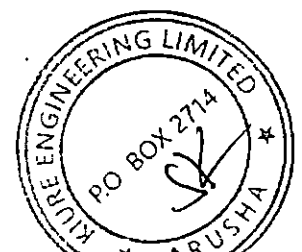
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|---|-------|----------------|---------|----------------|
| ELEMENT NR. 2: FRAME | | | | | |
| CONCRETE WORK | | | | | |
| Reinforced concrete grade '30' with cube strength at 28 days; 25N/mm; including vibrating around reinforcement | | | | | |
| A | Columns | 74 | m ³ | 300,000 | 22,200,000 ✓ |
| B | Horizontal and sloping beams not exceeding 15 degrees from horizontal | 136 | m ³ | 300,000 | 40,800,000 ✓ |
| C | 150mm Thick horizontal suspended floor slabs | 1472 | m ² | 45,000 | 66,240,000 ✓ |
| C | 150mm Thick horizontal suspended roof slab | 47 | m ² | 45,000 | 2,115,000 ✓ |
| D | 150mm Thick lift walls | 59 | m ² | 45,000 | 2,655,000 ✓ |
| E | Sunshading coping/canopy (<i>Provisional</i>) | 13 | m ³ | 45,000 | 585,000 ✓ |
| Reinforcement | | | | | |
| High tensile steel bars reinforcement to BS 4466:1969 with a minimum yield stress of 460N/mm | | | | | |
| F | 20mm Diameter bars | 9140 | kg | 3,200 | 29,248,000 ✓ |
| G | 16mm Diameter bar | 17456 | kg | 3,200 | 55,859,200 ✓ |
| H | 12mm Diameter bars | 28123 | kg | 3,200 | 89,993,600 ✓ |
| J | Assorted bars (<i>Sunshading, Provisional</i>) | 2033 | kg | 3,200 | 6,505,600 ✓ |
| Mild steel round bars reinforcement to BS 4466:1969 with a minimum yield stress of 250N/mm | | | | | |
| K | 8mm Diameter bars | 5921 | kg | 3,200 | 18,947,200 ✓ |
| To collection | | | | | 335,148,600 ✓ |



| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|------|----------------|--------|----------------|
| | FRAME (Cont'd) | | | | |
| | CONCRETE WORK | | | | |
| | Sawn formwork to: | | | | |
| A | Horizontal soffits of suspended slab | 1337 | m ² | 25,000 | 33,425,000 ✓ |
| B | Vertical or battering sides of columns | 982 | m ² | 20,000 | 19,640,000 ✓ |
| C | Vertical or battering sides of lift walls | 117 | m ² | 20,000 | 2,340,000 ✓ |
| D | Sides and soffits of horizontal beams | 1545 | m ² | 20,000 | 30,900,000 ✓ |
| E | Sides and soffits of openings in wall | 2 | m ² | 20,000 | 40,000 ✓ |
| F | Vertical edges of suspended slab over 75mm but not exceeding 150mm high | 324 | m | 3,750 | 1,215,000 ✓ |
| G | Sides and soffits of sunshading canopy (Provisional) | 146 | m ² | 25,000 | 3,650,000 ✓ |
| | To collection | | | | 91,210,000 ✓ |
| | COLLECTION | | | | |
| | Page 2/2/1 | | | | 335,148,600 ✓ |
| | Page 2/2/2 | | | | 91,210,000 ✓ |
| | ELEMENT NR. 2: FRAME CARRIED TO SUMMARY OF BILL NR. 2 | | | | 426,358,600 ✓ |

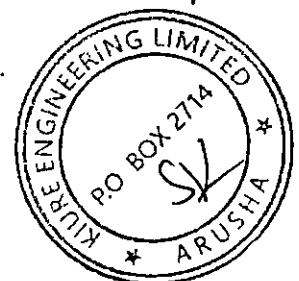


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|---|------|----------------|---------|---------------------|
| ELEMENT NR. 3: STAIRS | | | | | |
| CONCRETE WORK | | | | | |
| Reinforced concrete grade '30' with cube strength at 28 days; 25N/mm; including vibrating around reinforcement | | | | | |
| A | Stairs | 10 | m ³ | 300,000 | 3,000,000 ✓ |
| B | Horizontal and sloping beams not exceeding 15 degrees from horizontal | 1 | m ³ | 300,000 | 300,000 ✓ |
| C | 150mm Horizontal suspended landing | 29 | m ² | 45,000 | 1,305,000 ✓ |
| Reinforcement | | | | | |
| High tensile steel bars reinforcement to BS 4466:1969 with a minimum yield stress of 460N/mm | | | | | |
| D | 16mm Diameter bars | 1519 | kg | 3,200 | 4,860,800 ✓ |
| E | 12mm Diameter bars | 538 | kg | 3,200 | 1,721,600 ✓ |
| Sawn formwork to: | | | | | |
| F | Sides and soffits of horizontal beams | 13 | m ² | 20,000 | 260,000 ✓ |
| G | Horizontal soffits of suspended landings | 26 | m ² | 20,000 | 520,000 ✓ |
| H | Sloping soffits of stairs | 43 | m ² | 20,000 | 860,000 ✓ |
| J | Vertical risers over 150mm but not exceeding 225mm high | 126 | m | 4,500 | 567,000 ✓ |
| To collection | | | | | 13,394,400 ✓ |

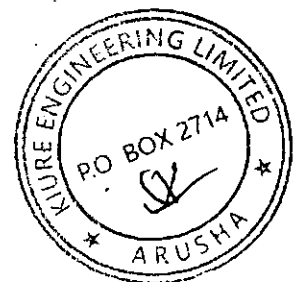


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|-----|------|--------|----------------|
| | STAIRS (Cont'd) | | | | |
| | CONCRETE WORK | | | | |
| | Sawn formwork to: | | | | |
| A | Vertical edges of landing over 75mm but not exceeding 150mm high | 36 | m | 3,000 | 108,000 ✓ |
| B | Vertical sides of stair string 330mm (extreme) high including cutting to profile of treads and risers | 41 | m | 6,000 | 246,000 ✓ |
| | BALUSTRADE (PROVISIONAL) | | | | |
| | METAL WORK | | | | |
| | Mild steel | | | | |
| C | 75mm Diameter round hollow section PVC coated handrail welded to vertical balusters | 33 | m | 38,900 | 1,283,700 ✓ |
| D | 50mm Diameter circular hollow section middle rail welded to vertical balusters | 33 | m | 26,000 | 858,000 ✓ |
| E | 50x50mm Rectangular hollow section balusters 900mm high with top ends welded to handrail and bottom ends embedded to concrete | 40 | nr | 15,000 | 600,000 ✓ |
| F | 75x75mm Rectangular hollow section corner balusters 900mm high with top ends welded to 5mm thick plates (m.s) and bottom ends fixed with anchor bolts to concrete (m.s) | 4 | nr | 20,000 | 80,000 ✓ |
| G | 165x50x5mm Thick angle section plate welded to top of corner baluster | 4 | nr | 10,000 | 40,000 ✓ |
| | To collection | | | | 3,295,700 X |

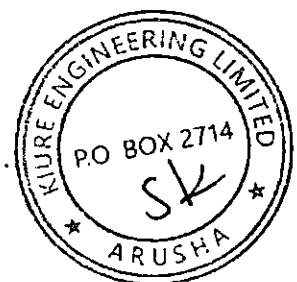
3,215,700



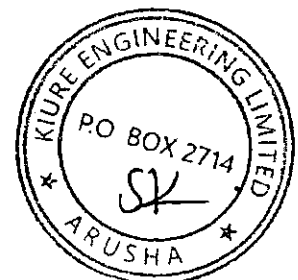
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|--|-----|------|--------|----------------|
| | STAIRS (Cont'd) | | | | |
| | BALUSTRADE (PROVISIONAL) | | | | |
| | METAL WORK | | | | |
| | Mild steel | | | | |
| A | 125x200x5mm Thick plate welded to baluster and bolted to concrete | 4 | nr | 40,000 | 40,000 ✓ |
| B | 275mm long x 20mm Diameter rods welded to baluster | 8 | nr | 5,000 | 40,000 ✓ |
| C | 20mm Diameter anchor bolt, 300mm long complete with nuts and washer | 8 | nr | 10,000 | 80,000 ✓ |
| | Stainless steel | | | | |
| D | 5mm Thick bracket cut to shape welded to baluster | 8 | nr | 10,000 | 80,000 ✓ |
| | Moulded Hardwood | | | | |
| E | 150 x 75mm hardwood handrail bolted to concrete work and complete with all necessary accessories | 17 | m | 80,000 | 1,360,000 ✓ |
| | Sundries | | | | |
| F | Make a hole through 5mm thick mild steel plate for 20mm diameter bolts | 8 | nr | 1,500 | 12,000 ✓ |
| G | Scribe welded joint and grid to smooth finish between baluster and rails | 288 | nr | 2,000 | 576,000 ✓ |
| H | 150mm x 150mm Hole in concrete 100mm deep including grouting with cement mortar (1:3) | 40 | nr | 1,500 | 60,000 ✓ |
| | To collection | | | | 2,248,000 ✓ |



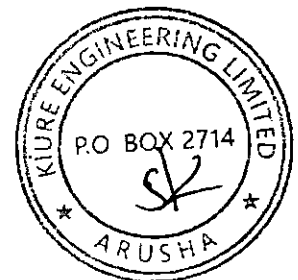
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|---|------|----------------|--------|----------------|
| ELEMENT NR. 4: WALLING AND PARTITIONING | | | | | |
| CONCRETE WORK | | | | | |
| Precast concrete grade '25' including hoisting to position and bedding with cement and sand mortar (1:3) | | | | | |
| A | 150 x 460mm Window cill weathered and throated once, not exceeding 2.00 metres long (in 15nr) | 25 | m | 10,000 | 230,000 ✓ |
| B | Ditto, over 2.00 metres long (in 43nr) | 110 | m | 10,000 | 1,100,000 ✓ |
| Precast concrete grade '30' reinforced with high tensile steel 4nr. 16mm diameter main bars and 10mm stirrups at 150mm centers including hoisting to position and bedding with cement and sand mortar (1:3) | | | | | |
| C | 230 x 150mm Lintel, not exceeding 2.00 metres long (in 4nr) | 5 | m | 60,000 | 300,000 ✓ |
| Blockwork | | | | | |
| Solid concrete blocks to B.S. 2028 type 'A' bedded and jointed in cement mortar (1:4) | | | | | |
| D | 230mm Thick wall | 1053 | m ² | 35,000 | 36,855,000 ✓ |
| E | Ditto; rough raking cutting | 11 | m | 10,000 | 110,000 ✓ |
| F | Extra over for 230mm thick attached pier, 230mm wide projecting 600mm from the face of the wall (Provisional) | 120 | m | 21,000 | 2,520,000 ✓ |
| G | 150mm Thick wall | 1641 | m ² | 30,000 | 49,230,000 ✓ |
| H | 100mm Thick wall | 440 | m ² | 30,000 | 13,200,000 ✓ |
| To collection | | | | | 103,545,000 ✓ |



| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|--|-----|----------------|---------|----------------|
| WALLING AND PARTITIONING (Cont'd) | | | | | |
| Blockwork | | | | | |
| | Solid concrete blocks to B.S. 2028 type 'A' bedded and jointed in cement mortar (1:4) | | | | |
| A | 380mm Thick double wall (150mm thick and 230mm thick) including Lead lining; to Tanzania Radiation and Atomic Commission standards | 47 | m ² | 150,000 | 7,050,000 ✓ |
| | Concrete decorative screen blocks to Architect's design in cement and sand mortar (1:4) flush pointed as work proceeds | | | | |
| B | 230mm Wall | 105 | m ² | 35,000 | 3,675,000 ✓ |
| BALUSTRADE (PROVISIONAL) | | | | | |
| METAL WORK | | | | | |
| Mild Steel | | | | | |
| C | 75mm Diameter round hollow section handrail welded to vertical balusters PVC coated | 94 | m | 38,900 | 3,656,600 ✓ |
| D | 50mm Diameter round hollow section bottom rail welded to vertical balusters primed and painted | 94 | m | 26,000 | 2,444,000 ✓ |
| E | 50mm Diameter round hollow section balusters 900mm high with top end welded to handrail and bottom end embedded to concrete primed and painted | 314 | nr | 26,000 | 8,164,000 ✓ |
| F | Scabe welded joint and grid to smooth finish between baluster and core/intermediate rails | 628 | nr | 2,000 | 1,256,000 ✓ |
| | To collection | | | | 26,245,600 ✓ |

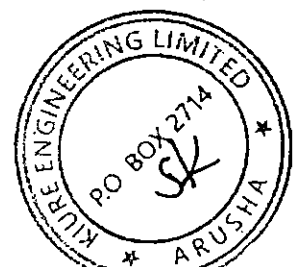


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|---|-----|------|-------|----------------|
| | WALLING AND PARTITIONING (Cont'd) | | | | |
| | BALUSTRADE (PROVISIONAL) | | | | |
| | Sundries | | | | |
| A | 150mm x 150mm Hole in concrete 100mm deep including grouting with cement mortar (1:3) | 314 | nr | 1.000 | 314,000 ✓ |
| | To collection | | | | 314,000 ✓ |
| | COLLECTION | | | | |
| | Page 2/4/1 | | | | 103,545,000 ✓ |
| | Page 2/4/2 | | | | 26,245,600 ✓ |
| | Page 2/4/3 | | | | 314,000 ✓ |
| ELEMENT NR.4: WALLING AND PARTITIONING CARRIED TO SUMMARY OF BILL NR. 2 | | | | | 120,104,600 ✓ |

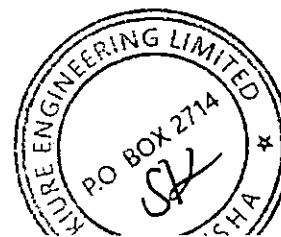


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|---|------|----------------|--------|-------------------------|
| ELEMENT NR. 5: ROOFING | | | | | |
| ROOF COVERINGS | | | | | |
| 24 Gauge resin coated aluminium roofing sheets IT5 as supplied by Aluminium Africa or any other equal and approved manufacturer, fixing to steel Z-purlins with J-bolts as per manufacturer's instruction | | | | | |
| A | Roof coverings sloping not exceeding 45 degrees from horizontal | 2079 | m ² | 42,000 | 87,318,000 ✓ 908,000 |
| B | Raking cutting | 454 | m | 2,000 | 1,708,000 X |
| 24 Gauge resin coated roofing accessories as supplied by Aluminium Africa or any other equal and approved manufacturer, fixing to timber background with clout nails as per manufacturers instructions | | | | | |
| C | Ridge capping, 450mm girth | 123 | m | 15,000 | 1,845,000 ✓ |
| D | Hip capping, 450mm girth | 114 | m | 15,000 | 1,710,000 ✓ |
| E | Valley piece, 600mm girth | 114 | m | 15,000 | 1,710,000 ✓ |
| Kryton water treatment membrane or any other equal and approved type laid on screeded bed (m.s) to manufacturer's specifications | | | | | |
| F | Roof covering to fall, cross falls or sloping not exceeding 45 degrees from the horizontal, laps 150mm at joint | 47 | m ² | 40,000 | 1,880,000 ✓ |
| G | Turn up at abutment 175mm high | 26 | m | 7,000 | 182,000 ✓ |
| H | Working into outlet pipes, gullies and the like | 1 | nr | 20,000 | 20,000 ✓ |
| | To collection | | | | 96,373,000 X |

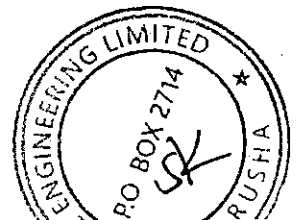
95,573,000



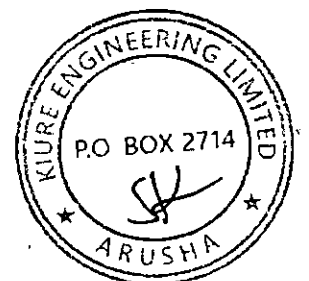
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|--|-----|----------------|--------|----------------|
| ROOFING (Cont'd) | | | | | |
| Cement and sand (1:3) with approved water proofing additive trowelled to a smooth finish | | | | | |
| A | 45mm (Average) screed to falls, crossfalls and slopes not exceeding 15 degrees from horizontal to receive water proofing membrane. | 47 | m ² | 7,000 | 329,000 ✓ |
| B | 50 x 50mm Triangular angle fillet | 26 | m | 5,000 | 130,000 ✓ |
| Wrought "Mpodo" softwood | | | | | |
| C | 225 x 25mm Fascia board | 291 | m | 8,000 | 2,328,000 ✓ |
| D | 225 x 25mm Barge board | 11 | m | 8,000 | 88,000 ✓ |
| ROOF STRUCTURE | | | | | |
| Unframed structural circular hollow section steel L-section members of roof trusses with weights not exceeding 5.00kg per linear metre with flattened welded connections ends including hoisting and placing to position and painted with two coats of high build red oxide primer and two coats of enamel paint (Provisional) | | | | | |
| Mild steel grade 8.8 to BS 449-2:1969 | | | | | |
| The following are in 10nr roof truss spanning over 15.00 but not exceeding 18.00m (Truss type T1) | | | | | |
| E | 70x50x6mm Thick Top chord | 412 | m | 40,000 | 16,480,000 ✓ |
| F | 70x50x6mm Thick Bottom chord | 310 | m | 40,000 | 12,400,000 ✓ |
| G | 70x50x6mm Thick Struts, ties | 482 | m | 40,000 | 19,280,000 ✓ |
| (The end of 10nr roof truss spanning over 15.00 but not exceeding 18.00m) | | | | | |
| To collection | | | | | 51,035,000 ✓ |



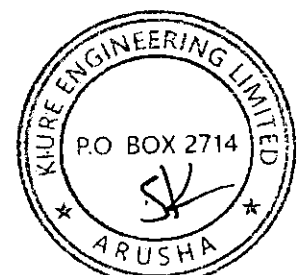
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|--|------|------|--------|----------------|
| | ROOFING (Cont'd) | | | | |
| | ROOF STRUCTURE | | | | |
| | Unframed structural circular hollow section steel L-section members of roof trusses with weights not exceeding 5.00kg per linear metre with flattened welded connections ends including hoisting and placing to position and painted with two coats of high build red oxide primer and two coats of enamel paint (Provisional) | | | | |
| | Mild steel grade 8.8 to BS 449-2:1969 | | | | |
| | The following are in 8nr roof truss spanning over 9.00 but not exceeding 12.00m (Truss type T3) | | | | |
| A | 70x50 x6mm Thick Top chord | 185 | m | 40,000 | 7,400,000 ✓ |
| B | 70x50x6 Thick Bottom chord | 151 | m | 40,000 | 6,040,000 ✓ |
| C | 70x50x6mm Thick Struts, ties (The end of 8nr roof truss spanning over 9.00 but not exceeding 12.00m) | 236 | m | 40,000 | 9,440,000 ✓ |
| | The following are in 35nr roof truss spanning over 6.00 but not exceeding 9.00m (Truss type T2&T4) | | | | |
| D | 70x50 x6mm Thick Top chord | 1257 | m | 40,000 | 50,280,000 ✓ |
| E | 70x50x6 Thick Bottom chord | 816 | m | 40,000 | 32,640,000 ✓ |
| F | 70x50x6mm Thick Struts, ties (The end of 35nr roof truss spanning over 6.00 but not exceeding 9.00m) | 392 | m | 40,000 | 15,680,000 ✓ |
| | To collection | | | | 121,480,000 ✓ |



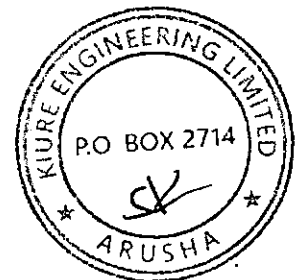
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|--|-----|------|--------|----------------|
| | ROOFING (Cont'd) | | | | |
| | ROOF STRUCTURE | | | | |
| | Unframed structural circular hollow section steel L-section members of roof trusses with weights not exceeding 5.00kg per linear metre with flattened welded connections ends including hoisting and placing to position and painted with two coats of high build red oxide primer and two coats of enamel paint (Provisional) | | | | |
| | Mild steel grade 8.8 to BS 449-2:1969 | | | | |
| | The following are in 6nr roof truss spanning over 3.00 but not exceeding 6.00m (Truss type T5) | | | | |
| A | 70x50 x6mm Thick Top chord | 78 | m | 40,000 | 3,120,000 ✓ |
| B | 70x50x6 Thick Bottom chord | 61 | m | 40,000 | 2,440,000 ✓ |
| C | 70x50x6mm Thick Struts, ties | 64 | m | 40,000 | 2,560,000 ✓ |
| | (The end of 6nr roof truss spanning over 3.00 but not exceeding 6.00m) | | | | |
| | To collection | | | | 8,120,000 ✓ |



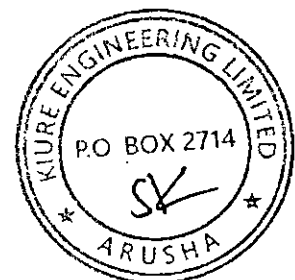
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|--|------|------|--------|----------------|
| ROOFING (Cont'd) | | | | | |
| ROOF STRUCTURE | | | | | |
| Mild steel grade 43 to BS 449-2:1969 including prepare and apply two coats of high build red oxide primer and two coats of enamel paint (Provisional) | | | | | |
| A | 102x50x22x2.0mm "Z" Purlins | 2826 | m | 15,000 | 42,390,000 ✓ |
| B | 10mm Diameter sag bars/rods fixed at mid-span points of purlins | 620 | m | 10,000 | 6,200,000 ✓ |
| C | 130x100x8mm Thick plate, holed four times for 12mm diameter bolts (m.s); welded to top chord and bolted to purlins as per connection of purlins to truss detail in drawing no. T-OPD-ST-17 | 687 | nr | 8,000 | 5,496,000 ✓ |
| D | 340x230x8mm Thick base plate, holed four times for 20mm diameter bolts as per VIEW A-A in drawing no. T-OPD-ST-17 | 97 | nr | 10,000 | 970,000 ✓ |
| E | 340x230x8mm Thick bearing plate; ditto | 97 | nr | 10,000 | 970,000 ✓ |
| F | 340x120x8mm Thick stiffener plate welded to base plate and holed to receive to chord as per VIEW A-A in drawing no. T-OPD-ST-17 | 97 | nr | 10,000 | 970,000 ✓ |
| G | 370x400x8mm Thick plate holed six times for 20mm diameter bolts (m.s) as per VIEW 1-1 in drawing no.T-OPD-ST-17 | 76 | nr | 10,000 | 760,000 ✓ |
| H | 290x350x8mm Thick plate; ditto | 76 | nr | 10,000 | 760,000 ✓ |
| J | 410x351x8mm Thick plate; ditto | 76 | nr | 10,000 | 760,000 ✓ |
| K | 277x330x8mm Thick gusset plate welded to top chords as per VIEW 1-1 in drawing no. T-OPD-ST-17 | 76 | nr | 10,000 | 760,000 ✓ |
| To collection | | | | | 60,036,000 ✓ |



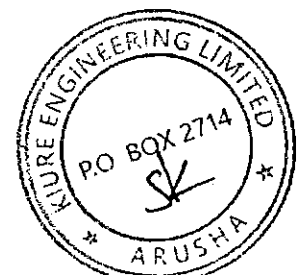
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|---|-----|------|--------|----------------|
| ROOFING (Cont'd) | | | | | |
| Mild steel grade 43 to BS 449-2:1969 including prepare and apply two coats of high build red oxide primer and two coats of enamel paint (Provisional) | | | | | |
| A | 340x310x8mm Thick gusset plate welded to top and bottom chords | 97 | nr | 10,000 | 970,000 ✓ |
| B | 167x115x8mm Thick gusset plate; ditto | 97 | nr | 8,000 | 776,000 ✓ |
| C | 255x205x8mm Thick gusset plate welded to bottom chords and struts | 20 | nr | 10,000 | 200,000 ✓ |
| D | 205x225x8mm Thick gusset plate; ditto | 20 | nr | 10,000 | 200,000 ✓ |
| E | 250x225x8mm Thick gusset plate; ditto | 20 | nr | 10,000 | 200,000 ✓ |
| F | 265x205x8mm Thick gusset plate; ditto | 56 | nr | 10,000 | 560,000 ✓ |
| G | 260x210x8mm Thick gusset plate; ditto | 8 | nr | 10,000 | 80,000 ✓ |
| H | 215x230x8mm Thick gusset plate; ditto | 8 | nr | 10,000 | 80,000 ✓ |
| J | 305x250x8mm Thick gusset plate; ditto | 8 | nr | 10,000 | 80,000 ✓ |
| K | 215x228x8mm Thick gusset plate; ditto | 8 | nr | 10,000 | 80,000 ✓ |
| L | 254x305x8mm Thick gusset plate; ditto | 8 | nr | 10,000 | 80,000 ✓ |
| To collection | | | | | 3,306,000 ✓ |



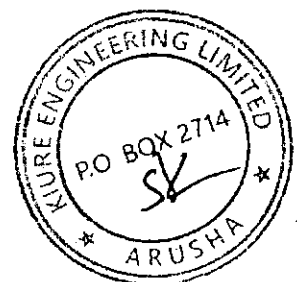
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|--|-----|------|--------|----------------|
| ROOFING (Cont'd) | | | | | |
| Mild steel grade 43 to BS 449-2:1969 including prepare and apply two coats of high build red oxide primer and two coats of enamel paint (Provisional) | | | | | |
| A | 270x210x8mm Thick gusset plate welded to top chords and ties | 76 | nr | 10,000 | 760,000 ✓ |
| B | 360x215x8mm Thick gusset plate; ditto | 20 | nr | 10,000 | 200,000 ✓ |
| C | 350x225x8mm Thick gusset plate; ditto | 20 | nr | 10,000 | 200,000 ✓ |
| D | 265x200x8mm Thick gusset plate; ditto | 20 | nr | 10,000 | 200,000 ✓ |
| E | 183x205x8mm Thick gusset plate; ditto | 21 | nr | 10,000 | 210,000 ✓ |
| F | 414x195x8mm Thick gusset plate; ditto | 21 | nr | 10,000 | 210,000 ✓ |
| G | 300x100x8mm Thick gusset plate; ditto | 15 | nr | 10,000 | 150,000 ✓ |
| H | 285x100x8mm Thick gusset plate; ditto | 8 | nr | 10,000 | 80,000 ✓ |
| J | 300x290x8mm Thick gusset plate; ditto | 8 | nr | 10,000 | 80,000 ✓ |
| K | 325x215x8mm Thick gusset plate welded to ties | 20 | nr | 10,000 | 200,000 ✓ |
| L | 175x185x8mm Thick gusset plate; ditto | 20 | nr | 10,000 | 200,000 ✓ |
| To collection | | | | | 2,490,000 ✓ |



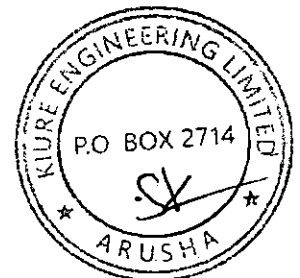
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|---|------|------|---------|----------------|
| ROOFING (Cont'd) | | | | | |
| Mild steel grade 43 to BS 449-2:1969 including prepare and apply two coats of high build red oxide primer and two coats of enamel paint (Provisional) | | | | | |
| A | 400x80x8mm Thick plate joining two top/bottom chords holed four times for 20mm diameter bolts | 76 | nr | 10,000 | 760,000 ✓ |
| Mild steel grade 4.6 | | | | | |
| B | 12mm Diameter black bolt, 100mm long complete with nuts and washer | 2748 | nr | 3,500 | 9,618,000 ✓ |
| C | 20mm Diameter black bolt, 100mm long complete with nuts and washer | 1672 | nr | 3,500 | 5,852,000 ✓ |
| D | 20mm Diameter anchor bolt, 300mm long complete with nuts and washer | 388 | nr | 10,000 | 3,880,000 ✓ |
| Sundries | | | | | |
| E | Make a hole through 8mm thick mild steel plate for 12mm diameter bolts | 5496 | nr | 500 | 2,748,000 ✓ |
| F | Make a hole through 8mm thick mild steel plate for 20mm diameter bolts | 2060 | nr | 500 | 1,030,000 ✓ |
| G | Triangular roof ventilator overall size 2000mm wide base x 470mm high fixed to steel roof structure (m.s) comprising of 150x25mm thick framing, 100x25mm thick treated softwood timber louvres and bat proof mesh (Provisional) | 3 | nr. | 200,000 | 600,000 ✓ |
| H | Ditto; overall size 3000mm wide base x 701mm high | 4 | nr | 200,000 | 800,000 ✓ |
| J | Ditto; overall size 4713mm wide base x 1100mm high | 1 | nr | 400,000 | 400,000 ✓ |
| To collection | | | | | 25,688,000 ✓ |



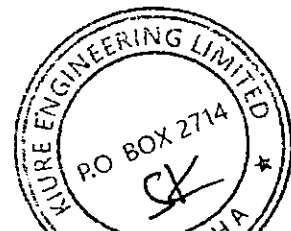
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|---|-----|------|----------------------------|--------------------------------|
| ROOFING (Cont'd) | | | | | |
| ROOF DRAINAGE | | | | | |
| Unplasticised PVC rainwater pipes to BS 4514 | | | | | |
| A | 100mm Pipe fixed with and including standard holder bats plugged to blockwork or concrete work walls at 1.5metres general spacing | 53 | m | 10,000 | 530,000 ✓ |
| B | Extra for swan neck | 8 | nr | 40,000 5,000 | 320,000 40,000 ✓ |
| C | Extra for shoe | 8 | nr | 10,000 5,000 | 80,000 40,000 ✓ |
| Unplasticised PVC rainwater gutter as supplied by "Nabaki Africa" or any other equal and approved complete with fittings and approved complete with fittings and fixing brackets as per supplier's instruction | | | | | |
| D | 150mm Half round rainwater gutter | 291 | m | 25,000 | 7,275,000 ✓ |
| E | Extra for nozzle outlet | 9 | nr | 35,000 | 315,000 ✓ |
| F | Extra for stopped end | 2 | nr | 10,000 | 20,000 ✓ |
| "Fulbora" cast iron rain water outlet | | | | | |
| G | 200mm-Vertical spigot outlet with dome grating cast into concrete slab with caulked joint to P.V.C pipe | 1 | nr | 50,000 | 50,000 ✓ |
| To collection | | | | | 8,590,000 ✓ |



| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|-----|------|------|----------------|
| | ROOFING (Cont'd) | | | | |
| | COLLECTION | | | | |
| | Page 2/5/1 | | | | 95,573,000 |
| | Page 2/5/2 | | | | 96,373,000 X |
| | Page 2/5/3 | | | | 51,035,000 ✓ |
| | Page 2/5/4 | | | | 121,484,000 ✓ |
| | Page 2/5/5 | | | | 8,130,000 ✓ |
| | Page 2/5/6 | | | | 60,036,000 ✓ |
| | Page 2/5/7 | | | | 3,306,000 ✓ |
| | Page 2/5/8 | | | | 2,490,000 ✓ |
| | Page 2/5/9 | | | | 25,688,000 ✓ |
| | | | | | 8,590,000 ✓ |
| | | | | | 376,318,000 |
| | ELEMENT NR. 5: ROOFING TOTAL CARRIED TO SUMMARY OF BILL NR. 2 | | | | 377,118,000 X |

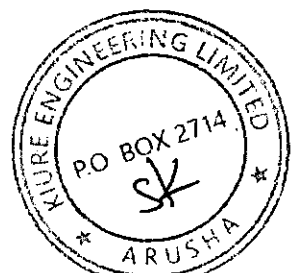


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|-----------------------------|--|-----|------|---------|----------------|
| ELEMENT NR. 6: DOORS | | | | | |
| WROT HARDWOOD DOORS | | | | | |
| A | 45mm Thick solid panelled door size 870 x 2045mm high comprising of 95mm wide stiles and top rail, 150mm wide middle rail and 100mm wide bottom rail forming two panels filled in with 20x13mm tongued and grooved 35mm thick vertical boarding housed to stiles and rails (D1) | 4 | nr | 535,000 | 2,140,000 |
| B | Ditto; size 870 x 2155mm high (D2) | 4 | nr | 535,000 | 2,140,000 |
| C | Ditto; size 570 x 2045mm high (D3) | 8 | nr | 535,000 | 4,280,000 |
| D | Extra over, ditto, for opening size 150x 350mm high left open for glazing (measured separately) (D3) | 8 | nr | 250,000 | 2,000,000 |
| E | Ditto; size 570 x 2045mm high (D3A) | 26 | nr | 535,000 | 13,910,000 |
| F | Ditto; size 570 x 2045mm high (D3B) | 8 | nr | 535,000 | 4,280,000 |
| G | 45mm Thick solid panelled door size 810 x 2130mm high comprising of 140mm wide top rail, 150mm wide bottom rail, 95mm wide stiles and middle rails, forming three panels filled in with 20x13mm tongued and grooved 35mm thick vertical boarding housed to stiles and rails (D4) | 66 | nr | 535,000 | 35,310,000 |
| H | Ditto; size 910 x 2130mm high (D5) | 22 | nr | 535,000 | 11,770,000 |
| J | Ditto; size 910 x 2070mm high (D5A) | 2 | nr | 535,000 | 1,070,000 |
| K | Ditto; size 710 x 2070mm high (D6) | 26 | nr | 535,000 | 13,910,000 |
| L | 25mm Thick solid panelled door size 400 x 2085mm high comprising of 125mm wide stiles, bottom and top rails, forming a pane size 340x2025mm high filled in with hardwood louveres housed to stiles(m.s) (Provisional, Dust doors) | 4 | nr | 535,000 | 2,140,000 |
| To collection | | | | | 92,950,000 |

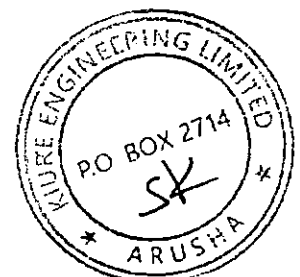


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|-----|----------------|--------|----------------|
| | DOORS (Cont'd) | | | | |
| | Wrot Hardwood | | | | |
| A | 100 x 45mm Frame with two labours | 157 | m | 40,000 | 6,280,000 |
| B | 100 x 45mm Frame with three labours | 728 | m | 40,000 | 29,120,000 |
| C | 100 x 45mm Transome with two labours | 114 | m | 40,000 | 4,560,000 |
| D | 100 x 45mm Mullion with two labours | 15 | m | 40,000 | 600,000 |
| E | 40 x 15mm Architrave with one labour | 976 | m | 5,000 | 4,880,000 |
| F | 22 x 12mm Glazing beads with one labour | 345 | m | 3,000 | 1,035,000 |
| G | 12 x 12mm Glazing beads, ditto | 8 | m | 3,000 | 24,000 |
| H | 70 x 19mm Slamming strip with three labours | 51 | m | 10,000 | 510,000 |
| J | 70 x 19mm louvres blade with moulded edges, set and at 45 degrees from horizontal and fixed in prepared grooves in door/siles (m.s) (in 108 nr) | 78 | m | 10,000 | 780,000 |
| | Sawn hardwood | | | | |
| K | 60 x 15mm Parking piece/Grounding, plugged to block/concrete work | 877 | m | - | - |
| | GLAZING | | | | |
| | 6mm Thick OQ clear sheet glass fixed with and including 22 x 12mm hardwood beads to timber background (m.s) | | | | |
| L | Panes over 0.10 but not exceeding 0.50 square metres | 52 | m ² | 20,000 | 1,040,000 |
| | To collection | | | | 48,829,000 |

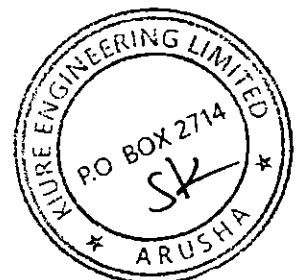
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| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|-----|----------------|---------|----------------|
| | DOORS (Cont'd) | | | | |
| | GLAZING | | | | |
| | 6mm Thick OQ clear sheet glass fixed with and including 12 x 12mm hardwood beads to timber background (m.s) | | | | |
| A | Panes not exceeding 0.10 square metres, (in 8 nr) (Obtaining window) | 1 | m ² | 20,000 | 20,000 |
| | IRONMONGERY | | | | |
| | Supply and fix the following UNION ironmongery as manufactured by Josiah Parkes & Sons Limited (England) or other and approved make to hard wood or the like with matching screws | | | | |
| B | 100mm Heavy duty Brass butt hinges | 234 | pair | 30,000 | 7,020,000 |
| C | 100mm Spring double action hinges (Provisional) | 21 | pair | 600,000 | 12,600,000 |
| D | Mortice lockset, three lever complete with furniture and handle | 117 | nr | 100,000 | 11,700,000 |
| E | Ditto; two lever with toilet indicator bolts. | 28 | nr | 100,000 | 2,800,000 |
| F | 150mm Brass barrel bolts | 50 | nr | 15,000 | 750,000 |
| G | Floor rubber door stopper | 166 | nr | 12,500 | 2,075,000 |
| | METAL WORK | | | | |
| H | 842x150x1.5mm Thick aluminium kicker plate fixed with aluminium screws to timber doors | 16 | nr | 200,000 | 3,200,000 |
| | To collection | | | | 40,165,000 |

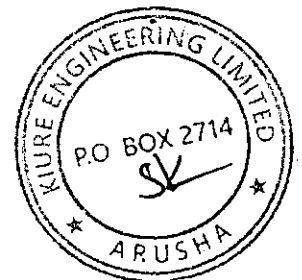


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|-----|------|---------|----------------|
| | DOORS (Cont'd) | | | | |
| | METAL WORK | | | | |
| A | 542x150x1.5mm Thick aluminium kicker plate; ditto | 84 | nr | 200,000 | 16,800,000 |
| | Sundries | | | | |
| B | Make slanting grooves in 125x25mm thick hardwood door stiles for 70mm wide x 19mm thick hardwood louvre | 216 | nr | 5,000 | 1,080,000 |
| | To collection | | | | 17,880,000 |
| | COLLECTION | | | | |
| | Page 2/6/1 | | | | 92,950,000 |
| | Page 2/6/2 | | | | 48,829,000 |
| | Page 2/6/3 | | | | 40,165,000 |
| | Page 2/6/4 | | | | 17,880,000 |
| | ELEMENT NR. 6: DOORS TOTAL CARRIED TO SUMMARY OF BILL NR. 2 | | | | 199,824,000 ✓ |

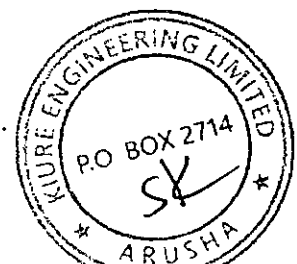


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|--|-----|------|---------|-------------------|
| ELEMENT NR. 5: WINDOWS | | | | | |
| METALWORK | | | | | |
| Anodized aluminium casement window frames, 1.5mm thick sections complete with 6mm thick wired glass and mosquito gauze framing and all necessary ironmongeries | | | | | |
| A | 2400 x 600mm High window comprising of four side sliding glass panels (W1-Top panes) | 43 | nr | 244,800 | 10,526,400 |
| B | 2400 x 900mm High window; ditto (W1-Bottom panes) | 43 | nr | 367,200 | 15,789,600 |
| C | 1500 x 600mm High window comprising of two side sliding glass panels (W2-Top panes) | 9 | nr | 153,000 | 1,377,000 |
| D | 1500 x 900mm High window comprising of two side sliding glass panels (W2-Bottom panes) | 9 | nr | 153,000 | 1,377,000 |
| E | 1200 x 1650mm High window comprising of two fixed and two side sliding glass panels (W3A) | 6 | nr | 336,600 | 2,019,600 |
| F | 1000 x 900mm High window comprising of one pivoting glass panel (W3) | 26 | nr | 153,000 | 3,978,000 |
| G | 900 x 900mm High window; ditto (W4) | 6 | nr | 137,700 | 826,200 |
| H | 900 x 900mm High window; ditto (Provisional, at reception/registration and security guard) | 7 | nr | 137,700 | 963,900 |
| J | 1500 x 1650mm High window comprising of two fixed glass panels (Provisional, at General Exam room, VTC and Nurse call station) | 7 | nr | 420,750 | 2,945,250 |
| ELEMENT NR. 7: WINDOWS TOTAL CARRIED TO SUMMARY OF BILL NR. 2 | | | | | 39,802,950 |

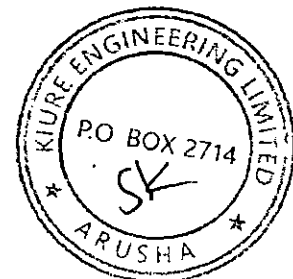
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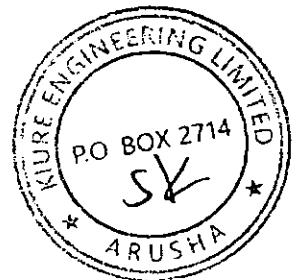
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|------|----------------|--------|--------------------|
| | ELEMENT NR. 8: FINISHINGS | | | | |
| | INTERNAL FINISHINGS | | | | |
| | INSITU FINISHINGS | | | | |
| | Plastering in two coats including 12mm thick lime plaster coat to a smooth finish | | | | |
| A | 15mm To block work | 2488 | m ² | 6,500 | 16,172,000 |
| B | 15mm To sloping soffits of stairs | 32 | m ² | 6,500 | 208,000 |
| C | 15mm To soffits of landing | 15 | m ² | 6,500 | 97,500 |
| | TILES, SLAB AND BLOCK FINISHINGS | | | | |
| | Non slip Porcelain floor tiles Ex-Spanish or any other equal and approved type fixed to screeded bed (M.S) and pointing joints with grout | | | | |
| D | 500 x 500 x 9mm Thick to floors and pavings | 2847 | m ² | 50,000 | 142,350,000 |
| E | 500 x 500 x 9mm Thick to landings | 15 | m ² | 50,000 | 750,000 |
| F | Treads; 300mm wide with non slipaborandum slip | 88 | m | 15,000 | 1,320,000 |
| G | Risers; 150mm high | 95 | m | 7,500 | 712,500 |
| H | 500 x 150mm, High tiles skirting | 1397 | m | 7,500 | 10,477,500 |
| | Glazed ceramic wall tiles Ex-Spanish or any other equal and approved type with cushion edges fixed to backings with adhesive and pointing joints with grout | | | | |
| J | 400 x 200 x 6mm Thick tiling to walls | 1929 | m ² | 35,000 | 67,515,000 |
| | To Collection | | | | 239,602,500 |



| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|--|-------|----------------|--------|--|
| FINISHINGS (Cont'd) | | | | | |
| INTERNAL FINISHINGS | | | | | |
| Glazed ceramic wall tiles Ex-Spanish or any other equal and approved type with cushion edges fixed to backings with adhesive and pointing joints with grout | | | | | |
| A | Cut tiles and fit around small pipes and the like | 134 | nr | — | Anted ready include LTC 02/11/11 PP |
| B | Tiles with one rounded edge (Provisional) | 25 | m | — | |
| PLAIN SHEET FINISHINGS | | | | | |
| Suspended ceiling | | | | | |
| C | 12mm Gypsum board ceiling fixed to timber branderings (m.s) complete with sealing tape at joints | 2886 | m ² | 15,000 | 43,290,000 |
| D | Extra over for access hatch size 600 x 600 mm | 4 | nr | 20,000 | 80,000 |
| E | 82 x 82mm Flush gypsum cornice | 2231 | m | 5,000 | 11,155,000 |
| F | 50 x 50mm Treated softwood brandering and the like | 12402 | m | 4,000 | 49,608,000 |
| BEDS AND BACKINGS | | | | | |
| Cement and Sand (1:4) wood floated surface finish | | | | | |
| G | 12mm Thick backing to receive wall tiles | 1929 | m ² | 1,000 | 1,929,000 |
| H | 31mm Thick bed to receive floor tiles | 2862 | m ² | 6,500 | 18,603,000 |
| J | 12mm Thick backing to receive 150mm high skirting tiles | 1492 | m | 150 | 223,800 |
| To Collection | | | | | 124,888,800 |

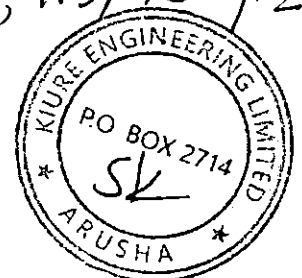


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|--|------|----------------|--------|----------------|
| FINISHINGS (Cont'd) | | | | | |
| EXTERNAL WORK | | | | | |
| Rendering in two coats including 12mm thick lime plaster coat to a smooth finish | | | | | |
| A | 15mm To walls | 1469 | m ² | 6,500 | 9,548,500 |
| B | 15mm To isolated columns | 10 | m ² | 20,000 | 200,000 |
| C | 15mm To sides and soffits of beam | 43 | m ² | 20,000 | 860,000 |
| TILES SLAB AND BLOCK FINISHINGS | | | | | |
| Non slip Porcelain floor tiles Ex-Spanish or any other equal and aproved type fixed to screeded bed (M.S) and pointing joints with grout | | | | | |
| D | 500 x 500 x 6mm Thick to floors and pavings | 258 | m ² | 50,000 | 12,900,000 |
| E | Ditto; to treads 300mm wide with non slip strip | 11 | m | 15,000 | 165,000 |
| F | Ditto; to risers 150mm high | 21 | m | 7,500 | 157,500 |
| G | To skirting 150mm high | 52 | m | 7,500 | 390,000 |
| PLAIN SHEET FINISHINGS | | | | | |
| Suspended ceiling | | | | | |
| H | 12mm Gypsum board ceiling fixed to timber branderings (m.s) complete with sealing tape at joints | 258 | m ² | 15,000 | 3,870,000 |
| J | Extra over for access hatch size 600 x 600 mm | 2 | nr | 20,000 | 40,000 |
| K | 82 x 82mm Doric cornice as per lafarge gypsum board type | 52 | m | 5,000 | 260,000 |
| To Collection | | | | | 28,391,000 |

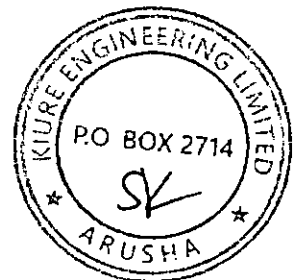


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|------|----------------|-------|----------------|
| | FINISHINGS (Cont'd) | | | | |
| | EXTERNAL WORK | | | | |
| | PLAIN SHEET FINISHINGS | | | | |
| | Suspended ceiling | | | | |
| A | 50 x 50mm Treated softwood bandering and the like | 1118 | m | 4,000 | 4,472,000 |
| | BEDS AND BACKINGS | | | | |
| | Cement and Sand (1:4) wood floated surface finish | | | | |
| B | 31mm Thick bed to receive floor tiles | 258 | m ² | 6,500 | 1,677,000 |
| C | 12mm Thick backing to receive 300mm wide tread tiles | 11 | m | 6,500 | 71,500 |
| D | Ditto; to receive 150mm high riser tiles | 21 | m | 150 | 3,150 |
| E | Ditto; to receive 150mm high skirting tiles | 52 | m | 150 | 7,800 |
| | To Collection. | | | | 6,231,450 |
| | COLLECTION | | | | |
| | Page 2/8/1 | | | | 239,602,500 |
| | Page 2/8/2 | | | | 124,888,800 |
| | Page 2/8/3 | | | | 28,391,000 |
| | Page 2/8/3 | | | | 6,231,450 |
| | ELEMENT NR. 8: FINISHINGS TOTAL CARRIED TO SUMMARY OF BILL NR. 2 | | | | 399,115,750 |

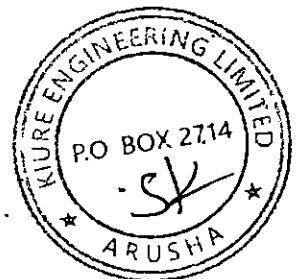
399,113,750 / 2



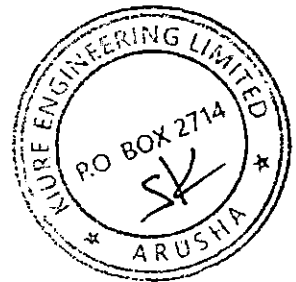
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|---|------|----------------|-------|----------------|
| ELEMENT NR: 9: PAINTING AND DECORATIONS | | | | | |
| INTERNAL WORK | | | | | |
| Prepare and apply one coat of acrylic primer, stucco and three full coats of acrylic paint by sadolin or similar to architect approval on: | | | | | |
| A | Plastered walls and the like | 2488 | m ² | 6,500 | 16,172,000 |
| Prepare and apply one coat primer and two full coats of matt emulsion paint to architect approval on: | | | | | |
| B | Plastered sloping soffits of stairs | 32 | m ² | 6,500 | 208,000 |
| C | Plastered soffits of landing | 15 | m ² | 6,500 | 97,500 |
| D | Gypsum ceilings and the like | 2886 | m ² | 6,500 | 18,759,000 |
| Prepare and apply three coats of polyurethane varnish on wood surfaces | | | | | |
| E | Frames and the like over 100mm but not exceeding 200mm girth | 783 | m | 2,000 | 1,566,000 |
| F | Frames and the like over 200mm but not exceeding 300mm girth. | 151 | m | 2,000 | 302,000 |
| G | General surfaces | 642 | m ² | 5,000 | 3,210,000 |
| Prepare, prime and apply one undercoat and two finishing coats of gloss paint on metal surfaces | | | | | |
| H | Metal surfaces, over 100 but not exceeding 200mm girth | 481 | m | 2,000 | 962,000 |
| To Collection | | | | | 41,276,500 |



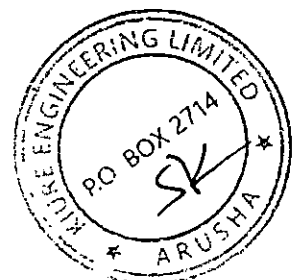
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|---|------|----------------|-------|-------------------|
| PAINTING AND DECORATIONS (Cont'd) | | | | | |
| INTERNAL WORK | | | | | |
| Prepare, prime and apply one undercoat and two finishing coats of gloss paint on metal surfaces | | | | | |
| A | Metal surfaces, over 200 but not exceeding 300mm girth | 4 | m | 2,000 | 8,000 |
| B | General surfaces | 1 | m ² | 5,000 | 5,000 |
| EXTERNAL WORK | | | | | |
| Prepare and apply one thinned coat and three full coats of weather guard paint to architect approval on: | | | | | |
| C | Rendered walls and the like | 1469 | m ² | 6,500 | 9,548,500 |
| D | Rendered isolated columns | 10 | m ² | 6,500 | 65,000 |
| Prepare and apply one thinned coat and two full coats of emulsion paint on: | | | | | |
| E | Gypsum ceiling and the like | 258 | m ² | 6,500 | 1,677,000 |
| F | Rendered sides and soffits of beam | 43 | m ² | 6,500 | 279,500 |
| Prepare and apply one thinned coat and two full coats of gloss paint on wood surface: | | | | | |
| G | General wood surface over 200 but not exceeding 300mm girth | 302 | m | 2,000 | 604,000 |
| To Collection | | | | | 12,187,000 |



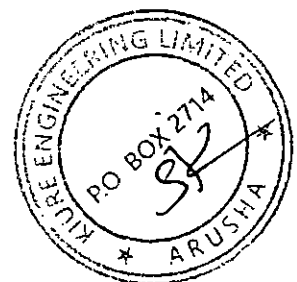
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|-----------------------------------|-----|------|------|----------------|
| | PAINTING AND DECORATIONS (Cont'd) | | | | |
| | COLLECTION | | | | |
| | Page 2/9/1 | | | | 41,276,500 |
| | Page 2/9/2 | | | | 12,187,000 |
| ELEMENT NR. 9: PAINTING AND DECORATIONS TOTAL CARRIED TO SUMMARY OF BILL NR. 2 | | | | | 53,463,500 ✓ |



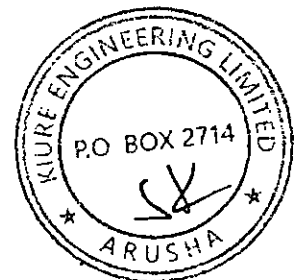
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|---|-----|------|-----------|----------------|
| ELEMENT NR. 10: PLUMBING AND ENGINEERING INSTALLATIONS | | | | | |
| SANITARY APPLIANCES | | | | | |
| Supply and fix the following sanitary appliance as Manufactured by Armitage Shanks or any other equal and approved Manufacturer including all connections and fixings to floor or on wall where necessary. | | | | | |
| A | 745 x 970 x 455mm "Magnia" white vitreous china low level WC suite (S3510-149701A) comprising of 9 litres capacity cistern (S3900-17730AA) for side supply internal FleeFlo plastic syphon fitting and 12mm Microvalve HP\LP side supply ballvalve, internal overflow, plastic flush bend, simple inlet connector and supports, chrome plated lever (S4055-63940B1), Gemini seat and cover (S9102-75508FR), domix screws and S-trap | 19 | nr | 450,000 | 8,550,000 |
| B | Twyford white vitreous china DOC.M Value Pack disabled WC pan Cat No. PK8154WH comprising of WC bowl with horizontal outlet, hand rinse non overflow, no chainstay, DOC.M support rails (4No), DOC.M hinged support rail and toilet holder, wall hangers (pair), grid waste, DOC.M Value cistern and fittings, DOC.M seat ring, stainless steel hinge | 4 | nr | 4,000,000 | 16,000,000 |
| C | Vitreous china Twyford sahara squatting WC with integral treads, 9 litres capacity cistern with cover, BSS high pressure ball valve, plastic syphone fittings, side supply and overflow set, plastic flush pipe and mild steel brackets trap outlets | 20 | nr | 300,000 | 6,000,000 |
| D | White vitreous china TEMPO 50 E1630 carina countertop washbasin, single central taphole, S7300 Millenia; 0.5" monoblock basin mixer with non return valves and 1.25" pop up waste, 1.25" plastic bottle trap with 75mm seal. | 83 | nr | 400,000 | 33,200,000 |
| E | Toilet flexible hand sprays | 39 | nr | 30,000 | 1,170,000 |
| F | Toilet roll holder S5095 (75490BH) screwed to tiled wall chrome plated finish with thief proof holder | 39 | nr | 50,000 | 1,950,000 |
| To collection | | | | | 66,870,000 |



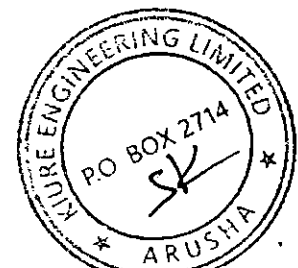
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|---|-----|------|-----------|----------------|
| PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd) | | | | | |
| SANITARY APPLIANCES | | | | | |
| Supply and fix the following sanitary appliance as Manufactured by Armitage Shaaks or any other equal and approved Manufacturer including all connections and fixings to floor or on wall where necessary. | | | | | |
| A | Clean out (floor trap) including rodding eyes, necessary fittings and accessories, | 19 | nr | 15,000 | 285,000 |
| B | Hand drier 0302004 guardian push button operation plastic cassette unit, snap in mechanism high output, size 275 x 290 x 185mm. | 15 | nr | 400,000 | 6,000,000 |
| C | Range of three "Sanura" white vitreous china wall urinal CAT. No S 6100 (261129E), top inlet spreader (S6285 - 74344A1), concealed steel hangers (S8850 - 90568NO), 40mm plastic domed waste (S8915 - 70238Q4), 40mm plastic bottle trap with 75mm seal, (S6120-260600) division with hanger and screw and 9 litres automatic flushing cistern | 4 | nr | 400,000 | 1,600,000 |
| D | Mirror, special quality plate glass size 800 x 750 x 6mm thick with alkali resistant coating one side, fixing with domex screws to background requiring plugging | 83 | nr | 150,000 | 12,450,000 |
| E | Sink, stainless steel combined single bowl, single drainer CAT No. DT 180C, complete with 12mm chromium plated easy clean capstan head pillar tap, chain and plastic plug, 38mm chromium plated waste fitting and fixed with safety brackets | 2 | nr | 520,000 | 1,040,000 |
| F | W612 Dilution Recovery Trap with W162 Line coupler and w3992 Reducing coupler. | 3 | nr | 3,000,000 | 9,000,000 |
| G | 420x350mmx200 DSM sinks of 316 grade stainless steel or equivalent for laboratory use, supplied with Standard waste and overflow kit and plug assembly | 19 | nr | 2,500,000 | 47,500,000 |
| To collection | | | | | 77,875,000 |



| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|-----|------|--------|----------------|
| | PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd) | | | | |
| | FOUL WATER SYSTEM | | | | |
| | Soil and Vent pipe | | | | |
| | uPVC pipe work installed, jointed and tested complete, to BS 8301, BS 4541, BS 5255, BS 4660 and BS 5481 as applicable including supports, pipe fittings, bends, Accessories, hangers, fixing at high level, insulation of the Exposed Pipes over the ceiling, Concrete encasement, excavation and earthwork, backfilling, cleanouts and other related builder's work, roding eyes, all as specified And shown on drawings | | | | |
| A | 150mm Diameter pipe | 54 | m | 40,000 | 2,160,000 |
| B | 100mm Diameter pipe in ducts and concrete bed | 117 | m | 15,000 | 1,755,000 |
| C | Extra over for Y-junction | 28 | nr | 10,000 | 280,000 |
| D | 75mm Diameter pipe | 30 | m | 10,000 | 300,000 |
| | Waste and overflow pipes | | | | |
| | uPVC pipe work installed, jointed and tested complete, to BS 8301, BS 4541, BS 5255, BS 4660 and BS 5481 as applicable including supports, pipe fittings, bends, Accessories, hangers, fixing at high level, insulation of the Exposed Pipes over the ceiling, Concrete encasement, excavation and earthwork, backfilling, cleanouts and other related builder's work, roding eyes, all as specified And shown on drawings | | | | |
| E | 75mm Diameter pipe | 45 | m | 10,000 | 450,000 |
| F | 50mm Diameter pipe | 95 | m | 10,000 | 950,000 |
| G | Extra over for Y-junction | 24 | nr | 10,000 | 240,000 |
| | To collection | | | | 6,135,000,00 |

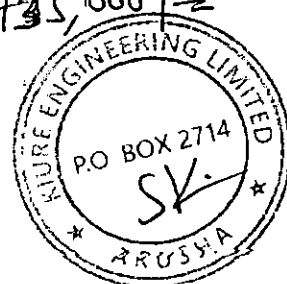


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|-----|------|--------|----------------|
| | <p>PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd)</p> <p>FOUL WATER SYSTEM</p> <p>Waste and overflow pipes</p> <p>uPVC pipe work installed, jointed and tested complete, to BS 8301, BS 4541, BS 5255, BS 4660 and BS 5481 as applicable including supports, pipe fittings, bends, Accessories, hangers, fixing at high level, insulation of the Exposed Pipes over the ceiling, Concrete encasement, excavation and earthwork, backfilling, cleanouts and other related builder's work, roding eyes, all as specified And shown on drawings</p> | | | | |
| A | Extra over 50mm diameter pipe for Bend | 35 | nr | 5,000 | 175,000 |
| B | Extra over 50mm diameter pipe for Reducer 50/40 | 13 | nr | 5,000 | 65,000 |
| C | 40mm Diameter pipe embedded in concrete wall | 28 | m | 5,000 | 140,000 |
| D | Extra over for Y-Junction | 20 | nr | 10,000 | 200,000 |
| E | 32mm Diameter Pipe embedded in concrete wall | 14 | m | 10,000 | 140,000 |
| F | Extra over for Y-Junction | 8 | nr | 10,000 | 80,000 |
| | <p>COLD AND HOT WATER INSTALLATION</p> <p>Pressure pipe work, installed, jointed and tested complete as per BS standards with pipe fittings, bends, accessories, supports, hangers using clamps with rubber inlay, threaded rods, galvanized steel channels, sleeves, pipe marking, expansion joints, including excavations, earthworks, backfill, concrete encasement, and other related builder's work, all as specified and shown on drawings,</p> | | | | |
| G | 32mm Diameter pipe | 22 | m | 10,000 | 220,000 |
| | To collection | | | | 1,020,000 |

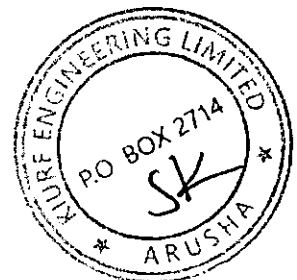


| Item | Descriptions | Qty | Unit | Rate | Amount in Tsbs |
|---|--|-----|------|-------------------|-------------------|
| PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd) | | | | | |
| COLD WATER INSTALLATION | | | | | |
| Pressure pipe work, installed, jointed and tested complete as per BS standards with pipe fittings, bends, accessories, supports, hangers using clamps with rubber inlay, threaded rods, galvanized steel channels, sleeves, pipe marking, expansion joints, including excavations, earthworks, backfill, concrete encasement, and other related builder's work, all as specified and shown on drawings, | | | | | |
| A | Extra over 32mm diameter pipe for Bend 90 degrees | 5 | nr | 5,000 | 25,000 125,000 |
| B | Extra over ditto for Coupling | 4 | nr | 8,000 | 32,000 |
| C | Extra over ditto for Strainer | 2 | nr | 10,000 | 20,000 |
| D | 25mm Diameter pipe | 111 | m | 8,000 | 888,000 |
| E | Extra over for Reducer tee 25/20 | 14 | nr | 5,000 | 70,000 |
| F | Extra over for Reducer tee 25/15 | 4 | nr | 5,000 | 20,000 |
| G | Extra over for Unequal Tee | 12 | nr | 5,000 | 60,000 |
| H | 20mm Diameter pipe plugged and concealed on concrete walls | 88 | m | 5,000 | 440,000 |
| J | Extra over for Equal tee | 11 | nr | 5,000 | 55,000 |
| K | Extra over for Elbow | 12 | nr | 5,000 | 60,000 |
| L | Extra over for Reducer 20/15 | 10 | nr | 5,000 | 50,000 |
| M | Extra over for Nipple | 10 | nr | 3,500 | 35,000 |
| To collection | | | | | 1,835,000 |

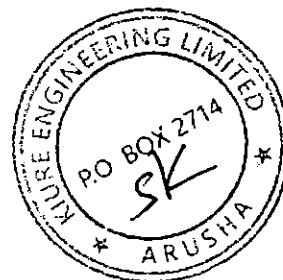
1,735,000



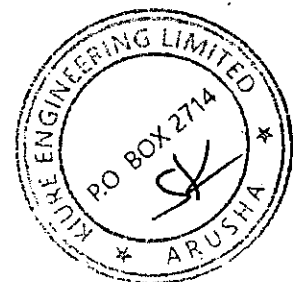
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|-----|------|-----------|----------------|
| | PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd) | | | | |
| | COLD WATER INSTALLATION | | | | |
| | Pressure pipe work, installed, jointed and tested complete as per BS standards with pipe fittings, bends, accessories, supports, hangers using clamps with rubber inlay, threaded rods, galvanized steel channels, sleeves, pipe marking, expansion joints, including excavations, earthworks, backfill, concrete encasement, and other related builder's work, all as specified and shown on drawings, | | | | |
| A | 15mm Diameter pipe plugged and concealed on concrete walls | 82 | m | 5,000 | 410,000 |
| B | Extra over for Equal tee | 10 | nr | 5,000 | 50,000 |
| C | Extra over for Elbow | 10 | nr | 5,000 | 50,000 |
| D | 15mm Heavy duty flexible pipe tail; 300mm long and connection to fitting and supply | 158 | nr | 10,000 | 1,580,000 |
| | Equipments | | | | |
| E | Supply and install 5,000 litres capacity elevated water Tanks including pipe work, fittings, brackets, tapping, supports, level meter and over flow pipe work as shown on drawing and as specified | 2 | nr | 9,000,000 | 18,000,000 |
| F | Booster pumps set consisting one duty & one Standby including gate valves, PRV, check valve, NRV, isolators, level sensors, strainers, flexible connectors, control panel, all accessories, fittings, testing and commissioning jointly with the supplier, etc., pump duty: Discharge : 2 m ³ /hr Total manometric head : 15m. Speed : 2900 RPM, motor power: 0.75 KW 1 X380 V & 50 HZ. from approved manufacturer | 1 | nr | 3,000,000 | 3,000,000 |
| | To collection | | | | 23,090,000 |



| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|---|-----|------|--------|----------------|
| PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd) | | | | | |
| COLD WATER INSTALLATION | | | | | |
| Ancillaries | | | | | |
| Draw-off taps, stop valve to BS 1010 | | | | | |
| A | 32mm Diameter brass stop valve with screwed connection to HDPE pipe | 2 | nr | 30,000 | 60,000 |
| B | 32mm Diameter brass stop cock with screwed connection to HDPE pipe | 2 | nr | 30,000 | 60,000 |
| C | 25mm Diameter brass stop valve with screwed connection to HDPE pipe | 10 | nr. | 30,000 | 300,000 |
| D | 20mm Diameter brass stop valve with screwed connection to HDPE pipe | 42 | nr | 30,000 | 1,260,000 |
| E | 15mm Diameter brass cock with screwed connection to HDPE pipe | 109 | nr | 20,000 | 2,180,000 |
| RAINWATER DRAINAGE | | | | | |
| uPVC pipe work for rain water installed, jointed and tested complete, to BS 8301, BS 4541, BS 5255, BS 4660 and BS 5481 as applicable including supports, pipe fittings, bends, Accessories, hangers, fixing at high level, insulation of the Exposed Pipes over the ceiling, Concrete encasement, Earthwork, backfilling, cleanouts, roding eyes, all as specified And shown on drawings | | | | | |
| F | 100mm Diameter down Pipe | 37 | m | 15,000 | 555,000 |
| G | Extra over for Bend | 6 | nr | 5,000 | 30,000 |
| H | 75mm Daimeter uPVC pipe | 4 | m | 10,000 | 40,000 |
| J | Upvc/Bronze Fullbore | 6 | nr | 10,000 | 60,000 |
| To collection | | | | | 4,545,000 |



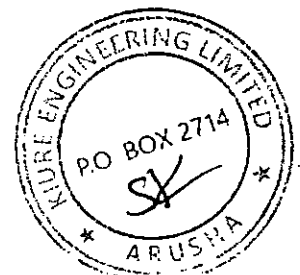
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|-----|------|---------|----------------|
| | PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd) | | | | |
| | FIRE FIGHTING INSTALLATIONS | | | | |
| | Mechanical Engineering Installation | | | | |
| | Supply and install the following items complete with associated fittings, supports and builders works as per specifications and drawings. | | | | |
| | Portable fire extinguishers to BS5306:3 or BS EN 3 of Chubb Brand or Approved Equivalent. | | | | |
| A | ABC Dry Powder, 6Kgs | 10 | nr | 200,000 | 2,000,000 |
| | Fire Hose Reel System | | | | |
| | Supply and install the following items complete with associated fittings, supports and builder's work | | | | |
| | Pipework & Fittings to BS1387 | | | | |
| B | 50mm Diameter, galvanised Carbon Steel Pipe | 60 | m | 40,000 | 2,400,000 |
| C | 25mm Diameter, galvanised Carbon Steel Pipe | 22 | m | 25,000 | 550,000 |
| | Valves to BS Standards | | | | |
| D | 50mm Diameter, Gate Valve | 4 | nr | 300,000 | 1,200,000 |
| E | 50mm Diameter, check Valve | 1 | nr | 300,000 | 300,000 |
| F | 50mm Diameter, Automatic Air Release Valve | 4 | nr | 350,000 | 1,400,000 |
| G | 25mm Diameter, Gate Valve | 4 | nr | 50,000 | 200,000 |
| | To collection | | | | 8,050,000 |



| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|--|-----|------|------------|-------------------|
| PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd) | | | | | |
| FIRE FIGHTING INSTALLATIONS | | | | | |
| Mechanical Engineering Installation | | | | | |
| Fire Hose Reel to BS 3169 | | | | | |
| A | Automatic hose reel, swinging type, Angus brand or other approved equivalent, with 20mm diameter rubber hose, 30m long provided with manual stop. | 4 | nr | 1,200,000 | 4,800,000 |
| Fire Hose reel pumps | | | | | |
| B | Supply and install a set of fire hose reel pump, duty and stand by each of 1.2l/s flow capacity at 4bar and 0.65kW with all accessories for fixing. | 1 | nr | 15,000,000 | 15,000,000 |
| Fire Signage | | | | | |
| C | Supply and fix Photoluminescent Fire Signage for Portable Fire Extinguishers and Fire Hose Reels as specified and indicated on the drawings. | 31 | nr | 120,000 | 3,720,000 |
| Operation and maintenance manuals | | | | | |
| D | Allow sum for preparation of operation and maintenance manuals (3 sets) and manufacturers recommended maintenance program/advice for entire Fire Fighting Installations. | | Item | | |
| SUNDRIES | | | | | |
| Testing | | | | | |
| E | Allow for the testing the whole of the plumbing and engineering installations to Engineer's satisfaction. | | Item | | 500,000 |
| As Built Drawings | | | | | |
| F | Allow sum for as built record (3 sets of A1) drawings for the entire plumbing and engineering installation. | | Item | | 500,000 |
| To collection | | | | | 24,520,000 |

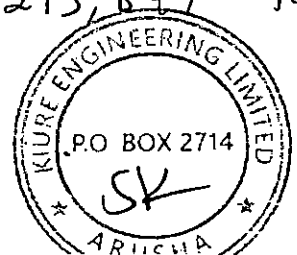
Refer to drawing

FX

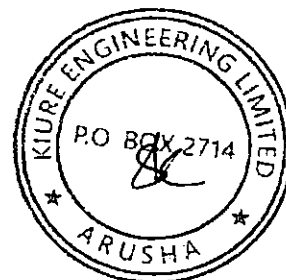


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|--|-----|------|------|--------------------------|
| | PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd) | | | | |
| | COLLECTION | | | | |
| | Page 2/10/1 | | | | 66,870,000 ✓ |
| | Page 2/10/2 | | | | 77,875,000 ✓ |
| | Page 2/10/3 | | | | 6,135,000 ✓ |
| | Page 2/10/4 | | | | 1,020,000 ✓ |
| | Page 2/10/5 | | | | 1,735,000 1,835,000 X |
| | Page 2/10/6 | | | | 23,090,000 ✓ |
| | Page 2/10/7 | | | | 4,545,000 ✓ |
| | Page 2/10/8 | | | | 8,050,000 ✓ |
| | Page 2/10/9 | | | | 24,520,000 ✓ |
| | ELEMENT NR. 10: PLUMBING AND ENGINEERING INSTALLATIONS TOTAL CARRIED TO SUMMARY OF BILL NR. 2 | | | | 213,940,000 X |

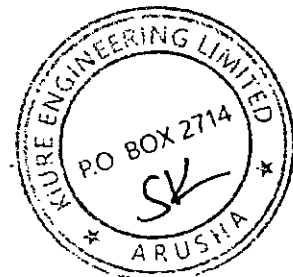
213,840,000 ✓



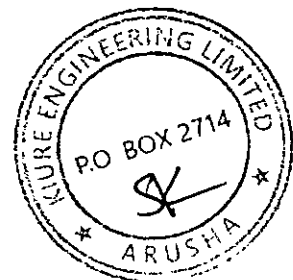
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|---|-----|------|-------------|----------------|
| ELEMENT NR: 11 ELECTRICAL INSTALLATIONS | | | | | |
| Standby Generator | | | | | |
| | Supply and install standby diesel generator set with 75dB at 1m acoustic housing including fixing to base, all supports and fixings and all necessary connections to equipment | | | | |
| A | 315kVA, 3phase, 400V, 4wire, 50Hz, packaged diesel generating set suitable for indoor use complete with radio and television suppressors, daily service fuel tank and associated piping, exhaust pipe and primary silencer, control panel, mains failure relay, starting battery with charger, all internal wiring, interconnections, earthing and labels including delivery to site, testing and commissioning as Atlas Copco or approved equivalent (Provision) | 1 | nr | 110,000,000 | 110,000,000 ✓ |
| Bulk Fuel Resrve | | | | | |
| | Supply and install 4500L pre-fabricated bulk fuel reserve tank complete with all piping, valves, pumps, all necessary accessodes and connections to the generator set | | | | |
| B | | 1 | nr | | 25,000,000 ✓ |
| Transformer | | | | | |
| | 315kVA, 11000/400V, Dyn 11, 50Hz, Oil filled transformer in free breathing ventilated steel tank, complete with lifting lugs, mounting skids, provision for wheels, off load tap changers, winding temperature indicators, fluid temperature indicators etc including fixing to background, testing and commissioning (Provision) | | | | |
| C | | 1 | nr | 40,000,000 | 40,000,000 ✓ |
| To Collection | | | | | 175,000,000 ✓ |



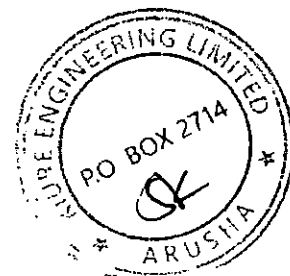
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|--|-----|------|------------|----------------|
| | ELECTRICAL INSTALLATION (Cont'd) | | | | |
| | LV Switchgear and Distribution Boards | | | | |
| | Main LV Switchgear | | | | |
| | Supply and install fully type tested Blockset LV Switchboards, Form 3B, IP 3X in conformity to IEC 61439-2 as "EATON MEM" or approved equal | | | | |
| A | Main LV Panel with 400A incomer for TANESCO power supply, Isc(max)= 50kA, c/w 6 outgoing MCCBs, metering for current, voltage, kW, kVA, kWh, power factor correction, surge arresters and shunt trip relays to shut down power in the event of fire including delivery to site, earthing, testing and commissioning as Eaton Mem or approved equal | 1 | nr | 25,000,000 | 25,000,000 ✓ |
| | Sub LV Panel | | | | |
| B | Sub main LV Panel with busbars rated at In= 250A, Isc(max)= 50kA, outgoing MCCBs, c/w 12Nos outgoing MCBs, current and voltage meters | 1 | nr | 5,000,000 | 5,000,000 ✓ |
| C | Supply and install 400A Automatic Transfer switch with electrical and mechanical interlock c/w manual operation facility | 1 | nr | 5,000,000 | 5,000,000 ✓ |
| | Distribution Boards | | | | |
| | Supply and install 63A and 100A MCB Distribution Board fixed to background including connections to equipment and provision of plates, discs, and labels for identification as "Eaton MEM" or approved equal | | | | |
| D | 6 Way TPN Distribution Board with 100A/30mA RCCB incomer | 3 | nr | 1,300,000 | 3,900,000 ✓ |
| E | 6 Way TPN Distribution Board with 63A/30mA RCCB incomer | 6 | nr | 1,300,000 | 7,800,000 ✓ |
| | To Collection | | | | 46,700,000 ✓ |



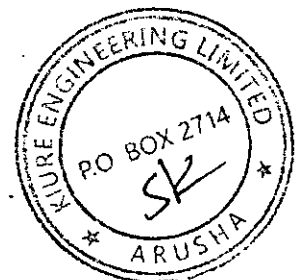
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|--|-----|------|---------|----------------------|
| ELECTRICAL INSTALLATION (Cont'd) | | | | | |
| Surge Protection Devices | | | | | |
| A | Supply and install enclosed surge protection kit for TPN boards fixed to background including supports and connections to distribution boards as Eaton Mem | | Item | | 1,200,000 ✓ |
| HV and LV Cables | | | | | |
| 11kV XLPE insulated, steel wire armoured, PVC sheathed, cu cables laid in cable trench including supports, terminations, manholes, PVC pipes and all necessary accessories | | | | | |
| Three core armoured | | | | | |
| B | 185 sq.mm (Provisional) | 100 | m | 305,000 | 30,500,000 ✓ |
| Supply, install and connect to work cables, 600/1000V, XLPE insulated, PVC sheathed copper stranded conductors to BS 5467, clipped direct to backgrounds including cleats | | | | | |
| Single core armoured | | | | | |
| C | 120 sq mm (Provisional) | 280 | m | 200,000 | 56,000,000 ✓ |
| D | 70 sq mm (Provisional) | 70 | m | 110,000 | 7,700,000 ✓ |
| E | 16 sq mm | 480 | m | 7,500 | 3,600,000 ✓ |
| F | 6 sq mm | 15 | m | 5,000 | 75,000 ✓ |
| Four core armoured | | | | | |
| G | 95sq.mm (Provisional) | 135 | m | 155,000 | 20,925,000 ✓ |
| H | 35sq.mm (Provisional) | 105 | m | 55,000 | 5,775,000 ✓ |
| J | 25sq.mm | 480 | m | 45,000 | 21,600,000 ✓ |
| To Collection | | | | | 147,375,000 ✓ |



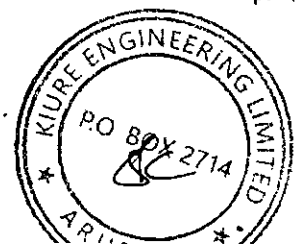
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|---|-----|------|---------|---------------------|
| ELECTRICAL INSTALLATION (Cont'd) | | | | | |
| Light Fittings | | | | | |
| Supply and install the following luminaires fixed to background c/w tubes/lamps including fixings and accessories as delta light/Thoru or approved equal | | | | | |
| A | 1x36W,1200mm decorative fluorescent fitting | 89 | nr | 130,000 | 11,570,000 ✓ |
| B | Decorative straight batten holder c/w 1x11W as type C | 49 | nr | 80,000 | 3,920,000 ✓ |
| C | Decorative straight batten holder c/w 1x18W as type E | 59 | nr | 80,000 | 4,720,000 ✓ |
| D | Emergency EXIT light fitting, 1x8W | 18 | nr | 300,000 | 5,400,000 ✓ |
| E | Decorative straight batten holder c/w 1x18W as type D | 63 | nr | 80,000 | 5,040,000 ✓ |
| F | IP65, bulkhead fitting c/w 1x 70W for external use | 29 | nr | 100,000 | 2,900,000 ✓ |
| Wiring Accessories | | | | | |
| Supply and install all flush accessories complete with mounting boxes in walls or trunking as Hager or approved equal. | | | | | |
| G | 13A Switched socket outlet -twin | 194 | nr | 20,000 | 3,880,000 ✓ |
| H | Ditto but weather proof | 4 | nr | 50,000 | 200,000 ✓ |
| J | 13A Switched socket outlet -single | 23 | nr | 15,000 | 345,000 ✓ |
| K | 10A 1 way 1 gang switch | 112 | nr | 10,000 | 1,120,000 ✓ |
| L | 10A 1 way 2 gang switch | 6 | nr | 10,000 | 60,000 ✓ |
| M | 10A 2 way 2 gang switch | 31 | nr | 10,000 | 310,000 ✓ |
| N | 10A 2 way 1 gang switch | 6 | nr | 10,000 | 60,000 ✓ |
| P | 20A DP switch for AE | 39 | nr | 20,000 | 780,000 ✓ |
| To Collection | | | | | 40,305,000 ✓ |



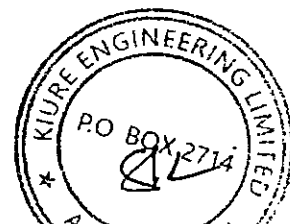
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|--|-----|------|--------|----------------|
| | ELECTRICAL INSTALLATION (Cont'd) | | | | |
| | Wiring Accessories | | | | |
| | Supply and install all flush accessories complete with mounting boxes in walls or trunking as Hager or approved equal. | | | | |
| A | 20A DP switch for theatre and xray rooms | 4 | nr | 20,000 | 80,000 ✓ |
| B | 20A DP switch for water pump | 2 | nr | 20,000 | 40,000 ✓ |
| C | TV coaxial socket outlet | 6 | nr | 10,000 | 60,000 ✓ |
| D | 25A contactor | 1 | nr | 10,000 | 10,000 ✓ |
| E | Photocell complete with kit | 1 | nr | 50,000 | 50,000 ✓ |
| | Electrical Wiring | | | | |
| | Supply and install the following (all cable shall be as per East African cables or approved equal) | | | | |
| | Power points wired using 2.5 sq.mm single core cable drawn in 20mm diameter PVC-U conduit concealed under plaster or in ceiling void including wiring ;conduit and conduit accessories | | | | |
| F | | 194 | nr | 70,000 | 13,580,000 ✓ |
| | Lighting points wired using 1.5 sq.mm single core cable drawn in 20mm diameter PVC conduit concealed under plaster or in slab including wiring ;conduit and conduit accessories | | | | |
| G | | 307 | nr | 70,000 | 21,490,000 ✓ |
| | AC indoor points wired using 2.5 sq.mm single core cable drawn in 20mm diameter PVC conduit including wiring ;conduit and conduit accessories | | | | |
| H | | 39 | nr | 70,000 | 2,730,000 ✓ |
| | Theatre and xray points wired using 2.5 sq.mm single core cable drawn in 20mm diameter PVC conduit including wiring ;conduit and conduit accessories | | | | |
| J | | 4 | nr | 70,000 | 280,000 ✓ |
| | To Collection | | | | 38,320,000 ✓ |



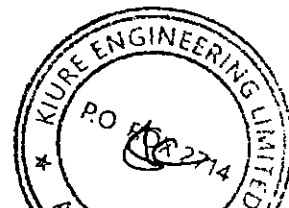
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|--|-----|------|------------|----------------|
| | ELECTRICAL INSTALLATION (Cont'd) | | | | |
| | PVC Duct | | | | |
| | Supply and install the following HDPE pipes including accessories buried underground for incoming Lv cable and Data/Voice cables | | | | |
| A | 150mm Diameter for incoming Lv cables | 120 | m | 40,000 | 4,800,000 ✓ |
| | Voice and Data | | | | |
| | 20mm diameter conduiting for VD points concealed throughout inclusive of all backboxes to facilitate installation of VD accessories by others | 99 | nr | 20,000 | 1,980,000 ✓ |
| | Fire Alarm Installations | | | | |
| | 20mm diameter conduiting for fire alarm points concealed throughout inclusive of all backboxes to facilitate installation of devices by others | 92 | nr | 20,000 | 1,840,000 ✓ |
| | Earthing and Lightning Protection | | | | |
| D | Allow a provisional sum for completion of the structural lightning protection system | | Item | 18,000,000 | 18,000,000 ✓ |
| E | Allow for Earthing of the entire electrical installation as specified | | Item | 5,000,000 | 5,000,000 ✓ |
| | Testing | | | | |
| F | Allow for testing and commissioning of the entire installations to the requirement of TANESCO | | Item | 1,000,000 | 1,000,000 ✓ |
| | AS Built Drawings | | | | |
| G | Allow for provision of 3sets of as built drawings and operation and manuals on completion of the works | | Item | 500,000 | 500,000 ✓ |
| | To Collection | | | | 33,120,000 ✓ |



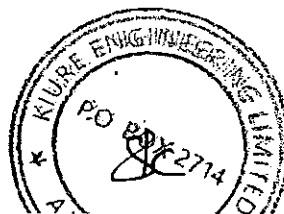
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|---|-----|------|------------|----------------|
| ELECTRICAL INSTALLATION (Cont'd) | | | | | |
| Builders Work | | | | | |
| A | Allow for all necessary cutting out and making good after the concealed, buried underground electrical system installations | | Item | 20,000,000 | 20,000,000 ✓ |
| Fire Alarm Installations | | | | | |
| B | 20mm diameter conduiting for fire alarm and data points concealed throughout inclusive of all backboxes to facilitate installation of devices by others | 191 | m | 20,000 | 3,820,000 ✓ |
| Testing | | | | | |
| C | Allow for testing and commissioning of the whole of electrical systems as per respective standards | | Item | | |
| To Collection | | | | | 23,820,000 ✓ |
| COLLECTION | | | | | |
| | Page 2/11/1 | | | | 175,000,000 ✓ |
| | Page 2/11/2 | | | | 46,700,000 ✓ |
| | Page 2/11/3 | | | | 147,375,000 ✓ |
| | Page 2/11/4 | | | | 40,305,000 ✓ |
| | Page 2/11/5 | | | | 38,320,000 ✓ |
| | Page 2/11/6 | | | | 33,120,000 ✓ |
| | Page 2/11/7 | | | | 23,820,000 ✓ |
| ELEMENT NR. 11 - ELECTRICAL INSTALLATIONS TOTAL CARRIED TO SUMMARY OF BILL NR. 2 | | | | | 504,640,000 ✓ |



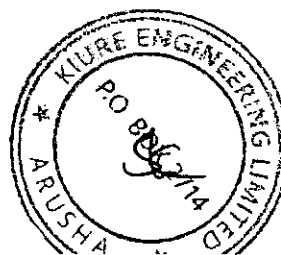
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs | |
|------|--|-----|------|-----------|----------------|---|
| | ELEMENT NR. 12: AIR CONDITIONING AND VENTILATION | | | | | |
| | Single Split Air Conditioners | | | | | |
| | Hi- Wall Units | | | | | |
| | Supply, install, test and commission a set of Single Split type Air Conditioner of Carrier Brand, LG, Samsung or Approved Equivalent. Each set shall be complete with wired remote controller, outdoor aircooled condensing unit, indoor hi-wall fan coil unit high performance washable air filter, electrostatic filter, AVS and activated charcoal filter and as per Specifications and as Stipulated in the Drawings. Supports and Fittings are inclusive. | | | | | |
| A | Cooling Capacity: 3.5kW | 43 | nr | 1,700,000 | 73,100,000 | ✓ |
| | Refrigerant Piping | | | | | |
| | Supply and Install refrigerant copper pipings for both liquid and gas according to BS 2871, Equipments Manufacturer Requirements and as per drawings complete with associated fittings, insulation, sleeves, supports and PVC trunking where applicable | | | | | |
| B | 6.35 Diameter copper pipe | 172 | m | 10,000 | 1,720,000 | ✓ |
| C | 15.88 Diameter copper pipe | 172 | m | 18,000 | 3,096,000 | ✓ |
| D | Supply and install uPVC drainage pipes, minimum 25mm inside diameter as per specifications and drawings, complete with insulations, supports, fittings and PVC trunking as recommended by Equipments' manufacturer and specifications. | 130 | m | 5,000 | 650,000 | ✓ |
| | To Collection | | | | 78,566,000 | ✓ |



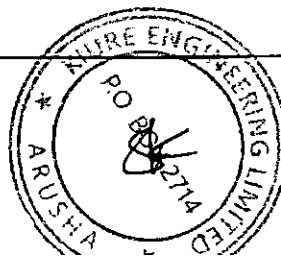
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|---|-----|------|-----------|---------------------|
| AIR CONDITIONING AND VENTILATION (Cont'd) | | | | | |
| Exhaust Fans | | | | | |
| A | Supply, install, test and commission window/wall mounted, axial flow exhaust fans, Xpelair Brand or Approved Equivalent for toilets and kitchen as per specifications and drawing, complete with associated controls, fittings and supports | | | | |
| B | Air extract fan, capacity: 30L/s, at 60Pa | 12 | nr | 1,200,000 | 14,400,000 ✓ |
| C | Air extract fan, capacity: 50L/s, at 60Pa | 8 | nr | 1,300,000 | 10,400,000 ✓ |
| D | Duct inline Air extract fan, capacity: 100L/s, at 60Pa | 8 | nr | 800,000 | 6,400,000 ✓ |
| E | 250mmx 250mm Extract grille on the wall with back-flow shutter | 8 | nr | 150,000 | 1,200,000 ✓ |
| Flexible ducts of aluminium spiral and following dimensions | | | | | |
| F | 100mm Diameter | 19 | m | 40,000 | 760,000 ✓ |
| G | 200mm Diameter | 19 | m | 60,000 | 1,140,000 ✓ |
| H | Allow sum for the supply and installation of all control wiring cables between indoor units and interconnections to the outdoor unit as instructed by the manufacturer | | Item | 2,000,000 | 2,000,000 ✓ |
| J | As Built Drawings Allow sum for as built record (3 sets of A1) drawings for entire Air Conditioning and Ventillation Installations. | | Item | 500,000 | 500,000 ✓ |
| K | Test and commissioning Allow sum for testing and commissioning of the entire Air Conditioning and Ventillation installations and set the system to work to the local authority requirements and engineers satisfaction. | | Item | 500,000 | 500,000 ✓ |
| To Collection | | | | | 37,200,000 ✓ |



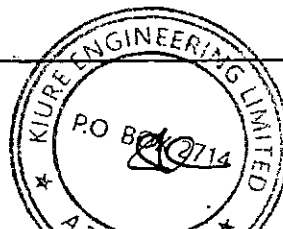
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|--|-----|------|------|----------------|
| | AIR CONDITIONING AND VENTILATION (Cont'd) | | | | |
| | COLLECTION | | | | |
| | Page 2/12/1 | | | | 78,966,000 ✓ |
| | Page 2/12/2 | | | | 37,300,000 ✓ |
| ELEMENT NR. 12: AIR CONDITIONING AND VENTILATION TOTAL CARRIED TO SUMMARY OF BILL NR. 2 | | | | | 115,866,000 ✓ |



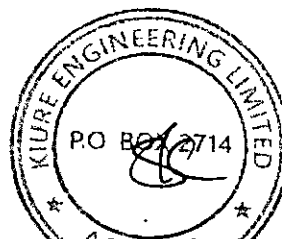
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|--|-----|----------------|--------|----------------|
| ELEMENT NR. 13: FITTINGS AND FIXTURES (PROVISIONAL) | | | | | |
| The following are in 4nr counters overall size 6050mm girth x 750mm high x 1150mm high at the nurse call stations | | | | | |
| Reinforced insitu concrete grade 20 in | | | | | |
| A | 75mm Thick work top | 20 | m ² | 20,000 | 400,000 ✓ |
| Steel fabric reinforcement to BS 4483:1997 | | | | | |
| B | Square mesh fabric ref. A193 weighing 2.22Kg per square metres | 20 | m ² | 14,000 | 280,000 ✓ |
| Sawn formwork to | | | | | |
| C | Soffits of worktop | 20 | m ² | 20,000 | 400,000 ✓ |
| D | Edges of worktop not exceeding 75mm high | 88 | m | 15,00 | 132,000 ✓ |
| Walling | | | | | |
| Solid concrete blocks with the crushing strength not less than 7MPa. bedded and jointed in cement mortar (1:3) | | | | | |
| E | 100mm Wall | 24 | m ² | 30,000 | 720,000 ✓ |
| Wrot hardwood Mkongo | | | | | |
| F | 50 x 50mm Framing, plugged to block/concrete work | 24 | m | 15,000 | 360,000 ✓ |
| To collection | | | | | 2,292,000 ✓ |



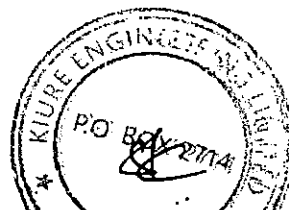
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|--|-----|----------------|---------|-------------------------|
| FITTINGS AND FIXTURES (Cont'd) | | | | | |
| Wrot hardwood Mkongo | | | | | |
| A | 20mm Thick shelves with 25x10mm lipping at the edges | 12 | m ² | 205,000 | 2,460,000 ✓ |
| B | 25x100mm High skirting fixed to RHS frames | 24 | m | 22,000 | 528,000 ✓ |
| Boarded or panelled linings, casings and partitions; Melamine boards, butt joints with splayed corner joints | | | | | |
| C | 20mm Thick shelving on RHS frames (m.s) | 12 | m ² | 40,000 | 480,000 ✓ |
| Kitchen top | | | | | |
| 25mm Thick precast marble unit laid on top of concrete worktop by special adhesive complete with appox acidic resistance materials on top. | | | | | |
| D | | 20 | m ² | 650,000 | 13,000,000 ✓ |
| E | Ditto; 25x75mm high fascia board | 68 | m | 65,000 | 4,420,000 ✓ |
| Metal work | | | | | |
| 25x25mm Mild steel rectangular hollow sections (R.H.S) framing welded together, grinding and polishing welded connections to a smooth finish including prepare and apply primer | | | | | |
| F | | 68 | m | 20,000 | 1,360,000 ✓ |
| Plastering in two coats including skimming with gypsum powder mixed with emulsion paint to a smooth finish | | | | | |
| G | 15mm To block work walls | 48 | m ² | 6,500 | 312,000 ✓ |
| To collection | | | | | 22,360,000 X 22,560,000 |



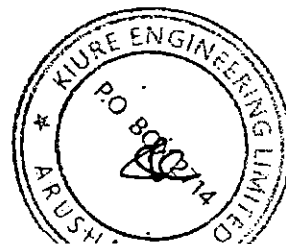
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---------------------------------------|---|-----|----------------|--------|-----------------------|
| FITTINGS AND FIXTURES (Cont'd) | | | | | |
| | Porcelain floor tiles Ex-Spanish or any other equal and approved type fixed to screeded bed (M.S) and pointing joints with grout | | | | |
| A | 150mm High skirting tiles | 24 | m | 7,500 | 180,000 ✓ |
| | Selected natural Tanga stones cut to brick size, complete with cement and sand mortar (1:3) bedding, jointing and backing to blockwork wall and building fair and pointing all joints as work proceeds. | | | | |
| B | 20mm Thick decorative stone facing wall | 20 | m ² | 70,000 | 1,400,000 ✓ |
| | Beds and backing | | | | |
| | Cement and Sand (1:4) with wood floated surface finish | | | | |
| C | 12mm Thick backing to receive skirting tiles | 24 | m ² | 6,500 | 156,000 X 156,000 |
| | Prepare and apply one thinned coat and two full coats of acrylic paint on: | | | | |
| D | Plastered walls | 48 | m ² | 6,500 | 156,000 X 312,000 |
| | Prepare and apply three coats of polyurethane varnish on wood surfaces | | | | |
| E | Frames and the like not exceeding 100mm girth | 24 | m | 1,500 | 36,000 ✓ |
| F | General surfaces | 24 | m ² | 5,000 | 120,000 ✓ |
| | To collection | | | | 2,048,000 X 2,204,000 |

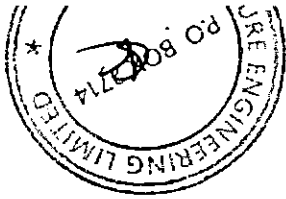


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|---|-----|----------------|--------|----------------|
| FITTINGS AND FIXTURES (Cont'd) | | | | | |
| Prepare, prime and apply one undercoat and two finishing coats of gloss paint on metal surfaces | | | | | |
| A | Frames and the like not exceeding 100mm girth Stainless steel | 68 | m | 1,500 | 102,000 ✓ |
| B | 150x100mm Cable tray (End of 1nr counter at the nurse call stations) | 24 | m | 20,000 | 480,000 ✓ |
| The following are in 8nr concrete worktops with underside cabinets; 2nr overall size 5275mm girth x 600mm wide x 1100mm high, 1nr overall size 3899mm girth x 600mm wide x 1100mm high, 1nr overall size 4200mm girth x 600mm wide x 1100mm high, 1nr overall size 2500mm girth x 600mm wide x 1100mm high, 1nr overall size 2275mm girth x 600mm wide x 1100mm high, and 2nr overall size 9957mm long x 600mm wide x 1100mm high in the laboratories | | | | | |
| Plain insitu concrete grade 20 in | | | | | |
| C | 100mm Thick plinth Reinforced insitu concrete grade 20 in | 22 | m ² | 28,000 | 616,000 ✓ |
| D | 75mm Thick work top Steel fabric reinforcement to BS 4483:1997 | 26 | m ² | 20,000 | 520,000 ✓ |
| E | Square mesh fabric ref. A252 weighing 2.22Kg per square metres | 26 | m ² | 14,000 | 364,000 ✓ |
| To collection | | | | | 2,082,000 ✓ |



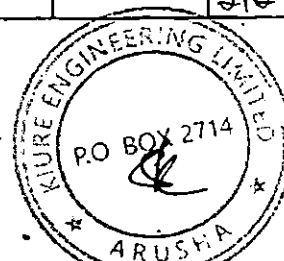
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|---|-----|----------------|---------|----------------|
| FITTINGS AND FIXTURES (Cont'd) | | | | | |
| Sawn formwork to | | | | | |
| A | Soffits of worktop | 26 | m ² | 20,000 | 520,000 ✓ |
| B | Edges of plinth over 75 but not exceeding 150mm high | 38 | m | 3,000 | 114,000 ✓ |
| C | Edges of worktop not exceeding 75mm high | 33 | m | 1,500 | 49,500 ✓ |
| Wrot hardwood Mikongo polished | | | | | |
| D | 45 x 45mm Framing with one labour, plugged to block/concrete work | 376 | m | 15,000 | 5,640,000 ✓ |
| E | 25mm Thick door size 480 x 910mm high not exceeding 1square metre, comprising 25 x 40mm hardwood stiles, top and bottom rails with one pannel filled with 15mm thick board and grooved jointed to edges of stiles and rails | 94 | nr | 500,000 | 47,000,000 ✓ |
| Supply and fix the following ironmongery as per UNION brand or any other equal and approved to hardwood or the like with matching screws | | | | | |
| F | 75mm brass butt hinges | 94 | pairs | 30,000 | 2,820,000 ✓ |
| G | Cupboard lock set | 47 | nr | 10,000 | 470,000 ✓ |
| H | Brass pull knobs | 94 | nr | 7,500 | 705,000 ✓ |
| J | 75mm long barrel bolt | 94 | nr | 10,000 | 940,000 ✓ |
| To collection | | | | | 59,258,500 ✓ |



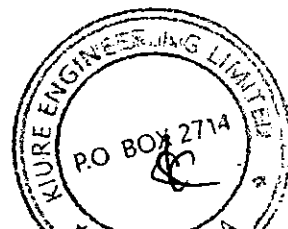


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|-----|----------------|---------|----------------|
| A | 100mm Wall Solid concrete blocks with the crushing strength not less than 7MPa, bedded and jointed in cement mortar (1:3) | 15 | m ² | 30,000 | 450,000 ✓ |
| B | Kitchen top 25mm Thick precast marble unit laid on top of concrete worktop by special adhesive complete with approx acidic resistance materials on top. | 26 | m ² | 650,000 | 16,900,000 ✓ |
| C | 15mm To block work walls Plastering in two coats including skimming with white cement steel trowelled to a smooth finish | 30 | m ² | 6,500 | 195,000 ✓ |
| D | Plastered walls Prepare and apply one thinned coat and two full coats of acrylic paint on: Prepare and apply three coats of polyurethane varnish on wood surfaces | 30 | m ² | 6,500 | 195,000 ✓ |
| B | General surfaces (End of concrete worktops with underside cabinets in the laboratories) | 73 | m ² | 5,000 | 365,000 ✓ |
| | To collection | | | | 18,105,000 ✓ |

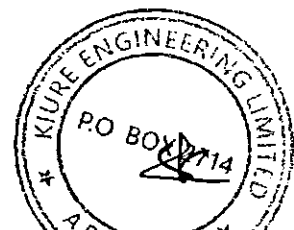
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|-----|----------------|---------|----------------|
| | FITTINGS AND FIXTURES (Cont'd) | | | | |
| | The following are in 4nr worktops at the NHIF counters | | | | |
| | Reinforced insitu concrete grade 20 in | | | | |
| A | 75mm Thick work top | 3 | m ² | 20,000 | 60,000 ✓ |
| | Steel fabric reinforcement to BS 4483:1997 | | | | |
| B | Square mesh fabric ref. A252 weighing 2.22Kg per square metres | 3 | m ² | 14,000 | 42,000 ✓ |
| | Sawn formwork to | | | | |
| C | Soffits of worktop | 3 | m ² | 20,000 | 60,000 ✓ |
| D | Edges of worktop not exceeding 75mm high | 10 | m | 1,500 | 15,000 ✓ |
| | Wrot hardwood Mkonga polished | | | | |
| E | 45 x 45mm Framing with one labour, plugged to block/concrete work | 10 | m | 15,000 | 150,000 ✓ |
| | Kitchen top | | | | |
| F | 25mm Thick precast marble unit laid on top of concrete worktop by special adhesive complete with approx acidic resistance materials on top. | 3 | m ² | 650,000 | 1,950,000 ✓ |
| | Prepare and apply three coats of polyurethane varnish on wood surfaces | | | | |
| G | Frame and the like not exceeding 100mm girth | 10 | m | 2,000 | 20,000 ✓ |
| | (End of worktops at the NHIF counters) | | | | |
| | To collection | | | | 2,297,000 ✓ |



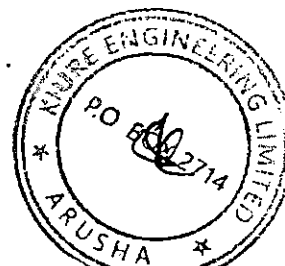
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|---|-----|----------------|--------|----------------|
| FITTINGS AND FIXTURES (Cont'd) | | | | | |
| The following are in 34nr concrete worktops with underside cabinets to accommodate handwash basins, 8nr overall size 2000mm long x 600mm wide x 900mm high, 16nr overall size 1000mm long x 600mm wide x 900mm high, 6nr overall size 760mm long x 600mm wide x 900mm high, and 4nr overall size 900mm long x 600mm wide x 900mm high | | | | | |
| Plain insitu concrete grade 20 in | | | | | |
| A | 100mm Thick plinth | 20 | m ² | 28,000 | 560,000 ✓ |
| Reinforced insitu concrete grade 20 in | | | | | |
| B | 75mm Thick work top | 24 | m ² | 20,000 | 480,000 ✓ |
| Steel fabric reinforcement to BS 4483:1997 | | | | | |
| C | Square mesh fabric ref. A252 weighing 2.22Kg per square metres | 24 | m ² | 14,000 | 336,000 ✓ |
| Sawn formwork to | | | | | |
| D | Soffits of worktop | 24 | m ² | 20,000 | 480,000 ✓ |
| E | Edges of plinth over 75 but not exceeding 150mm high | 89 | m | 3,000 | 267,000 ✓ |
| F | Edges of worktop not exceeding 75mm high | 93 | m | 1,500 | 139,500 ✓ |
| G | Boxing to form opening 2630mm girth to house wash hand basin to 75mm thick concrete worktop | 50 | nr | 5,000 | 250,000 ✓ |
| To collection | | | | | 2,512,500 ✓ |



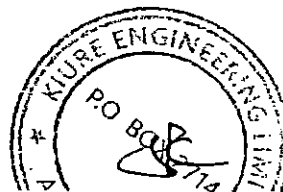
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|---|-----|----------------|---------|----------------|
| FITTINGS AND FIXTURES (Cont'd) | | | | | |
| Wrot hardwood Mkongo polished | | | | | |
| A | 45 x 45mm Framing with one labour, plugged to block/concrete work | 416 | m | 15,000 | 6,240,000 ✓ |
| B | 25mm Thick door size 480 x 770mm high not exceeding 1square metre, comprising 25 x 40mm hardwood stiles, top and bottom rails with one pannel filled with 15mm thick board and grooved jointed to edges of stiles and rails | 64 | nr | 400,000 | 25,600,000 ✓ |
| C | Ditto; door size 400 x 770mm high; ditto | 20 | nr | 400,000 | 8,000,000 ✓ |
| Supply and fix the following ironmongery as per UNION brand or any other equal and approved to hardwood or the like with matching screws | | | | | |
| D | 75mm brass butt hinges | 84 | pairs | 30,000 | 2,520,000 ✓ |
| E | Cupboard lock set | 42 | nr | 10,000 | 420,000 ✓ |
| F | Brass pull knobs | 84 | nr | 10,000 | 840,000 ✓ |
| G | 75mm Long barrel bolt | 84 | nr | 10,000 | 840,000 ✓ |
| Walling | | | | | |
| Solid concrete blocks with the crushing strength not less than 7MPa. bedded and jointed in cement mortar (1:3) | | | | | |
| H | 100mm Wall | 5 | m ² | 30,000 | 150,000 ✓ |
| To collection | | | | | 44,610,000 ✓ |



| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|-----|----------------|---------|----------------|
| | FITTINGS AND FIXTURES (Cont'd) | | | | |
| | Kitchen top | | | | |
| A | 25mm Thick precast marble unit laid on top of concrete worktop by special adhesive complete with approx acidic resistance materials on top. | 24 | m ² | 650,000 | 15,600,000 ✓ |
| | Plastering in two coats including skimming with white cement steel trowelled to a smooth finish | | | | |
| B | 15mm To block work walls | 10 | m ² | 6,500 | 65,000 ✓ |
| | Prepare and apply one thinned coat and two full coats of acrylic paint on: | | | | |
| C | Plastered walls | 10 | m ² | 6,500. | 65,000 ✓ |
| | Prepare and apply three coats of polyurethane varnish on wood surfaces | | | | |
| D | General surfaces | 82 | m ² | 5,000 | 410,000 ✓ |
| | (End of concrete worktops with underside cabinets to accomodate handwash basins) | | | | |
| | To collection | | | | 16,140,000 ✓ |

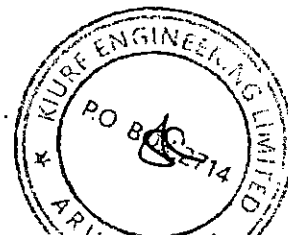


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|---------------------------------------|-----|------|------|--------------------------|
| | FITTINGS AND FIXTURES (Cont'd) | | | | |
| | COLLECTION | | | | |
| | Page 2/13/1 | | | | 2,292,000 ✓ |
| | Page 2/13/2 | | | | 22,560,000 ✓ |
| | Page 2/13/3 | | | | 2,048,000 x 2,204,00 |
| | Page 2/13/4 | | | | 2,082,000 ✓ |
| | Page 2/13/5 | | | | 58,258,500 ✓ |
| | Page 2/13/6 | | | | 18,105,000 ✓ |
| | Page 2/13/7 | | | | 2,297,000 ✓ |
| | Page 2/13/8 | | | | 2,512,500 ✓ |
| | Page 2/13/9 | | | | 44,610,000 ✓ |
| | Page 2/13/10 | | | | 16,140,000 ✓ |
| ELEMENT NR. 13: FITTINGS AND FIXTURES TOTAL CARRIED TO SUMMARY OF BILL NR. 2 | | | | | 170,905,000 x 73,061,000 |

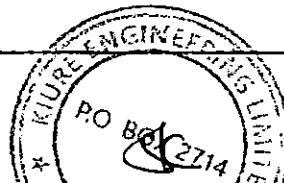


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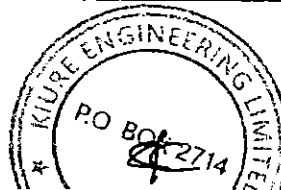
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|--|-----|------|--------|------------------------------|
| | ELEMENT NR.14 - FOUL WATER DRAINAGE (PROVISIONAL) . | | | | |
| | EXCAVATION | | | | |
| | Starting Levels | | | | |
| | All excavations and plunking and strutting start at ground level | | | | |
| | Excavating trenches to receive pipe not exceeding 150mm nominal size; grade and ram bottom to falls; part return fill and ram excavated material; spreading surplus spoil on site average 10 metres from excavation. | | | | |
| | Not exceeding 1.5m total depth; average depth | | | | |
| A | 750mm | 95 | m | 7,000 | 665,000 ✓ |
| B | 1000mm | 64 | m | 10,000 | 640,000 ✓ |
| | Disposal of water | | | | |
| | Keeping the surface of the site and the excavations free of | | | | |
| C | General water | | Item | 3,500 | 1,315,500 * |
| | Beds, benchings and coverings, imported sand | | | | |
| | Beds and surrounds | | | | |
| D | 100mm Thick with 150mm top cover to 100mm and 150mm diameter pipes | 159 | m | 15,000 | 795,000 X 2,385,000 Bony |
| | Pipe: UPVC pipe and fittings, BS 4660; solvert weld joints | | | | |
| E | 100mm Diameter | 53 | m | 40,000 | 4,240,000 X 2,20,000 Bony |
| F | 150mm Diameter | 106 | m | | * |
| | | | | | 5,818,500 |
| | To Collection | | | | 7,655,500 X Bony |



| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|--|-----|----------------|---------|--------------------|
| | FOUL WATER DRAINAGE (Contd) | | | | |
| | MANHOLES (16NR.) | | | | |
| | Excavating pits, plunking and strutting | | | | |
| A | not exceeding 1.50m deep | 78 | m ³ | 6,500 | 507,000 ✓ |
| | Bottoms of excavations | | | | |
| B | Levelling, compacting | 74 | m ² | 200 | 14,800 ✓ |
| | Disposal of water; keeping the surface of the site and the excavations free of | | | | |
| C | General water | | Item | Refered | |
| D | Extra over any kind of excavation for breaking up rock and the like | 2 | m ³ | 10,000 | 20,000 ✓ |
| | Disposal of excavated material | | | | |
| E | Removing from site | 78 | m ³ | 4,000 | 312,000 ✓ |
| | In situ concrete; Grade 15 | | | | |
| F | Beds; laid on earth or hardcore; 150mm thick | 37 | m ² | 34,500 | 1,276,500 ✓ |
| G | 700 x 700 x average 200mm benching; finished with 13mm cement and sand (1:2) trowelled smooth including forming 100mm half round straight main channel | 3 | nr | 50,000 | 150,000 ✓ |
| H | Ditto, including forming 100mm half round straight main channel and 100mm branch channels | 6 | nr | 50,000 | 300,000 ✓ |
| J | Ditto, including forming 150mm half round straight main channel and 150mm branch channels | 7 | nr | 50,000 | 350,000 ✓ |
| | Reinforced concrete grade '25' including vibrating around reinforcement | | | | |
| K | 100mm Thick top slab | 27 | m ² | 30,000 | 810,000 ✓ |
| | To Collection | | | | 3,740,300 ✓ |

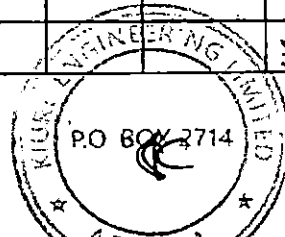


| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---------------|---|------|----------------|---------|----------------|
| | FOUL WATER DRAINAGE (Contd) MANHOLES(Contd) | | | | |
| | Reinforcement (Provisional) | | | | |
| | High yield strength deformed type 2 steel bar reinforcement to BS4449:1969 | | | | |
| A | 10mm Diameter | 1357 | kg | 3,200 | 4,342,400 ✓ |
| | Precast concrete solid blocks to B.S 2028; cement mortar (1:3) | | | | |
| B | Wall; 230mm thick | 70 | m ² | 35,000 | 2,450,000 ✓ |
| | Cement and sand (1:4) render with an approved water proofing additive in two coats steel trowelled to a smooth finish | | | | |
| C | 15mm To walls | 13 | m ² | 6,500 | 84,500 ✓ |
| | Sawn formwork to | | | | |
| D | Horizontal soffits of suspended slab | 26 | m ² | 20,000 | 520,000 ✓ |
| E | Vertical edge of kerbs over 75 but not exceeding 150mm high | 26 | m | 3000 | 78,000 ✓ |
| F | Boxing to form rebated opening size 450 x 450mm for manhole access cover | 16 | nr | 5,000 | 80,000 ✓ |
| | Gully traps | | | | |
| G | Allow for construction of gully traps: complete with blockwork surround; size 150 x 150 mm | 13 | nr | 50,000 | 650,000 ✓ |
| | Cast iron manhole covers and frames to B.S. 497 coated | | | | |
| H | 450 x 450 x 96mm Heavy duty double seal flat cover and frame | 16 | nr | 100,000 | 1,600,000 ✓ |
| | (End of 16 Nr. manholes) | | | | |
| To Collection | | | | | 9,804,900 ✓ |

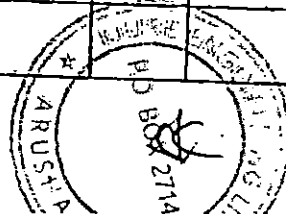


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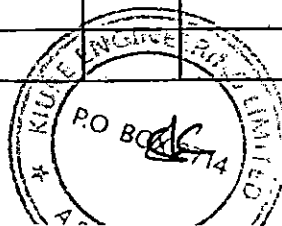
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|--|-----|----------------|--------|----------------|
| | FOUL WATER DRAINAGE (Contd) | | | | |
| | The following are in 1 Nr. Septic tank (Provisional) | | | | |
| | Excavation and earthwork | | | | |
| A | Excavate pit not exceeding 1,50 metres deep commencing at ground level | 34 | m ³ | 6,500 | 221,000 ✓ |
| B | Ditto over 1.50 but not exceeding 3.00 metres deep ditto | 33 | m ³ | 10,000 | 330,000 ✓ |
| C | Grade bottoms of excavations to slope | 17 | m ² | 200 | 3,400 ✓ |
| D | Extra over any kind of excavation for breaking up rock and | 3 | m ³ | 10,000 | 30,000 ✓ |
| E | Load up surplus excavated material and remove from site | 34 | m ³ | 4,000 | 136,000 ✓ |
| F | Allow for keeping excavations free from water (except spring or running water) by pumping; baling or other means necessary | | Item | | - |
| G | Allow for the provision and subsequently removal of planking and strutting to uphold and maintain all faces of excavations | | Item | | - |
| | Concrete work | | | | |
| | Plain concrete grade "20" | | | | |
| H | 120mm Bed | 19 | m ² | 33,600 | 638,400 ✓ |
| | Reinforced concrete grade "25" including vibrating around reinforcement | | | | |
| J | 125mm Horizontal suspended slab | 16 | m ² | 37,500 | 600,000 ✓ |
| | High yield strength deformed type 2 steel bar reinforcement to BS4449:1969 | | | | |
| K | 12mm Diameter bars | 300 | kg | 3,200 | 960,000 ✓ |
| | Sawn formwork to | | | | |
| L | Horizontal soffits of suspended slab | 16 | m ² | 20,000 | 320,000 ✓ |
| M | Vertical edge of slab over 75 but not exceeding 150mm high | 17 | m | 3,000 | 51,000 ✓ |
| N | Boxing to form rebated opening size 450 x 600mm to 100mm. thick slab | 4 | nr | 5,000 | 20,000 ✓ |
| | To collection | | | | 3,309,800 ✓ |



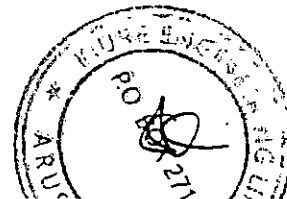
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|--|-----|----------------|---------|-----------------------|
| | FOUL WATER DRAINAGE (Contd) | | | | |
| | Precast concrete grade "25". | | | | |
| A | 230mm Thick precast concrete baffle wall size 3230 x 2250mm overall, reinforced with and including fabric reinforcement type A252 weighing 3.95 kg per square metre, finished fair including hoisting and fixing to position | 1 | nr | 750,000 | 750,000 ✓ |
| | Solid concrete blocks to BS 2028 type "A" bedded and jointed in cement mortar (1:4) | | | | |
| B | 150mm Wall | 3 | nr | 30,000 | 90,000 ✓ |
| C | 230mm Wall | 30 | nr | 35,000 | 1,050,000 ✓ |
| D | 300mm Wall | 20 | nr | 35,000 | 700,000 ✓ |
| E | Form groove to 230mm blockwall to house 230mm thick precast concrete baffle wall and the like, 50mm deep and make good surrounds | 10 | m | 10,000 | 100,000 ✓ |
| F | Build end of the 100mm pipe into 230mm blockwall and make good rendering | 2 | nr | 10,000 | 20,000 ✓ |
| | Cement and sand (1:3) rendering with approved waterproofing additive in two coats steel trowelled to a smooth finish | | | | |
| G | 15mm Top walls | 80 | m ² | 6,500 | 520,000 ✓ |
| H | 30mm Cement and sand (1:4) flooring trowelled to a smooth finish | 19 | m ² | 6,500 | 123,500 ✓ |
| | Cast iron manhole cover and frame to BS 497 coated with bituminous paint and bed frame in cement mortar (1:3) and set cover in thick grease | | | | |
| J | Light duty single seal manhole cover and frame, size 610 x 467mm | 6 | nr | 100,000 | 600,000 ✓ |
| K | 100 x 100mm Cast iron spigot and socket tee (End of 1Nr. Septic tank) | 2 | nr | 5,000 | 10,000 ✓ |
| | To collection | | | | 4,053,500 X 3,963,500 |



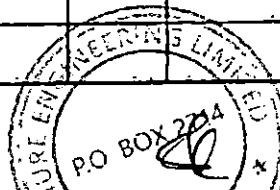
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|--|--|-----|----------------|------------------|----------------|
| FOUL WATER DRAINAGE (Contd) | | | | | |
| The following in 1 Nr. Soakaway pit, 3000mm internal diameter | | | | | |
| Excavation and earthwork | | | | | |
| A | Excavate pit commencing at ground level and not exceeding 1.50 metres deep | 34 | m ³ | 6,500 | 221,000 ✓ |
| B | Excavate pit commencing at ground level over 1.50 but not exceeding 3.00 metres deep | 34 | m ³ | 10,000 | 340,000 ✓ |
| C | Earth backfilling, well rammed and consolidated around walls | 16 | m ³ | 5,000 | 80,000 ✓ |
| D | Load up surplus excavated material and remove from site | 22 | m ³ | 4,000 | 88,000 ✓ |
| E | Allow for keeping excavations free from general water | | Item | Label | |
| F | 230mm Thick selected approved clean aggregate filling, 50-75mm diameter in soakaway pit base | 26 | m ² | 20,000 | 520,000 ✓ |
| G | Allow for the provision and subsequent removal of planking and strutting to uphold and maintain all faces of excavations | | Item | - | - |
| Concrete work | | | | | |
| Reinforced concrete grade "20" including vibrating around reinforcement | | | | | |
| H | 100mm Horizontal suspended slab | 8 | m ² | 28,000 | 224,000 ✓ |
| High yield strength deformed type 2 steel bar reinforcement to BS4449:1969 | | | | | |
| J | 12mm Diameter bars. | 220 | kg | 3,200 | 704,000 ✓ |
| Sawn formwork to | | | | | |
| K | Horizontal soffits of suspended slab | 14 | m ² | 20,000 | 280,000 ✓ |
| L | Curved cutting sawn formwork | 20 | m | 10,000 | 200,000 ✓ |
| M | Vertical edge of slab over 75 but not exceeding 150mm high, curved to 1980mm mean radius | 24 | m | 3,000 | 72,000 ✓ |
| N | Boxing to form rebated opening size 600 x 600mm to 100mm thick slab | 2 | nr | 5,000 | 10,000 ✓ |
| | To collection | | | | 2,739,000 ✓ |



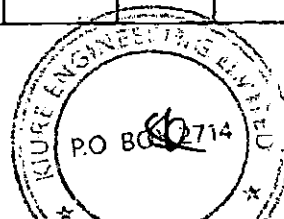
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------------------------------------|---|-----|----------------|--------|----------------|
| FOUL WATER DRAINAGE (Contd) | | | | | |
| | Solid concrete blocks to BS 2028 type "A" bedded and jointed in cement mortar (1:4) | | | | |
| A | 230mm Wall curved to 1865mm mean radius | 23 | m ² | 35,000 | 805,000 ✓ |
| B | Build end of the 150mm pipe into 230mm blockwall and make good rendering | 1 | nr | 10,000 | 10,000 ✓ |
| | Cast iron manhole cover and frame to BS 497 coated with bituminous paint and bed frame in cement mortar (1:3) and set cover in thick grease | | | | |
| C | 600 x 600mm (End of 1Nr. Soakaway Pit) | 1 | nr | 5,000 | 5,000 ✓ |
| | Testing | | | | |
| D | Allow for testing the whole of foul water drainage system to the Project manager's satisfaction | | Item | | Approved ✓ |
| | To collection | | | | 820,000 ✓ |
| | COLLECTION | | | | 5,818,500 |
| | Page 2/14/1 | | | | 7,655,500 ✓ |
| | Page 2/14/2 | | | | 3,740,300 ✓ |
| | Page 2/14/3 | | | | 9,804,900 ✓ |
| | Page 2/14/4 | | | | 3,309,800 ✓ |
| | Page 2/14/5 | | | | 4,053,500 ✓ |
| | Page 2/14/6 | | | | 2,739,000 ✓ |
| | Page 2/14/7 | | | | 820,000 ✓ |
| | ELEMENT NR.14: FOUL WATER DRAINAGE | | | | 32,123,000 ✓ |
| | TOTAL CARRIED TO SUMMARY OF BILL NR.2 | | | | 30,196,000 ✓ |



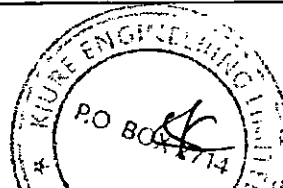
| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|---|---|-----|----------------|--------|----------------|
| ELEMENT NR.15 - SITE WORKS (PROVISIONAL) | | | | | |
| ROADS AND PARKING AREAS (Selected Areas) | | | | | |
| Excavation and Earthworks | | | | | |
| A | Excavate oversite average 150mm deep to remove top soil, convey average 50 linear meters and deposit in temporary spoil heaps | 750 | m ² | 1,000 | 750,000 |
| Surface treatments | | | | | |
| B | 240mm compacted gravel sub-base | 750 | m ² | 16,750 | 12,562,500 |
| C | 120mm laying course after compaction | 750 | m ² | 16,750 | 12,562,500 |
| Hardcore | | | | | |
| D | 150mm Thick bed, blinded and compacted, graded to receive paving blocks | 750 | m ² | 5,000 | 3,750,000 |
| Concrete Paving blocks and kerbs | | | | | |
| E | 180 x 150 x 70mm Heavy duty precast concrete interlocking paving blocks approved by the Project manager laid on sand blinded hardcore bed (measured separately) | 750 | m ² | 50,000 | 37,500,000 |
| F | 450 x 150mm Precast concrete kerbs with chamfered edging jointed and pointed in sand and cement mortar (1:3) laid on and including 600x 100mm plain concrete grade "20" bed and haunched at back and 700mm wide x 50mm thick sand blinding including all necessary excavation and earthworks. | 240 | m | 40,000 | 9,600,000 |
| | To collection | | | | 76,725,000 ✓ |



| Item | Descriptions | Qty | Unit | Rate | Amount in Tshs |
|------|---|-----|----------------|--------|----------------|
| | SITE WORKS (PROVISIONAL) (CONTD) | | | | |
| | SOFT LANDSCAPING | | | | |
| | Planting Grass | | | | |
| A | Rake soil to a fine tilth and fertilize with approved imported black garden soil mixed with manure at (1:6) ratio spread and level on site average 150mm thick | 200 | m ² | 5,000 | 1,000,000 |
| B | Rake filled soil, bring to a fine tilth, set approved grass plants at 200mm centers both ways and maintain until well established | 200 | m ² | 10,000 | 2,000,000 |
| | Planting trees | | | | |
| C | Provide and plant trees as per Njombe climate including digging hole, providing black garden soil mixed with manure at (1:6) ratio around each plant and remove surplus spoil | 10 | nr | 20,000 | 200,000 |
| | Planting hedges | | | | |
| D | Rake filled soil, bring to a fine tilth, set approved hedges plants at 300mm centers both ways and maintain until well established | 240 | m | 50,000 | 12,000,000 |
| | To Collection | | | | 15,200,000 ✓ |
| | COLLECTION | | | | |
| | Page 2/15/1 | | | | 76,725,000 |
| | Page 2/15/2 | | | | 15,200,000 |
| | ELEMENT NR.15: SITE WORKS TOTAL CARRIED TO SUMMARY OF BILL NR.2 | | | | 91,925,000 ✓ |

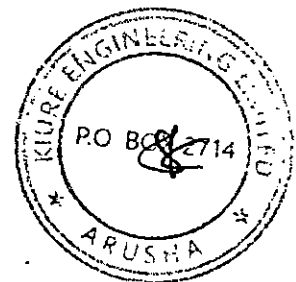


| Item | Descriptions | Amount in Tshs |
|------|---|---|
| | BILL NR. 2 - MEASURED WORK | |
| | SUMMARY | |
| | ELEMENT NR. 1 - SUBSTRUCTURE | 373,863,500 |
| | ELEMENT NR. 2 - FRAME | 426,358,600 |
| | ELEMENT NR. 3 - STAIRS | 18,858,100 18,938,100 X |
| | ELEMENT NR. 4 - WALLING AND PARTITIONING | 130,104,600 |
| | ELEMENT NR. 5 - ROOFING | 377,118,000 |
| | ELEMENT NR. 6 - DOORS | 199,824,000 |
| | ELEMENT NR. 7 - WINDOWS | 39,802,950 |
| | ELEMENT NR. 8 - FINISHINGS | 399,113,250 399,155,750 X |
| | ELEMENT NR. 9 - PAINTING AND DECORATIONS | 53,463,500 |
| | ELEMENT NR. 10 - PLUMBING AND ENGINEERING INSTALLATIONS | 213,840,000 213,940,000 X |
| | ELEMENT NR. 11 - ELECTRICAL INSTALLATION | 504,640,000 ✓ |
| | ELEMENT NR. 12 - AIR CONDITIONING INSTALLATION | 115,866,000 ✓ |
| | ELEMENT NR. 13 - FITTINGS AND FIXTURES | 171,061,000 170,905,000 X |
| | ELEMENT NR. 14 - FOUL WATER DRAINAGE | 30,196,000 32,123,500 X |
| | ELEMENT NR. 15 - SITE WORKS | 91,925,000 ✓ |
| | BILL NR. 2: MEASURED WORK - TOTAL CARRIED TO GENERAL SUMMARY | 3,148,028,300 X |



3,145,225,000

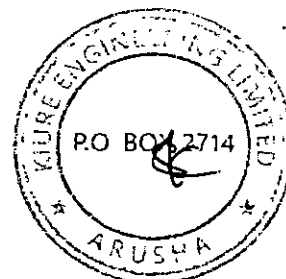
GENERAL SUMMARY



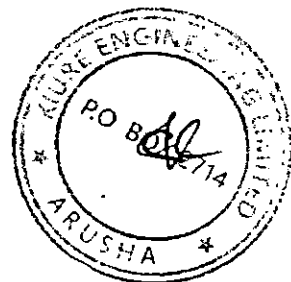
GENERAL SUMMARY

| ITEM | DESCRIPTION | Amount in T.shs |
|------|--|-----------------|
| A | BILL NR.1 - PRELIMINARIES | 76,000,000 |
| B | BILL NR.2 - MEASURED WORK | 2,145,235,000 |
| | | 3,148,028,300 X |
| C | BILL NR.3 - PRIME COSTS AND PROVISIONAL SUMS | 43,125,000 |
| | | 3,264,360,000 |
| | SUB-TOTAL | 3,267,153,300 X |
| D | Allow for the cost of insurance against death of or injury to persons, loss of or damage to any property (other than the works) as clause 13.1 (c) & (d) of the conditions of the contract | Item 6,500,000 |
| E | Allow for the cost of insurance against loss of or damage to the works, plant, etc. as clause 13.1 (a) & (b) of the conditions of the contract | Item 6,500,000 |
| F | Allow for the cost of providing sureties for 10% of the contract sum as clause 54 of the conditions of the contract | Item 10,000,000 |
| | | 3,287,360,000 |
| | SUB-TOTAL | 3,290,153,300 X |
| | ADD: VAT, 18% | 592,227,594 |
| | | 3,879,084,800 |
| | TOTAL FOR FIXED PRICE CARRIED TO FORM OF BID | 3,882,380,894 X |

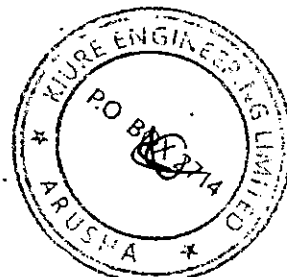
G/S



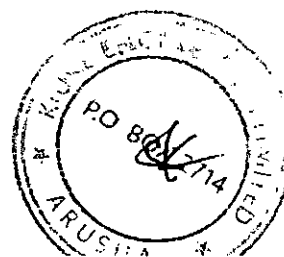
**APPENDIX I – SCHEDULE OF
DAYWORKS**



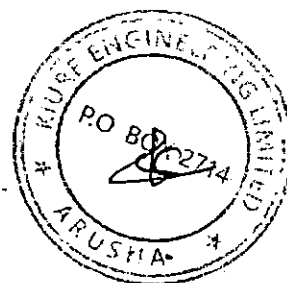
| ITEM | DESCRIPTION | UNIT | RATE |
|------|--|------|-------|
| | SCHEDULE OF DAYWORKS | | |
| | The contractor will be reimbursed for the cost of works carried out as Dayworks in accordance with the rates inserted by him in this schedule | | |
| | LABOUR | | |
| A | Waller | Hr | 3,750 |
| B | Carpenter | Hr | 3,750 |
| C | Joiner | Hr | 3,750 |
| D | Welder | Hr | 3,750 |
| E | Plumber | Hr | 3,750 |
| F | Electrician | Hr | 3,750 |
| G | Plasterer | Hr | 3,750 |
| H | Glazier | Hr | 3,750 |
| I | Painter | Hr | 3,750 |
| K | Labourer (skilled) | Hr | 3,750 |
| L | Labourer (unskilled) | Hr | 1,875 |
| M | To the basic net rates of labour used for work carried out on dayworks, an addition of% is required to include for work and incentive scheme, tools, standing scaffolding, supervision, insurance, transport, profit and all overheads | | |



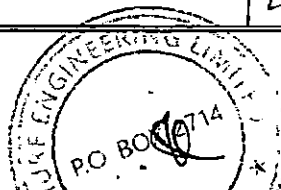
| ITEM | DESCRIPTION | UNIT | RATE |
|------|---|----------------|-----------|
| | MATERIALS | | |
| A | Cement | Tonnes | 270,000 |
| B | Sand (fine aggregates) | m ³ | 17,000 |
| C | Aggregates (37mm) | m ³ | 76,500 |
| D | Aggregates (grade 10 - 15) | m ³ | 76,500 |
| E | Steel reinforcement (mild steel) | kg | 2,400 |
| F | Steel reinforcement (high tensile steel) | kg | 2,600 |
| G | Sawn timber (podocarpus) | m ³ | 600,000 |
| H | Wrot timber (mainga) | m ³ | 3,500,000 |
| J | Wrot timber (mahogany) | m ³ | 3,500,000 |
| K | Hydrated lime | Litres | 800 |
| L | Paint, gloss | Litres | 7,500 |
| M | Paint, matt | Litres | 5,500 |
| N | Paint, emulsion | Litres | 1,750 |
| P | Paint, linseed oil | Litres | 7,500 |
| Q | Paint, wood preservative (PX 65) | Litres | 10,000 |
| R | Polyurethane varnish | Litres | 10,000 |
| S | To the basic net rates of materials used for work carried out on dayworks, an addition of% is required to include for work and incentive scheme, tools, standing scaffolding, supervision, insurance, transport, profit and all overheads | | |



| ITEM | DESCRIPTION | UNIT | RATE |
|------|---|------|---------|
| | PLANT | | |
| A | Excavator loader (5 capacity) | Hr | 106,250 |
| B | Bulldozer (1.1 capacity) | Hr | 106,250 |
| C | Motor grader (11.1 tonnes) | Hr | 106,250 |
| D | Dumper (1.25 tonnes) | Hr | 106,250 |
| E | Lorry (7 tonnes tipper) | Hr | 37,500 |
| F | Roller (1.3 tonnes vibrator) | Hr | 37,500 |
| G | Roller (10 tonnes vibrator) | Hr | 93,750 |
| H | Portable compressor (with hoses) | Hr | 50,000 |
| I | Pneumatic hammer (25kg) | Hr | 50,000 |
| K | Portable electric welding set | Hr | 18,000 |
| L | Concrete mixer (14/10) with batching plant | Hr | 62,500 |
| M | Concrete vibrator (poker type) | Hr | 8,750 |
| N | 50mm Self priming centrifugal pump with hose and ancillary equipment | Hr | 12,500 |
| P | To the basic net rates of plant used for work carried out on dayworks, an addition of% is required to include for work and incentive scheme, tools, standing scaffolding, supervision, insurance, transport, profit and all overheads | | |

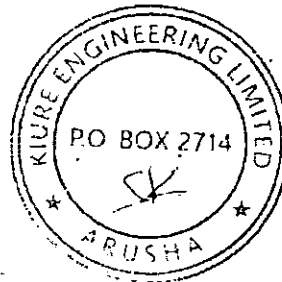


| Item | Description | Unit | Amount in T.shs |
|--|---|--------|---------------------|
| BILL NR. 3: PRIME COSTS AND PROVISIONAL SUMS | | | |
| Prime Cost Sums | | | |
| Electrical Connection | | | |
| A | Provide the prime cost sum of T.shs. 5,000,000 for electrical main connection to be carried by TANESCO | Sum | 5,000,000 |
| B | Add: for profit | 25.2% | 1,250,000 |
| C | Add: for general Attendance | Item | 200,000 |
| Water Connection | | | |
| D | Provide the prime cost sum of T.shs. 2,500,000 for water main connection to be carried by local authority | Sum | 2,500,000 |
| E | Add: for profit |% | — |
| F | Add: for general Attendance | Item | — |
| Telephone Connection | | | |
| G | Provide the prime cost sum of T.shs. 2,000,000 for telephone Connection to be carried out by Tanzania Telecommunication Company | Sum | 2,000,000 |
| H | Add: for profit |% | — |
| J | Add: for general Attendance | Item | 200,000 |
| Provisional Sums | | | |
| K | Allow a Provisional sum of T.shs. 5,000,000 for storm water drainage | Sum | 5,000,000 |
| L | Allow a Provisional sum Tshs. 28,000,000.00 for contingency to be expended or deducted by the Project Manager | Sum | 28,000,000 |
| BILL NR. 3: PRIME COSTS AND PROVISIONAL SUMS TOTAL CARRIED TO GENERAL SUMMARY | | | 43,125,000 ✓ |



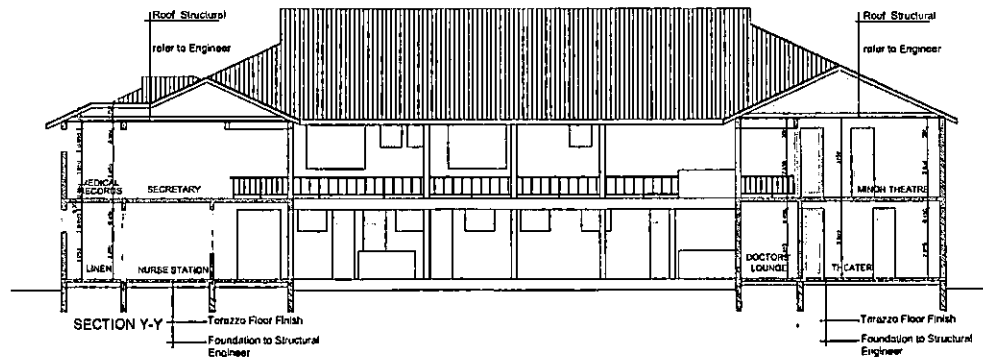
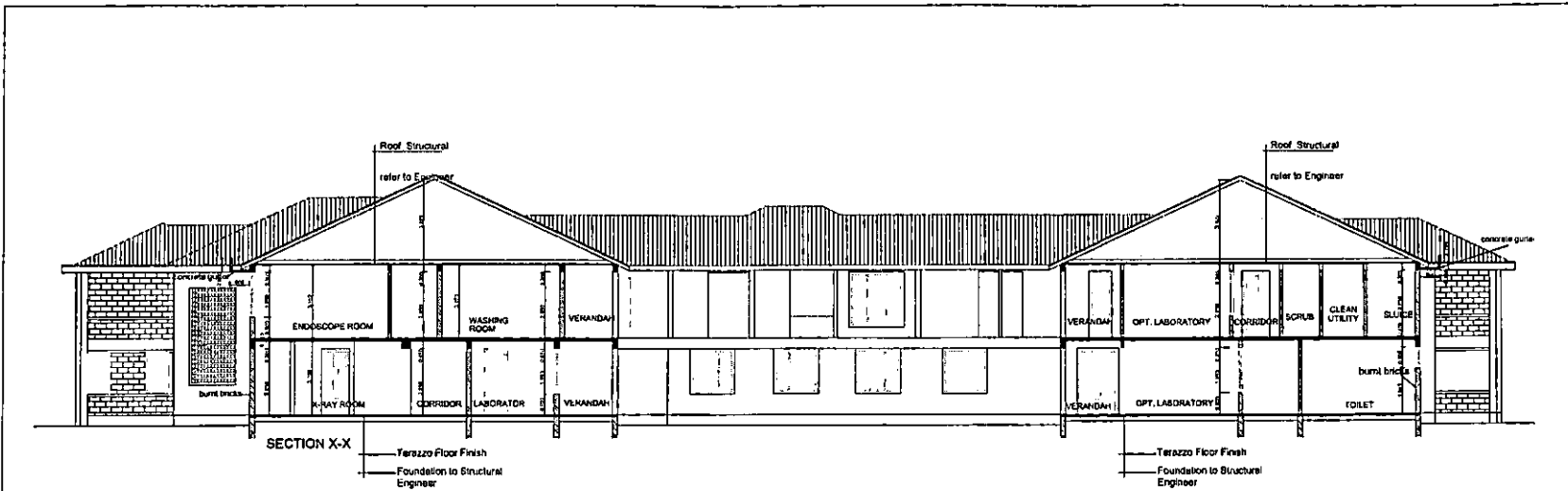
Njombe Regional Hospital Phase I OPD - Preliminaries and General Matters

| Item | DESCRIPTION | T. SHS |
|------|--|-------------------|
| | PRELIMINARIES AND GENERAL MATTERS (CONTD) | |
| | COLLECTION | |
| | Page 1/1 | |
| | Page 1/2 | |
| | Page 1/3 | |
| | Page 1/4 | |
| | Page 1/5 | |
| | Page 1/6 | |
| | Page 1/7 | |
| | Page 1/8 | 30,000,000 |
| | Page 1/9 | 25,000,000 |
| | Page 1/10 | |
| | Page 1/11 | 11,000,000 |
| | Page 1/12 | 10,000,000 |
| | | |
| | BILL NR.1: PRELIMINARIES TOTAL CARRIED TO GENERAL SUMMARY T.SHS | 76,000,000 |



DRAWINGS

✍



Building Section
 Policy and Planning Department
 Ministry of Health, Community Development,
 Gender, Elderly and Children
 Government City-Mtumba
 Ahya Road Street
 P.O. Box 743
 40478, DODOMA

Approved _____

| No. | Description | Date |
|-----|-------------|------|
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| | | |
| | | |

Client
**MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT,
 GENDER, ELDERLY AND CHILDREN.**

Project
**PROPOSED OPD BLOCK FOR
 REGIONAL REFERRAL HOSPITAL**

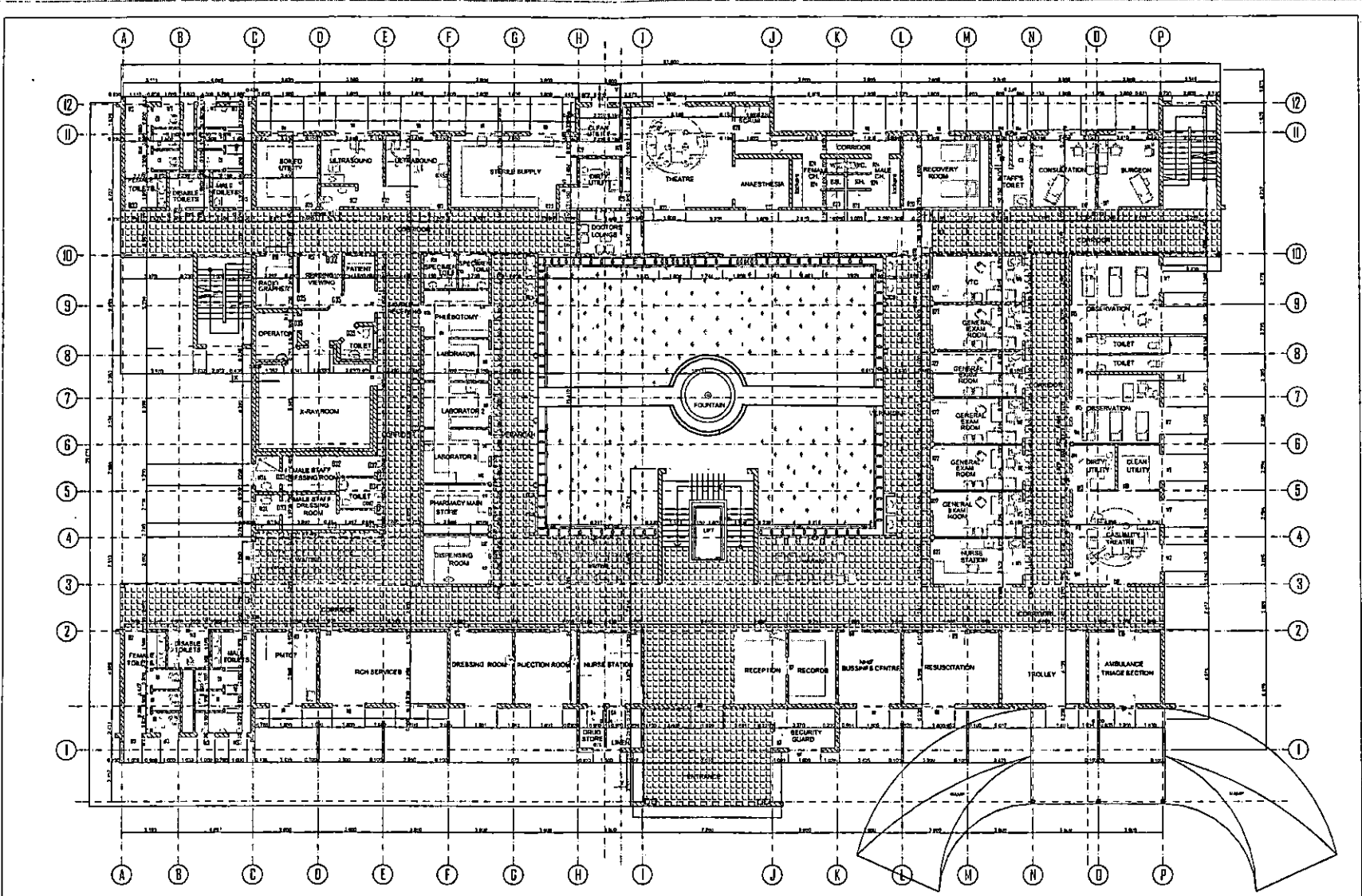
SECTION OPD

Project number 2021/04/29
 Date 23 April 2021
 Drawn by BONIFACE VICTOR
 Checked by BONIFACE VICTOR Scale 1:100

A104

SK

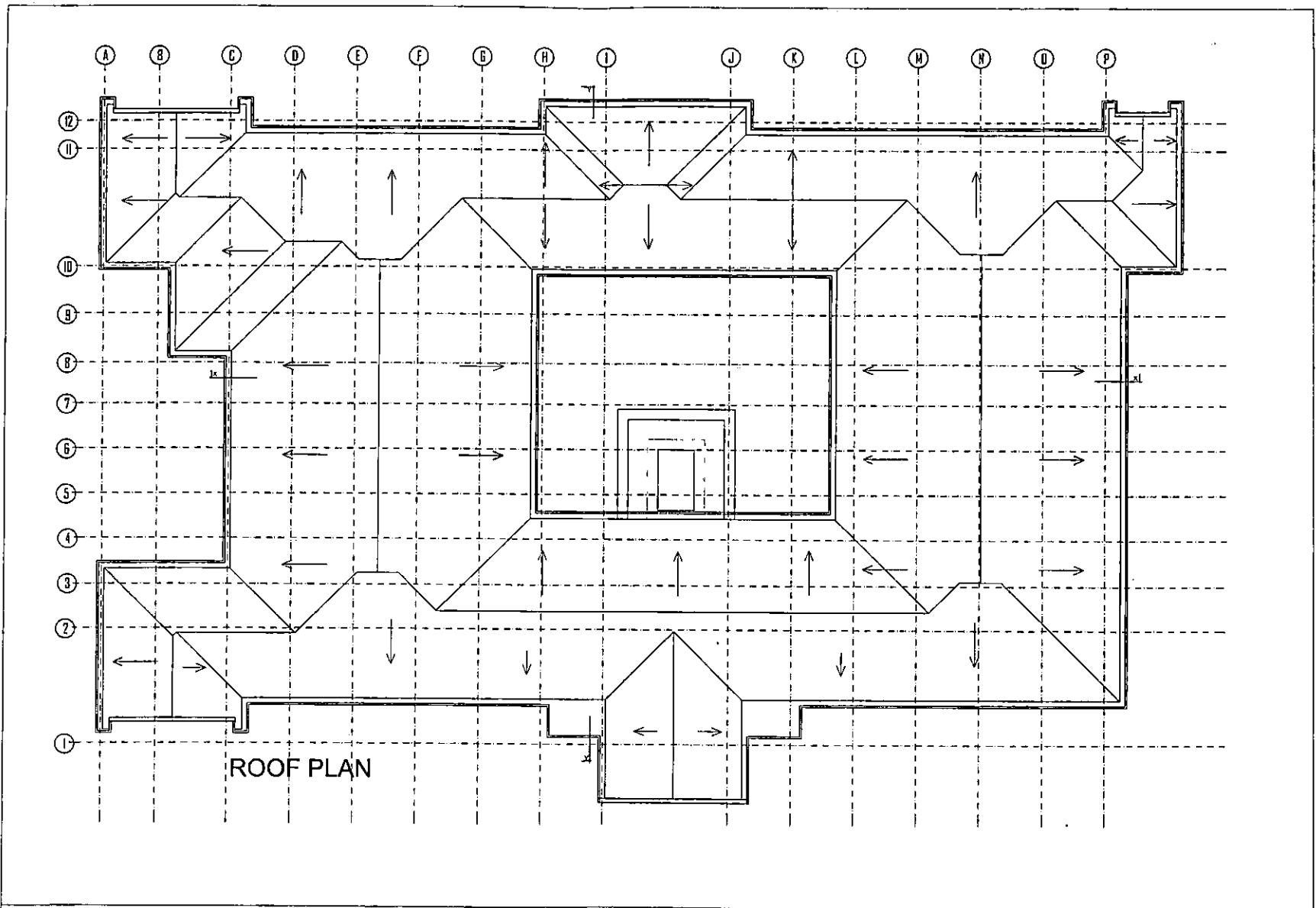
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GROUND FLOOR PLAN (O.P.D BLOCK)

| | | | | | | | | |
|--|----------|-----|-------------|------|--|--|--|-------------------------|
| Building Section Policy and Planning Department Ministry of Health, Community Development, Gender, Elderly and Children Government City-Mtumba Aya Road/Street P.O. Box 743 40476, DODOMA | Approved | No. | Description | Date | Client MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN. Project PROPOSED OPD BLOCK FOR REGIONAL REFERRAL HOSPITAL | FLOOR PLAN OPD Project number 2021/04/29 Date 29 April 2021 Drawn by BONIFACE VICTOR Checked by BONIFACE VICTOR | | A101 Scale 1:100 |
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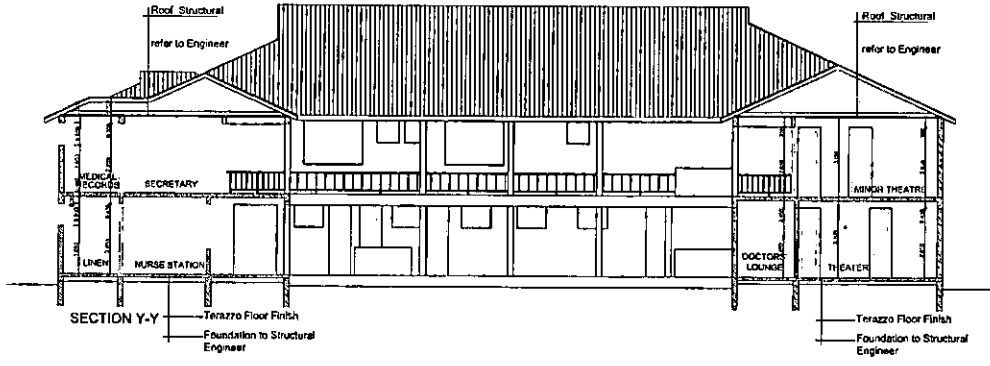
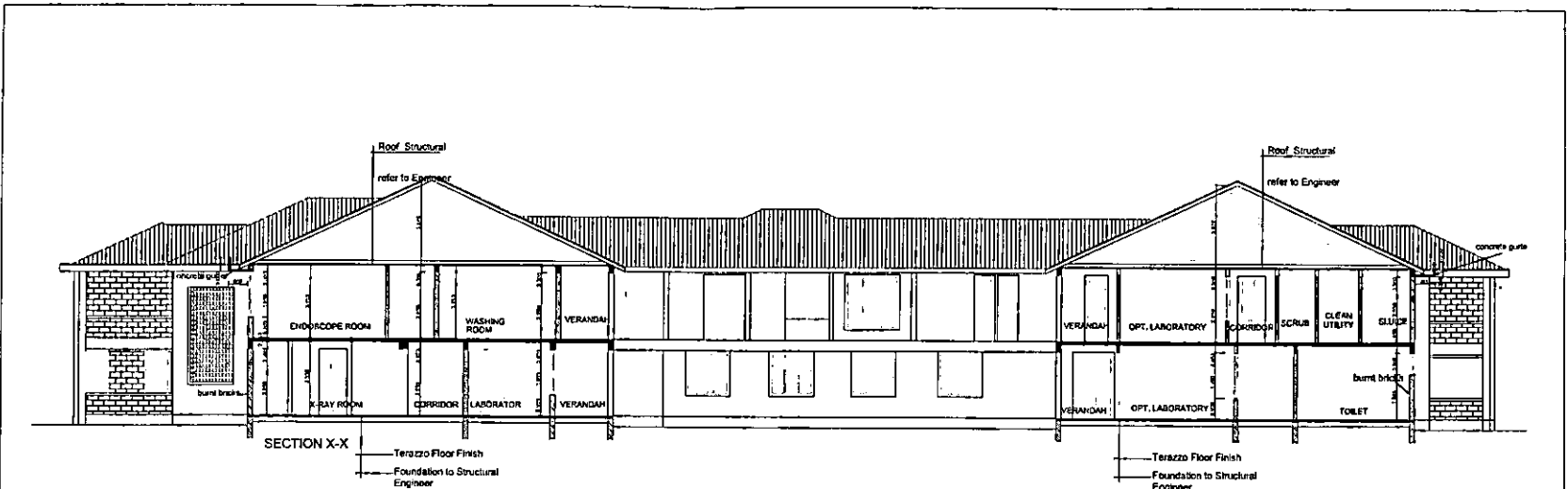
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ROOF PLAN

| | | | | | | | | |
|---|----------|-----|-------------|------|--|--|--|-------------------------|
| Building Section Policy and Planning Department Ministry of Health, Community Development, Gender, Elderly and Children Government City-Mtumba A/ya Road/Street P.O. Box 743 40470, DODOMA | Approved | No. | Description | Date | Client MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN. Project PROPOSED OPD BLOCK FOR REGIONAL REFERRAL HOSPITAL | FLOOR PLAN OPD Project number 2021/04/29 Date 29 April 2021 Drawn by BONIFACE VICTOR Checked by BONIFACE VICTOR | | A103 Scale 1:100 |
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Building Section
 Policy and Planning Department
 Ministry of Health, Community Development,
 Gender, Elderly and Children
 Government City-Numba
 Aja Road/Street
 P.O. Box 743
 40478, DODOMA

Approved

| No. | Description | Date |
|-----|-------------|------|
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Client
**MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT,
 GENDER, ELDERLY AND CHILDREN.**

Project
**PROPOSED OPD BLOCK FOR
 REGIONAL REFERRAL HOSPITAL**

SECTION OPD

Project number 2021/04/29
 Date 29 April 2021
 Drawn by BONIFACE VICTOR
 Checked by BONIFACE VICTOR

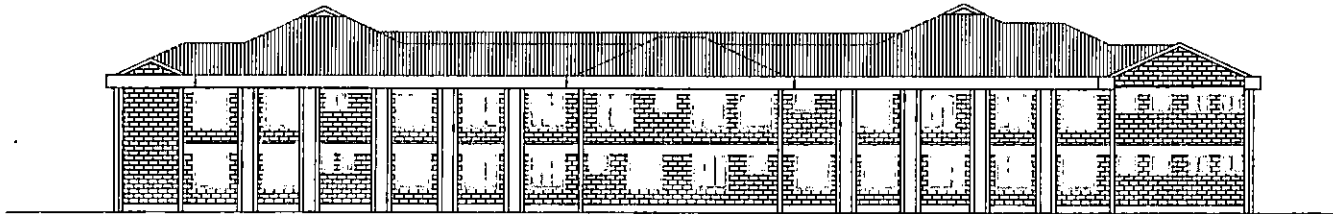
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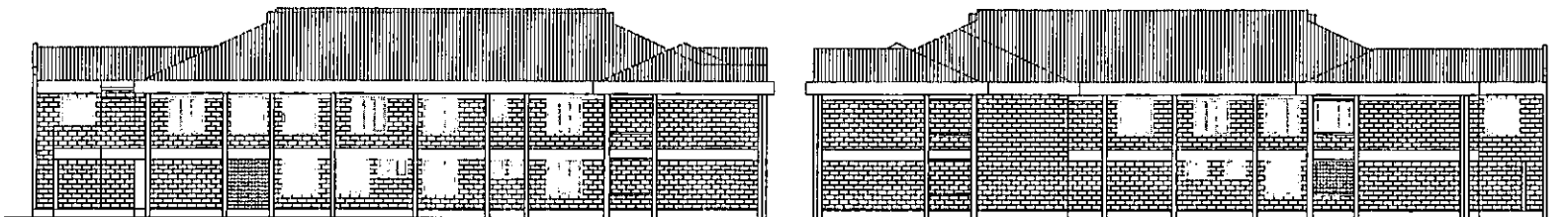
8



FRONT ELEVATION



REAR ELEVATION



RIGHT SIDE ELEVATIONS

LEFT SIDE ELEVATIONS

Building Section
 Policy and Planning Department
 Ministry of Health, Community Development,
 Gender, Elderly and Children
 Government City-Mumbe
 Mbe Road/Street
 P.O. Box 743
 40478, DODOMA

Approved

| No. | Description | Date |
|-----|-------------|------|
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| | | |
| | | |

Client

MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT,
 GENDER, ELDERLY AND CHILDREN.

Project

PROPOSED OPD BLOCK FOR
 REGIONAL REFERRAL HOSPITAL

ELEVATIONS OPD

Project number 2021/04/20

Date 29 April 2021

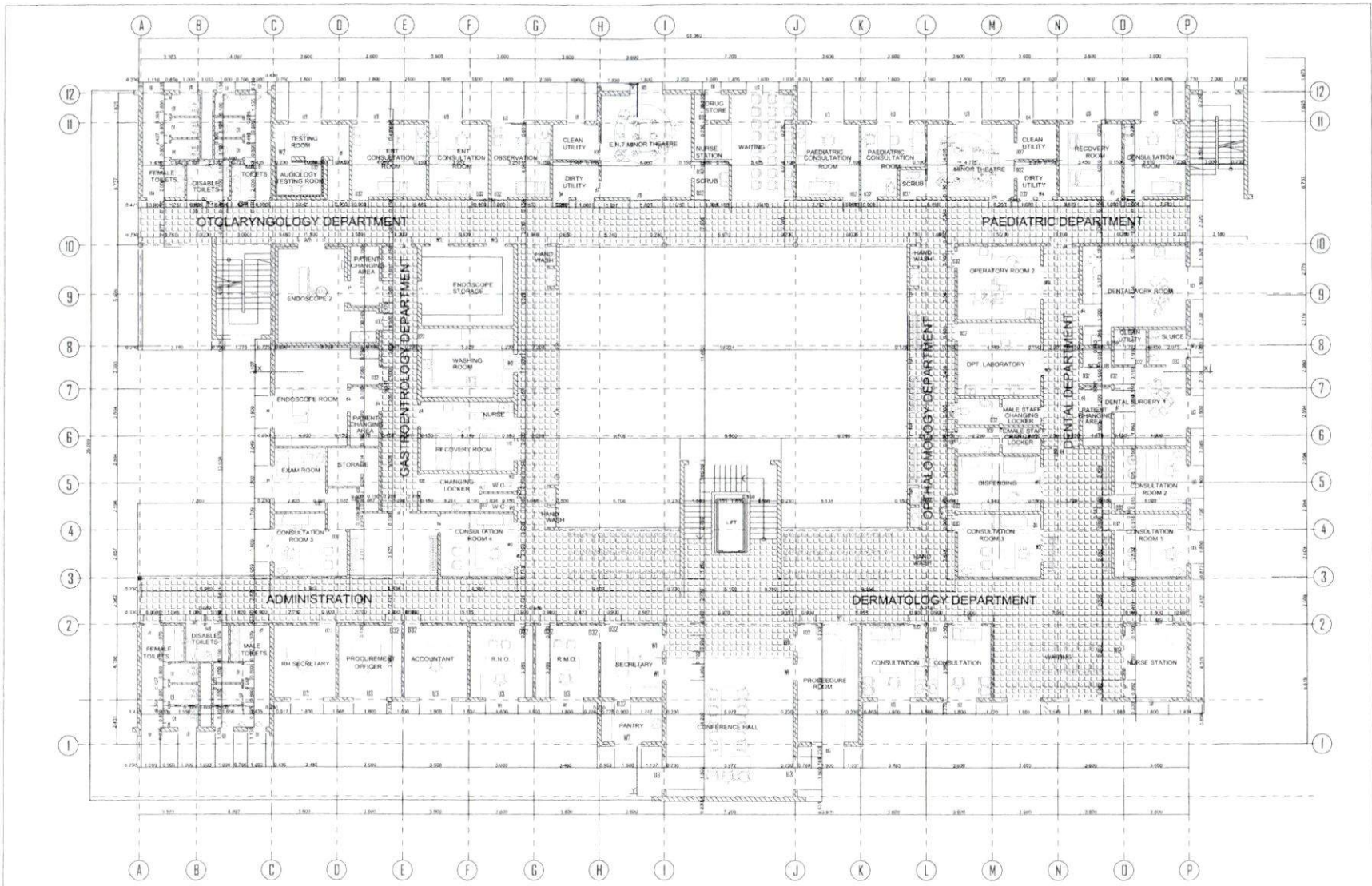
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Checked by BONIFACE VICTOR

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FIRST FLOOR PLAN (O.P.D. CLINICS)

| Building Section Policy and Planning Department Ministry of Health, Community Development, Gender, Elderly and Children Government City-Mtumba Alya Road/Street P.O. Box 743 40478, DODOMA | Approved | <table border="1"> <thead> <tr> <th>No.</th> <th>Description</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | No. | Description | Date | | | | Client MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN. Project PROPOSED OPD BLOCK FOR REGIONAL REFERRAL HOSPITAL | FLOOR PLAN OPD Project number 2021/04/29 Date 29 April 2021 Drawn by BONIFACE VICTOR Checked by BONIFACE VICTOR <div style="text-align: right;"> A102 Scale 1:100 </div> |
|---|-------------|--|-----|-------------|------|--|--|--|--|---|
| No. | Description | Date | | | | | | | | |
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Appendices