

**THE UNITED REPUBLIC OF TANZANIA  
MINISTRY OF HEALTH**



**CONTRACT DOCUMENT**

**FOR**

**TENDER NO ME/007/2021-2022/HQ/W/16 PROPOSED  
CONSTRUCTION OF TWO STOREY OPD BUILDING FOR  
LIGULA RRH PROCUREMENT UNDER TANZANIA COVID  
19SOCIAL ECONOMIC RECOVERY PLAN  
(TCRP)MOHCDGEC/2021/2022/HQ/W/11.**

**CLIENT:  
MINISTRY OF HEALTH  
P.O.BOX 743 DODOMA.**

**CONTRACTOR:  
NATIONAL HOUSING CORPORATION  
P.O Box2777 DAR ES SALAAM**

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

## . Form of Contract

This Contract, made the ..... day of ..... 2022 between the **PERMANENT SECRETARY, MINISTRY OF HEALTH of P.O.Box 743 DODOMA** (hereinafter called "the Employer") and **NATIONAL HOUSING CORPORATION of P.O Box 2777 DAR ES SALAAM.** (Hereinafter called "the Contractor") of the other part.

2. Whereas the Employer is desirous that the Contractor execute **TENDER No ME/007/2021-2022/HQ/W/16 PROPOSED CONSTRUCTION OF TWO STOREY OPD BUILDING FOR LIGULA RRH** Procurement under **TANZANIA COVID 19 SOCIAL 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 Two Billion Seven Hundred Million (2,700,000,000.00) VAT Inclusive** this amount is for **Phase one.**(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 of **TZS Two Billion Seven Hundred Million (2,700,000,000.00) VAT Inclusive VAT Inclusive. for the period of Five (5) 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

.....  
*Abel N. Makubi*

Signature of Authorized representative

Name..... *Prof. Abel N. Makubi*

Occupation..... *Permanent Secretary*



In the presence of

Signature..... *Rahiby A. MASHAUBO*

Name..... *RAHIBY A. MASHAUBO*

Occupation..... *Ag. Director of Legal Services*

For and on behalf of Messrs National Housing Corporation

.....  
*Nehemiah K. Mcheku*

Signature of Authorized representative

Name..... *Nehemiah K. Mcheku*

Occupation..... *Director General*

In the presence of

Signature..... *Sarah Thomas Mwasamwa*

Name..... *Sarah Thomas Mwasamwa*

Occupation..... *Ag. Director of Legal Services*

*HT*



**2. Form of Tender**

Date: 19<sup>th</sup> November, 2021

To: **Permanent Secretary,  
Ministry of Health, Community Development, Gender, Elderly and Children,  
Government City, Mtumba, Afya Road,  
P. O. Box 743, 40478  
DODOMA**

We NATIONAL HOUSING CORPORATION (NHC) offer to execute the **FOR THE PROPOSED CONSTRUCTION OF TWO STOREY OPD BUILDING AT LIGULA RRH PROCUREMENT UNDER TANZANIA COVID 19 SOCIAL ECONOMIC RECOVERY PLANT (TCRP) Tender No. ME/007/2021-2022/HQ/16** in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of **TZS 4,366,829,404.47**. In words **Four Billion, Three Hundred Sixty Six Million, Eight Hundred Twenty Nine Thousand, Four Hundred and Four and Cents Forty Seven Only, VAT Inclusive.**

The Contract shall be paid in the following currencies:

Currency	Percentage payable in currency	Rate of exchange: one foreign equals [insert local]	Inputs for which foreign currency is required
(a)			
(b)			

The advance payment required is:-

Amount	Currency
(a)	
(b)	

We declare that our tendering price did not involve agreements with other tenderers for the purpose of tender suppression.

We hereby confirm **National Construction Council (NCC)** to be the Appointing Authority, to appoint the adjudicator in case of any arisen disputes in accordance with ITT 43.1 [Adjudicator]

We are not participating, as tenderers, in more than one Tender in this tendering process other than alternative tenders in accordance with the tendering documents.



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We declare that, as tenderer(s) we do not have conflict of interest with reference to ITT 3.7 [Eligibility of Tenderers]

With reference to ITT 3.11 [Eligibility of Tenderers], it is our intention to subcontract approximately [insert the percent] percentage of the Tender /Contract Price, details of which are provided herein.

Our firm, its affiliates or subsidiaries, including any subcontractors or suppliers for any part of the contract has not been declared ineligible by the Government of the United Republic of Tanzania under Tanzania's laws or official regulations or by an act of compliance with a decision of the United Nations Security Council.

The following commissions or gratuities of fees have been paid or are to be paid by us to agents relating to this tender, and to contract execution if we are awarded the contract:-

Name and address of agent or recipient	Amount and currency	Purpose of commission or gratuity

(if none has been paid or is to be paid, state "none")

This tender and your written acceptance of it shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any Tender you receive.

We hereby confirm that this tender complies with the tender validity and Tender Security required by the tendering documents and specified in the Tender Data Sheet.

Authorized Signature: Math

Name and Title of Signatory: JULIUS MASIKU PROJECT MANAGER

Name of Tenderer: NATIONAL HOUSING CORPORATION (NHC)

Address: P.O. Box 2977, DSM



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**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><b>Ministry of Health Children</b></p> <p><b>P. O. Box 743, 40478</b></p> <p><b>Dodoma,</b></p> <p><b>Electronic mail address: ps@afya.go.tz</b></p> <p>1. The name and identification number of the Contract is  MOHCDGEC/2021/2022/HQ/W/16</p> <p>The Commencement Date shall be <b>Seven days after site possession</b></p> <p>The Intended Completion Date for the whole of the Works shall be <b>5 months after signing of contract</b></p> <p>The Site is located at Mtwara And is defined in drawings.</p>

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: 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 <b>English</b> The law that applies to the Contract is the Laws of Tanzania
5	7.1	Address for communication Employer's: <b>Ministry of Health</b> <b>Government City,</b> <b>P.O. Box 743, 40478</b> <b>Dodoma.</b> Contractor's <b>NATIONAL HOUSING CORPORATION</b> <b>P.O Box 2977</b> <b>Dar es salaam</b>
6	12.1	Include the Schedule of Key Personnel i. Site Agent ii. Assistance Site Agent iii. Foreman/Civil Technician
7	16.1	The minimum insurance covers for shall be; (a) for loss or damage to the Works, Plant and Materials: <b>TZS 50,000,000.00 (Tanzanian Shillings Fifty Million only)</b> (b) For loss or damage to Equipment: <b>TZS. 30,000,000 (Tanzanian Shillings Thirty Million only)</b>

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		<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 shall be as per rules of NCC</p> <p>Types of reimbursable expenses to be paid to the Adjudicator include:</p> <ul style="list-style-type: none"> <li>• Accommodation Allowance to be determined by NCC</li> </ul>

		<ul style="list-style-type: none"> <li>• Transport T.Shs to be determined by NCC per kilometer while at arbitration place using a private car</li> <li>• Transport to and from Mtwara.</li> </ul>
11	30.4	<b>Arbitration will take place at DODOMA in accordance with rules and regulations published by The National Construction Council (NCC) Tanzania</b>
12.	32.1	Appointing Authority for the Adjudicator is <b>The National Construction Council (NCC) of Tanzania</b>
		<b>B. Time Control</b>
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 <b>30 days</b>.</p> <p>The amount to be withheld for late submission of an updated Program is <b>TZS 250,000.00</b> per week. Nonrefundable to Contractor.</p>
		<b>C. Quality Control</b>
15.	42.1	The Defects Liability Period is <b>365 days</b> .
		<b>D. Cost Control</b>
16	50.7	Minimum amount of Interim Payment Certificate will be <b>N/A</b>
17	53.1	Site possession will be 7 days after signing of contract
18.	52.1	The currency is <b>Tanzania Shillings</b>
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 <b>10%</b> of value of works of Interim Payment Certificate'.

		Limit of retention: 5% of contract price
21.	57.1	The amount of liquidated damages is <b>0.1 percent of contract price per day.</b>
	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	The amount of advance payment shall be 50% per cent of the contract sum payable within 28 days after certification by Project Manager and upon submission of advance payment guarantee.  Monthly Recovery of Advance Payments will be 20 % 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.
25.	60.1	The Performance Security shall:  (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.
26.	64.1	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  <b>E. Discharge of the contract</b>
27.	66.2	The date by which "as built" drawings are required is 60 days after



	<p>substantial completion of works.</p> <p>The amount to be withheld for failing to produce "as built" drawings by the date required is TShs. 100,000.00 per day.</p> <p>The amount to be withheld for failing to produce operating and maintenance manuals by the date required is TZS 100,000/-</p>
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**GENERAL CONDITIONS OF CONTRACT**

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<p>1.</p>	<p>1.1</p>	<p>The following words and expressions shall have the meanings hereby assigned to them:</p> <p>The <b>Adjudicator</b> 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 <b>Arbitrator</b> 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><b>Bill of Quantities</b> -means the priced and completed Bill of Quantities forming part of the Tender.</p> <p><b>Compensation Events</b> are those events provided for in GCC 53 [Compensation Events]</p> <p>The <b>Completion Date</b> 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 <b>Contract</b> 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 <b>Contractor</b> 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.

		<p><b>Force Majeure</b> 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 <b>Works</b> are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the <b>SCC</b>.</p>
2. Interpretation	2.1	<p>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.</p>
	2.2	<p>If sectional completion is specified in the <b>Special Conditions of Contract</b>, 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).</p>

	2.3	<p>The documents forming the Contract shall be interpreted in the following order of priority:</p> <ol style="list-style-type: none"><li>(1) Form of Contract</li><li>(2) Form of Tender</li><li>(3) Special Conditions of Contract,</li><li>(4) General Conditions of Contract,</li><li>(5) Letter of Notification</li><li>(6) Letter of Acceptance,</li><li>(7) Negotiation Minutes</li><li>(8) Price of Bill of Quantities</li><li>(9) Drawings,</li></ol>
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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"> <li>(a) These persons shall be jointly and severally liable to the Employer for the performance of the Contract;</li> <li>(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</li> <li>(c) The Contractor shall not alter its composition or legal status without the prior consent of the Employer.</li> </ul>
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



		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	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:  (a) loss of or damage to the Works, Plant, and Materials;  (b) loss of or damage to Equipment;  (c) loss of or damage to property (except the Works, plant, Materials, and Equipment) in connection with the Contract; and  (d) personal injury or death.
	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.

	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

		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.

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

		eight (28) days from the notice date, use their best efforts to settle the dispute amicably through mutual consultations and negotiation. Any unsolved dispute may be referred by either party to an adjudicator nominated by the appointing Authority specified in the SCC.
	30.2	After the dispute has been referred to the adjudicator, within 30 days, or within such other period as may be proposed by the Parties, the Adjudicator shall give its decision. The rendered decision shall be binding to the Parties.
	30.3	If either Party is dissatisfied with the Adjudicator's decision may, within days specified in the SCC refer the dispute for arbitration. If either party within the period mentioned in the SCC has not referred the matter for arbitration the decision shall become final and binding to the Parties.

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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>B. Time Control</b>
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

		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

		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.

C. Quality Control		
40. Identifying Defects	40.1	The Project Manager shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities.
	40.2	The Project Manager may instruct the Contractor to search for a Defect and to uncover and test any work that the Project Manager considers may have a Defect.
41. Tests	41.1	The Project Manager may instruct the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and in the event the test shows that it does, the Contractor shall pay for the test and any samples thereof. If there is no Defect, the test shall be a Compensation Event.
42. Correction of Defects	42.1	The Project Manager shall give notice to the Contractor of any Defects before the end of the Defects Liability Period stated in the SCC, which begins from the Completion Date.
43. Extension of Defect Liability Period	43.1	Every time notice of a Defect is given, the Contractor shall correct the notified Defect(s) within the period of time specified in the Project Manager's notice.
	43.2	The Defects Liability Period may be extended by the Project Manager for as long as Defects remain to be corrected.

44. Uncorrected Defects	44.1	In the event the Contractor has not corrected a Defect(s) within the time specified in the Project Manager's notice, the Project Manager will assess the cost of having the Defect corrected, including any other related cost(s) and the Contractor will pay the said cost.
		<b>D. Cost Control</b>
45. Bill of Quantities	45.1	The Bill of Quantities shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.
	45.2	The Bill of Quantities is used to calculate the Contract Price. The Contractor shall be paid for the quantity of the work done at the rate in the Bill of Quantities for each item.
46. Changes in the Quantities	46.1	If the final quantity of the work done differs from the quantity in the Bill of Quantities for the particular item by more than 25 percent, provided the change exceeds 1 percent of the Initial Contract Price, the Project Manager shall adjust the rate to allow for the change.
	46.2	The Project Manager shall not adjust rates from changes in quantities if thereby the Initial Contract Price is exceeded by more than 15 percent, except with the prior approval of the Employer.
	46.3	If requested by the Project Manager, the Contractor shall provide the Project Manager with a detailed cost breakdown of any rate in the Bill of Quantities.

47. Variations	47.1	All Variations shall be included in updated Work Programs produced by the Contractor.
48. Payments for Variations	48.1	The Contractor shall provide the Project Manager with a quotation for carrying out the Variation when requested to do so by the Project Manager. The Project Manager shall assess the quotation, which shall be given within seven days of the request or within any longer period stated by the Project Manager and before the Variation is ordered.
	48.2	If the work in the Variation corresponds with an item description in the Bill of Quantities and if, in the opinion of the Project Manager, the quantity of work is not above the limit stated in GCC 44.1 [Uncorrected Defects] or the timing of its execution do not cause the cost per unit of quantity to change, the rate in the Bill of Quantities shall be used to calculate the value of the Variation. If the cost per unit of quantity changes, or if the nature or timing of the work in the Variation does not correspond with items in the Bill of Quantities, the quotation by the Contractor shall be in the form of new rates for the relevant items of Work.
	48.3	If the Contractor's quotation is unreasonable, the Project Manager may order the Variation and make a change to the Contract Price, which shall be based on the Project Manager's own forecast of the effects of the Variation on the Contractor's costs.
	48.4	If the Project Manager decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.

	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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	50.6	The Project Manager may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.
	50.7	The Project Manager shall not be bound to certify any payment, if the net amount, after all retentions and deductions would be less than minimum amount of Interim Payment Certificate stated in the SCC.
51. Payments	51.1	Payments shall be adjusted for deductions for advance payments and retention. The Employer shall pay the Contractor the amounts certified by the Project Manager within 28 days of the date of each certificate. If the Employer makes a late payment the Contractor shall be paid interest on the late payment in the next payment. Interest shall be calculated from the date by which the payment should have been made up to the date when the late payment is made at the prevailing rate of interest issued by the Bank of Tanzania on the date of Contract signature for each of the currencies in which payments are made.
	51.2	If an amount certified is increased in a later certificate or as a result of an award by the Adjudicator or an Arbitrator, the Contractor shall be paid interest upon the delayed payment as set out in this clause. Interest shall be calculated from the date upon which the increased amount would have been certified in the absence of dispute.
	51.3	Unless otherwise stated, all payments and deductions will be paid or charged in the proportions of currencies comprising the Contract Price.

	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

<p>53. Compensation Events</p>	<p>53.1</p>	<p>The following shall be Compensation Events:</p> <ul style="list-style-type: none"> <li>(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the <b>Special Conditions of Contract</b>.</li> <li>(b) The Employer modifies the Schedule of Other Contractors in a way that affects the work of the Contractor under the Contract.</li> <li>(c) The Project Manager orders a delay or does not issue Drawings, Specifications, or instructions required for execution of the Works on time.</li> <li>(d) The Project Manager instructs the Contractor to uncover or to carry out additional tests upon work, which is then found to have no Defects.</li> <li>(e) The Project Manager unreasonably does not approve a subcontract to be let.</li> <li>(f) Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of the Letter of Acceptance from the information issued to Tenderers (including the Site Investigation Reports), from information available publicly and from a visual inspection of the Site.</li> <li>(g) The Project Manager gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.</li> <li>(h) Other contractors, public authorities, utilities, or the Employer does not work within the dates and other constraints stated in the Contract, and they cause delay or extra cost to the Contractor.</li> </ul>
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		<p>(i) The advance payment is delayed.</p> <p>(j) The effects on the Contractor of any of the Employer's Risks.</p> <p>(k) The Project Manager unreasonably delays issuing a Certificate of Completion.</p> <p>(l) Other Compensation Events described in the Contract or determined by the Project Manager shall apply.</p>
	53.2	If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date shall be extended. The Project Manager shall, upon consultation with Employer, decide whether and by, how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.
	53.3	As soon as information demonstrating the effect of each Compensation Event upon the Contractor's forecast cost has been provided by the Contractor, it shall be assessed by the Project Manager, if agreed by the Employer, the Contract Price may be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Project Manager in consultation with Employer shall adjust the Contract Price based on the Project Manager's own forecast.
	53.4	The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor's not having given early warning notice or not having cooperated with the Project

		Manager.
52. Effect of Changes in Tax Laws	54.1	The Project Manager shall adjust the Contract Price if taxes, duties, and other levies are changed between the date 28 days before the submission of Tenders for the Contract and the date of the last Completion certificate.
	54.2	The adjustment shall be the change in the amount of tax payable by the Contractor, provided such changes are not already reflected in the Contract Price or are a result of GCC 55 [Price Adjustment].
	54.3	In the event that the Laws Governing Taxes, Duties and other levies have changed between the signature date and the last completion certificate thereby affecting the Contract Price, the Employer and the Contractor, shall mutually adjust the contract price accordingly.
53. Price Adjustment	55.1	The amounts payable to the Contractor, pursuant to GCC 50.1 [Payment Certificate], may be adjusted in respect of the rise or fall in the cost of labour, Contractor's Equipment, Plant, materials, and other inputs to the Works, by applying to such amounts the formulae prescribed in this clause.
	55.2	To the extent that full compensation for any rise in costs to the Contractor is not covered by the provisions of this or other clauses in the Contract, the unit rates and prices included in the Contract shall be deemed to include amounts to cover the contingency of such other rise of costs.

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**'.

$$F = PnxPc$$

where;

		<p>The effective value <math>P_c</math> 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"> <li>• any amount for payment or repayment of any advance payment;</li> <li>• any amount for materials on site (if any);</li> <li>• any amounts for nominated sub-contractors (if any)</li> <li>• any amounts for any other items based on actual cost or current prices; or</li> <li>• any sums for increase or decreases in the Contract Price paid under GCC 55.3</li> </ul> <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 <b>Appendix to Tender</b>, 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 <b>Appendix to Tender</b>, 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>



		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 <b>Appendix to Tender</b> 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.

54. Retention	56.1	The Employer shall retain from each payment due to the Contractor the proportion stated in the <b>Special Conditions of Contract</b> . The total amount of retention shall not exceed the amount specified in the <b>Special Conditions of Contract</b>
	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 <b>SCC</b> 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 <b>SCC</b> . 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

		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 <b>Special Conditions of Contract</b> 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.

	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.

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.
		<b>E. Discharge of the Contract</b>

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

		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 <b>Special Conditions of Contract</b> 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"> <li>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;</li> <li>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;</li> <li>c) contractor's failure to submit performance security within the time stipulated in the SCC;</li> <li>d) the Employer or the Contractor is declared bankrupt or goes into liquidation other than for a reconstruction or amalgamation;</li> </ul>

- e) a payment certified by the Project Manager is not paid by the Employer to the Contractor after 84 days from the date of the Project Manager's certificate;
- f) Failure of the Contractor to correct the defect after lapse of time specified in the notice to correct defects issued by the Project Manager.;
- g) where the Contractor fails to furnish and maintain the required Site Security pursuant to GCC 33.1 [Security of the Site];
- h) The Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, as defined in the SCC; and
- i) if the Employer determines, based on the reasonable evidence, that the Contractor has engaged in corrupt, coercive, collusive, obstructive or fraudulent practices, in competing for or in executing the Contract.

For the purpose of this paragraph:

"corrupt practice means the offering, giving receiving or soliciting of anything of value to influence the action of a public officer in the procurement process or contract execution;

"coercive practice" means impairing or harming, or threatening to impair or harm directly or indirectly, any party or the property of the party for the purpose of influencing improperly the action or that party in connection with public procurement or in furtherance of corrupt practice or fraudulent practice;

collusive practices" means impairing or



		<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.

66. Payment upon Termination of Contract	68.1	If the Contract is terminated because of a fundamental breach by the Contractor, the Project Manager shall issue a certificate for the value of the work done and Materials ordered less advance payments received up to the date of the issue of the certificate and less the percentage to apply to the value of the work not completed. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable to the Employer.
	68.2	If the Contract is terminated for the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Project Manager shall issue a certificate for the value of the work done, Materials ordered, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works, and less advance payments received up to the date of the certificate.

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

	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.

	68.1	The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the Works, is [percent].
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LETTER OF NOTIFICATION TO AWARD



LETTER OF ACCEPTANCE



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  
Afya Street  
P. O. Box 743  
40478 DODOMA

Ref. No. CAB 209/549/01/232

6<sup>th</sup> January, 2022

NATIONAL HOUSING CORPORATION  
P.O Box 2977  
DAR ES SALAAM.

**RE: NOTIFICATION OF CONTRACT AWARD FOR TENDER NO.  
ME/007/2021-2022/HQ/W/16 PROPOSED CONSTRUCTION OF TWO  
STOREY OPD BUILDING AT LIGULA RRH PROCUREMENT UNDER  
TANZANIA COVID 19 SOCIAL 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/16** submitted was approved by Ministerial Tender Board held on 30<sup>th</sup> 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 Shillings Two Billion Seven Hundred Million (2,700,000,000) VAT Inclusive** for the period of 6 calendar months after site possession this amount is for Phase one.

Thank you for your cooperation.

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

Tumainiel E. Macha  
**ACTING PERMANENT SECRETARY (HEALTH)**



**Copy:** Chief Executive Officer  
Public Procurement Regulatory Authority  
P. O. Box 2865  
**Dodoma**

**Copy :** The Controller and Auditor General  
P. O. Box 950  
**Dodoma**

**Copy :** Attorney General  
Attorney General Chambers  
Ministry of Justice and Constitutional  
Affairs  
P. O. Box 630  
**Dodoma.**

**Copy :** Director  
Technical Audit Unit  
Ministry of Finance  
P. O. Box 2802  
**Dodoma**

**Copy :** Internal Auditor General  
Ministry of Finance and Planning  
P. O. Box 2802  
**Dodoma**

**Copy :** Regional Manager,  
Tanzania Revenue Authority,  
P.O.Box 679  
**Dodoma**



Ref No: NHC/GEN/419/VOL. XIV/75/GDM

18<sup>th</sup> January, 2022

Ag. Permanent Secretary,  
Ministry of Health, Community Development, Gender, Elderly and Children,  
P.O. Box 743,  
40478 Dodoma.

Dear Sir,

**RE: TENDER NO. ME/007/2021-2022/HQ/W/16 FOR PROPOSED CONSTRUCTION OF TWO STOREY OPD BUILDING AT LIGULA RRH PROCUREMENT UNDER TANZANIA COVID 19 SOCIAL ECONOMIC RECOVERY PLAN (TCRP)**

Refer to the heading above and your letter with Reference No. CAB 209/549/01/232 dated 06<sup>th</sup> January, 2022.

We acknowledge receipt of Notification of award for the project referred above with the Contract price of TZS. 2,700,000,000.00 (Tanzania Shilling Two Billion Seven Hundred Million Only) VAT Inclusive for Phase One (I).

With this letter, we would like to inform your good office that the notification has been accepted and we are looking forward to Contract signing.

Thank you for your cooperation.

Yours faithfully,

**NATIONAL HOUSING CORPORATION**

  
.....  
William Genya

Ag. DIRECTOR GENERAL

19/01/2022

*Handwritten initials*

NEGOTIATION MINUTES

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**NEGOTIATION MINUTES FOR THE PROPOSED CONSTRUCTION OF OPD BUILDING AT LIGULA  
REGIONAL REFERRAL HOSPITAL - MTWARA**

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**Project Name:** IMF PROJECT UNDER COVID 19

**Conducted On:** 17<sup>th</sup> December, 2021

**Venue:** NHIF Building – Ministry's Office

**SUBJECT OF PROCUREMENT: PROPOSED CONSTRUCTION OF OPD BUILDING AT LIGULA  
REGIONAL REFERRAL HOSPITAL - MTWARA**

Attendance

S/N	Name	Title	Organization	Position
1	Eng. Anthony Mkhotya	EEII	MOHCDGEC	Chairperson
2	Qs Benedictor Wazaely	QS	NHC	Member
3	Isdora Ndunguru	QS	NHC	Member
4	Charles E. Makungu	QS	NHC	Member
5	Arch. Adrian Irongo	Architect	MOHCDGEC	Member
6	Josephat Kakeneno	Supplies Officer	MOHCDGEC	Member

NEGOTIATION MINUTES FOR THE PROPOSED CONSTRUCTION OF OPD BUILDING AT LIGULA  
REGIONAL REFERRAL HOSPITAL - MTWARA

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**PROPOSED AGENDA FOR THE NEGOTIATION MEETING**

1. Opening of the Meeting
2. Introduction and adoption of Agenda.
3. Discussion on the Contract Parameters
  - i). Scope of Assignment
  - ii). Contract Price
  - iii). Compensation Event
  - iv). Payment Modality
  - v). Liabilities
  - vi). Securities
  - vii). Staffing
  - viii). Work Duration
  - ix). Mobilization
  - x). Work schedule
  - xi). Taxation
4. AOB.
5. Closing of the meeting

**NEGOTIATION MINUTES FOR THE PROPOSED CONSTRUCTION OF OPD BUILDING AT LIGULA  
REGIONAL REFERRAL HOSPITAL - MTWARA**

<b>S/N</b>	<b>PARTICULARS</b>	<b>DESCRIPTION</b>	<b>ACTION</b>
1	<b>Opening of meeting.</b>	Chairperson of the meeting called the meeting to order at 11:00hrs by welcoming remark to attendants.	Chairperson
2	<b>Introduction and Adoption of Agenda</b>	<ul style="list-style-type: none"> <li>• Member were self-introduced and hence the meeting was formed by the team from Client side (<b>MOHCDGEC</b>) and Contractor side (<b>M/S National Housing Corporation</b>)</li> <li>• Negotiation parameters were shared to the team and accepted for further discussion and Negotiation.</li> </ul>	All
3	<b>Discussion on Contract Parameters</b>	<p><b>i). Scope of Assignment</b></p> <p>It was confirmed that the contractor understands clearly the scope of the project and agrees to be liable to execute the project as per descriptions in the Tender Document.</p> <p><b>ii). Contract Price</b></p> <p>The corrected bid price was <b>TZS 4,285,480,204.00 VAT Inclusive</b> after agreeing on a discount of <b>4.67%</b> of the contract price which is equivalent to <b>TZS. 200,131,925.53/=</b> of the corrected bid Price, the agreed contract price is <b>TZS. 4,085,348,278.47 VAT Inclusive</b> with the execution duration of Ten (10) Months from the date of signing the contract.</p> <p>However, it was it was agreed that this contract will be executed in Two (2) phases as described below:</p>	<p>Inf</p> <p>info</p>

RW

**NEGOTIATION MINUTES FOR THE PROPOSED CONSTRUCTION OF OPD BUILDING AT LIGULA  
REGIONAL REFERRAL HOSPITAL – MTWARA**

<b>S/N</b>	<b>PARTICULARS</b>	<b>DESCRIPTION</b>	<b>ACTION</b>
		<p>a) <u>Phase I</u> Phase I will be performed within 5 Months from the date of site possession covering the Budget of TZS. 2,700,000,000/= This Phase will be funded by IMF.</p> <p>b) <u>Phase II</u> Phase II will be executed after completion of Phase I and will be executed within Five (5) Months as it will be agreed. This phase will cover the remaining Budget of TZS. <b>1,385,348,278.47</b> which will be paid the GoT.</p> <p><b>iii). Compensation event</b>  It was agreed that contractor shall allow for 10% increase for the remaining works which falls under phase II and extends beyond December 2021.</p> <p><b>iv). Payment Modality</b></p> <p>a) 50% of TZS 2.7 Billion as advance payment upon submission of advance payment bond in the form of Unconditional Bank Guarantee</p> <p>b) Recovery for Advance payment will 20% of the advance payment amount paid in each Certificate.</p> <p>c) Payment threshold of the IPC should amount to 200,000,000/=</p> <p>d) 5% (Retention Money) that supposed to be paid upon completion of Defect Liability Period will be paid at Practical Completion</p>	<p align="center">Info</p>

BW

**NEGOTIATION MINUTES FOR THE PROPOSED CONSTRUCTION OF OPD BUILDING AT LIGULA  
REGIONAL REFERRAL HOSPITAL - MTWARA**

S/N	PARTICULARS	DESCRIPTION	ACTION
		<p>period whereby Contractor will be liable to submit Retention bond equals to 2.5% which was to be paid at the end of DLP</p> <p><b>v). Liabilities</b></p> <p>Contractor confirmed to be liable for all the activities to be executed at site including testing, commissioning and attending any of the damages /defects to be noted during defect liability period.</p> <p><b>vi). Securities</b></p> <p>Agreed that Contractor will submit all the necessary covers for Insurance policy</p> <p><b>vii). Staffing / Key Personnel</b></p> <p>Contractor Confirmed to have all the key personnel as per submitted list</p> <p><b>viii). Duration of the Project</b></p> <p>It was agreed that the project duration will be within 10 months from date the site possession. However, due to budget constrain, the phase II scope proposed to start immediately after practical completion of phase I and rate for the agreed contract will be valid within Five (5) months after practical Completion of phase I beyond that 10% adjustments of contact sum of the remaining works increase shall apply</p> <p><b>ix). Mobilization</b></p> <p>It was agreed that mobilization period will be seven days from the date</p>	<p>NHC &amp; MOH</p> <p>MOHCDGEC</p> <p>MOHCDGEC</p>

*BW*





**NEGOTIATION MINUTES FOR THE PROPOSED CONSTRUCTION OF OPD BUILDING AT LIGULA  
REGIONAL REFERRAL HOSPITAL - MTWARA**

<b>S/N</b>	<b>PARTICULARS</b>	<b>DESCRIPTION</b>	<b>ACTION</b>
		<p>of site possession.</p> <p><b>x). Work schedule</b></p> <p>Agreed that contractor will submit a revised works schedule within seven days after site possession.</p> <p><b>xi). Taxation</b></p> <p>Contractor confirmed to have full knowledge about the taxation involved</p> <p><b>xii). Insurance for the project</b></p> <p>It was agreed that contractor will submit insurance bond from the reputable institutions to cover for Project performance.</p>	<p>NHC</p> <p>NHC</p> <p>NHC</p>
5	<b>AOB</b>	It was agreed to enhance cooperation during implementation	ALL
7	<b>Closing of meeting</b>	The meeting was closed at 13:40hrs and the chairperson thanked all the members for their constructive comments that lead to meet the negotiation conclusion.	INFO

**NEGOTIATION MINUTES FOR THE PROPOSED CONSTRUCTION OF OPD BUILDING AT LIGULA  
REGIONAL REFERRAL HOSPITAL - MTWARA**

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**Representative members, to sign for minutes document on behalf of others and their organizations.**

<b>S/N</b>	<b>NAME OF OFFICER</b>	<b>DESIGNATION</b>	<b>INSTITUTION</b>	<b>REMARK</b>	<b>SIGNATURE</b>	<b>DATE</b>
1	Eng. Anthony Mkhotya	EEII	MOHCDGEC			17/12/2024
2	Qs Benedictor Wazaely	QS	NHC	NIL		17/12/2024

## RECORD OF NEGOTIATIONS

Name of the Procuring Entity: Ministry of Health, Community Development, Gender, Elderly and Children

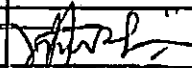


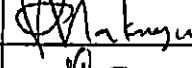
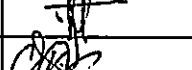
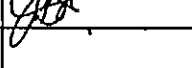
Tender ID No.: ME/007/2021-2022/HQ/

Subject of Procurement:

Method of Procurement:

Date of Negotiation:

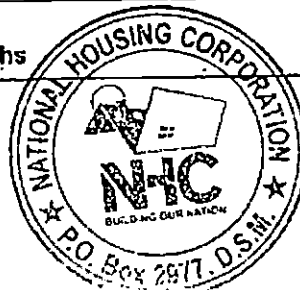
## PART 2: RECORD OF ATTENDANCE AT NEGOTIATIONS

SN	Name	Position	Name of Tenderer /Firm/Member	Signature
1.	Anthony Mkhota	Chairperson	MOHCORE	
2.	Benedict Wazely	Member	NHC	
3.	ISDORA NDUNGURU	Member	NHC	
4.	CHARLES IMAKURU	Member	NHC	
5.	Ach. Adrian Inyo	Member	MOHCORE	
6.	Josephat Katenene	Member	MOHCORE	

PRICED BILL OF QUANTITIES

Njombe Regional Hospital Phase I OPD - Preliminaries and General Matters

Item	DESCRIPTION	T. SHS
	<p>(ii) <b>Special Scaffolding (contd)</b> consideration being given to the period of the contract at which the Sub-contractor's work will be carried out.</p> <p>(iii) <b>Power.</b> The Contractor shall include for the provision of a three phase electric power supply with socket outlets reasonable adjacent to the works and for the cost of all the current.</p> <p><b>A Location of the Site</b> The site is situated in Njombe Town Council.</p> <p><b>B General Description of Works</b> The Works consist of construction of two storeys building with approximately 3715 sq.m total gross floor area for Out Patients Department and Otolaryngology and the associated external works.</p> <p>The works mainly are in reinforced concrete pad and strip foundations, columns, floor beams, suspended slabs and block-work walls. The roof is covered with troughed resin coated aluminium sheets on steel roof structure. The floors are finished with heavy duty marble tiles, walls are plastered and painted internally and rendered externally, windows are of aluminium glazed casements, doors are of hardwood panel doors and flush doors with hardwood frames and aluminium door with aluminium frame. Services mainly comprise of plumbing, electrical and air conditioning installations.</p> <p><b>C Limitation of Site</b> The Contractor will be responsible for all damages caused to existing buildings, equipment or services of the client or other person existing on the site. The Contractor's attention is particularly drawn to the fact that he will be responsible for making good any damage caused to access roads, parking areas, kerbs, landscaped areas or grading, and he will be responsible for reinstating them to their condition existing immediately prior to the commencement of the works.</p> <p>The Contractor shall comply with any reasonable request from the client in connection with the cessation of nuisance by reason of noise, dust, traffic and the like, or by neglect to control his workmen or materials.</p> <p>The Contractor shall make every effort to avoid and in any event shall be liable for any undue disturbance amounting to nuisance to the occupiers of the contiguous properties by reasons of noise, dust, traffic and the like, or by neglect to control his workmen or materials.</p> <p><b>D Preliminary Investigation</b> The Contractor shall be deemed to have visited and inspected the entire site and surroundings prior to tendering.</p>	
To Collection	T. Shs	-

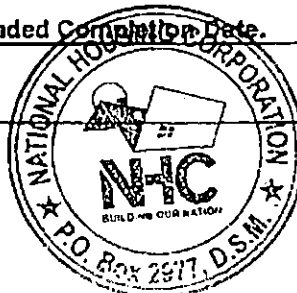


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Njombe Regional Hospital Phase I OPD - Preliminaries and General Matters

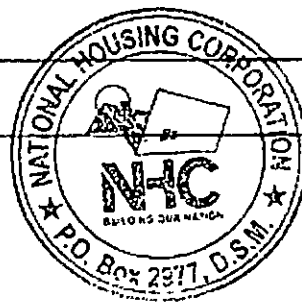
Item	DESCRIPTION	T. SHS
	<p><b>PART TWO - CONTRACT PARTICULARS</b></p> <p><b>A Law Governing Contract</b> The Contract shall be in all respects construed and operated in accordance with the Laws of Tanzania.</p> <p><b>B Conditions of Contract</b> The Contractor will be required to enter into contract which will be Agreement and Conditions of Contract referred in the bidding document.</p> <p>The Contractor is referred to the full text of the under-mentioned clauses of the Conditions of Contract and he is to allow against each clause or in his prices for any cost arising thereunder or in connection with the further amplification of the under-mentioned clauses.</p> <p><b>Clause 1: Definitions</b></p> <p><b>Clause 2: Interpretations.</b></p> <p><b>Clause 3: Language and Law</b></p> <p><b>Clause 4: Project Manager's Decision</b></p> <p><b>Clause 5: Delegation</b></p> <p><b>Clause 6: Communications</b></p> <p><b>Clause 7: Subcontracting</b></p> <p><b>Clause 8: Other Contractors</b></p> <p><b>Clause 9: Personnel</b></p> <p><b>Clause 10: Employer's and Contractor's Risks</b></p> <p><b>Clause 11: Employer's Risks</b></p> <p><b>Clause 12: Contractor's Risks</b></p> <p><b>Clause 13: Insurance</b></p> <p><b>Clause 14: Site Investigation Reports</b></p> <p><b>Clause 15: Queries about the Contract Data</b></p> <p><b>Clause 16: Contractor to Construct the Works</b></p> <p><b>Clause 17: The Works to be completed by the Intended Completion Date.</b></p>	T. SHS
To Collection	T. Shs	-



JM

**Njombe Regional Hospital Phase 1 OPD - Preliminaries and General Matters**

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

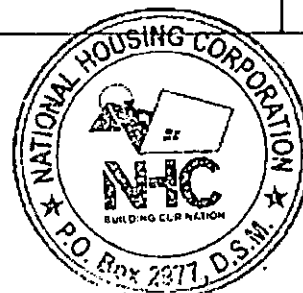


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Njombe Regional Hospital Phase I OPD - Preliminaries and General Matters

Item	DESCRIPTION	T. SHS
	<p>Clause 41: Variations</p> <p>Clause 42: Payments for variations</p> <p>Clause 43: Cash flow forecast</p> <p>Clause 44: Payment certificates</p> <p>Clause 45: Payments</p> <p>Clause 46: Compensation events</p> <p>Clause 47: Taxes</p> <p>Clause 48: Currencies</p> <p>Clause 49: Price adjustment</p> <p>Clause 50: Retention</p> <p>Clause 51: Liquidated damages</p> <p>Clause 52: Bonus</p> <p>Clause 53: Advance payment</p> <p>Clause 54: Performance securities</p> <p>Clause 55: Dayworks</p> <p>Clause 56: Cost of repairs</p> <p>Clause 57: Completion certificate</p> <p>Clause 58: Taking over</p> <p>Clause 59: Final account</p> <p>Clause 60: Operating and maintenance manuals</p> <p>Clause 61: Termination</p> <p>Clause 62: Payment upon termination of contract</p> <p>Clause 63: Property</p> <p>Clause 64: Release from performance</p> <p>Clause 65: Suspension of financing</p>	
To Collection	T. Shs	-

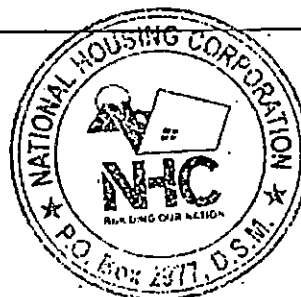


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Njombe Regional Hospital Phase I OPD - Preliminaries and General Matters

Item	DESCRIPTION	T. SHS
	<p><b>PART THREE - GENERAL MATTERS</b></p> <p><b>A Programme of Operations</b>                      The Contractor shall at the time of taking possession of site, and thereafter whenever so required by the Consultant, furnish for his information and in form approved by him, in triplicate a programme or statement, in which is clearly and explicitly set forth the sequence of all operations (including those of Sub-contractors and the date of order and supply of materials) and time limits within which the Contractor proposes that each operation shall be commenced and completed. The programme shall clearly show any special sequence of construction or completion required by this contract or subsequently agreed with the Consultant.</p> <p>The Contractor shall submit a daily progress report in triplicate to the Consultant indicating the day's progress and giving details of any delays caused by inclement weather or other reasons beyond his control. The report must include information on labour employed, and the progress of all trades, including Nominated Sub-contractors.</p> <p><b>B Contractor's Supervision</b>                      The Contractor shall provide full and adequate supervision during the progress of the works and shall keep a competent and authorised Agent or general Foreman. Approved by the Consultant (which approval may be withdrawn at any time) constantly on the works. Such authorised Agent or General Foreman shall give his all time to the supervision of the works and must be able to receive and act upon (on behalf of the Contractor) all instructions, directions or orders issued by the Consultant or his representative.</p> <p><b>C Labour</b>                      The Contractor shall provide all labour and shall include for all costs arising from the current Government regulations regarding annual leave and passages, medical facilities, public holidays, overtime, provident fund, training levy, housing levy, income tax, housing, travelling allowance, wages and salaries.                      The works are to be completed by the date of completion stated in the Appendix to Conditions of Contract, and no extra cost will be allowed in respect of overtime worked to achieve completion by the date so fixed.</p> <p><b>D Plant</b>                      The Contractor shall provide all plant, implements, tools, tackle and machinery and all carriage, freightage and whatever else may be required for the proper and efficient execution and completion of the works.</p> <p><b>E Materials</b>                      The Contractor shall supply all materials that may be required for the works (except those materials specified to be supplied by the Employer under direct purchase arrangements). The materials shall be new (unless otherwise specified) and shall be best procurable of their respective kinds. All goods and materials, unless specified, shall be in accordance with the latest British Standards current at the date of tendering. No timber used for formwork, protection or similar purposes shall be used afterwards in the permanent work.</p>	<p>45,000,000</p>
	<p>To Collection T. Shs</p>	<p>45,000,000</p>

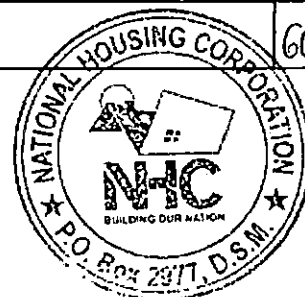


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Njombe Regional Hospital Phase I OPD - Preliminaries and General Matters

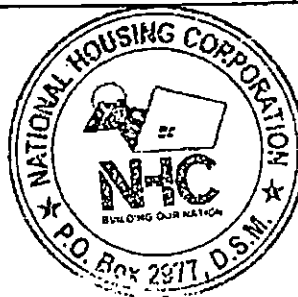
Item	DESCRIPTION	T. SHS
<p><b>A</b></p>	<p><b>Safety, Health and Welfare of Work People</b>                      The Contractor shall be responsible for and shall ensure the safety and welfare of his workpeople, and those of his Sub-contractors, Nominated Sub-contractors, Nominated Suppliers and persons 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> <p><b>B Notice and Fees</b>                      The Contractor shall give all notices in compliance with statutory authorities requirements.                      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> <p><b>C Protection of the Works</b>                      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.                      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> <p><b>D Protection of Persons and Property</b>                      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.                      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> <p><b>E Temporary Hoardings and Gantries</b>                      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>25,000,000</p> <p>15,000,000</p> <p>9,000,000</p> <p>15,000,000</p>
<p>To Collection</p>	<p>T. Shs</p>	<p>60,000,000</p>



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Njombe Regional Hospital Phase I OPD - Preliminaries and General Matters

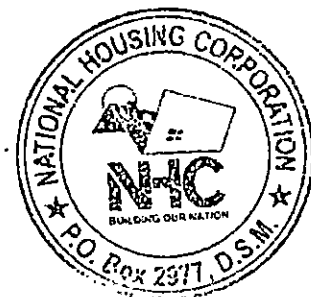
Item	DESCRIPTION	T. SHS
A	<p><b>Watching and Lighting</b> The Contractor shall provide all watching and lighting and everything else necessary by day and night for the due protection and security of the works and of the public and other persons.</p>	10,000,000
B	<p><b>Maintenance of Public and Private Roads and Services</b> The Contractor shall be responsible for all damage to roads, (whether public or private), crossovers, services and the like arising out of, or in the course of, or by reason of the execution of the works and shall be responsible for observing any by-laws or other regulations imposed by a competent authority regarding the keeping of such roads free from mud, filth, etc., arising as aforementioned.</p>	
C	<p><b>Trespass and Nuisance</b> All reasonable means shall be used to avoid inconveniencing adjoining owners and occupiers. No workmen or plant employed on the works shall be allowed to trespass upon adjoining properties. If the execution of the works requires that workmen or plant must enter upon adjoining property, the necessary permission shall be first obtained by the Contractor who shall see that these instructions are carried out. The Contractor shall indemnify the Employer against any claim or action for damages on account of any trespass or other misconduct of the Contractor's employees.</p> <p>The Contractor shall not obstruct any public way or otherwise do or cause to be done anything which may amount to a nuisance or annoyance, and shall not interfere with any right of way or right to adjoining property, and any notice received by him or left upon the site requiring the discontinuance or suspension of any part of the works shall at once be forwarded by him to the Architect or, if given verbally, shall at once be communicated by him to the Architect in writing, and the Contractor shall keep the Employer indemnified against any claim or loss consequent upon any act, neglect or omission of the Contractor or his agents, servants or workmen in this respect.</p>	
D	<p><b>Police Regulations</b> The Contractor shall at all times observe any police regulations including those regarding the loading or unloading of or waiting by vehicles on the public highway and the Contract Sum shall be deemed to include for strict compliance therewith.</p>	
E	<p><b>Water for the Works</b> The Contractor shall at his own expense provide on the site a plentiful supply of piped clean water for the works.</p> <p>The Contractor shall also provide and install all necessary temporary services, pipe runs, cocks, storage etc. that may be required and connect up the temporary services at such point or points and in such a manner as may be approved by the Consultant. 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 water used for the works.</p>	12,000,000
	<p>To Collection T. Shs</p>	22,000,000



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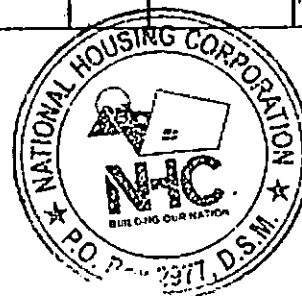
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**BILL NR. 2 – MEASURED WORK**



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Item	Descriptions	Qty	Unit	Rate	Amount in Tsbs
<b>ELEMENT NR. 1: SUBSTRUCTURE (PROVISIONAL)</b>					
<b>EXCAVATION AND EARTHWORKS</b>					
A	Clear site of bushes, scrub, undergrowth and the like including grubbing up their roots	2010	m <sup>2</sup>	900	1,809,000
B	Excavate oversite average 200mm deep to remove top soil, convey average 50 linear meters and deposit in temporary spoil heaps	2010	m <sup>2</sup>	1,000	2,010,000
C	Excavate foundation trenches commencing at stripped level and not exceeding 1.50meters deep	544	m <sup>3</sup>	4,500	2,448,000
D	Excavate pit for column, lift bases and the like, commencing at stripped level and not exceeding 1.50meters deep	1076	m <sup>3</sup>	4,500	4,842,000
E	Extra over any kind of excavation for breaking up rock and the like	16	m <sup>3</sup>	25,000	400,000
F	Earth filling of selected imported excavated material well rammed and consolidated around foundations	1083	m <sup>3</sup>	37,000	40,071,000
G	300mmn Thick earth filling of imported selected excavated material, well rammed and consolidated to make up levels under floors	1358	m <sup>2</sup>	11,100	15,073,800
H	Ditto; with surfaces graded to falls (ramps)	4	m <sup>2</sup>	11,100	44,400
J	Load up surplus excavated material and remove from site	537	m <sup>3</sup>	5,200	2,792,400
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		1,500,000
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		1,500,000
	To collection				72,440,600



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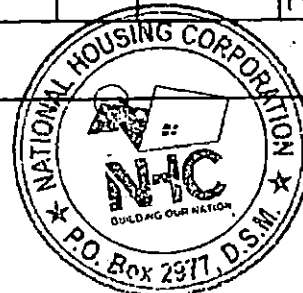
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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>SUBSTRUCTURE (Cont'd)</b>					
<b>Hardcore</b>					
A	200mm Bed levelled and blinded to receive damp proof membrane	1358	m <sup>2</sup>	17,500	23,765,000
B	Ditto; with surfaces graded to falls (ramps)	4	m <sup>2</sup>	17,500	70,000
<b>Soil sterilization</b>					
C	"Gammalin" solution or any other equal and approved type applied at a rate of 7 litres per square metre to hardcore beds	1362	m <sup>2</sup>	4,000	5,448,000
D	"Gammalin" 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	2,500	790,000
<b>CONCRETE WORK</b>					
<b>Plain Concrete grade "10"</b>					
E	50mm Blinding	311	m <sup>2</sup>	11,000	3,421,000
<b>Plain concrete Grade "15"</b>					
F	Foundations	160	m <sup>3</sup>	240,000	38,400,000
<b>Reinforced concrete grade '30' with cube strength at 28 days; 25N/mm; including vibrating around reinforcement</b>					
G	Isolated column bases	135	m <sup>3</sup>	345,000	46,575,000
H	Lift base	6	m <sup>3</sup>	345,000	2,070,000
J	Columns	15	m <sup>3</sup>	345,000	5,175,000
K	Ground beams	31	m <sup>3</sup>	345,000	10,695,000
	<b>To collection</b>				136,409,000



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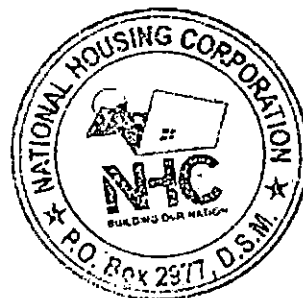
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>SUBSTRUCTURE (Cont'd)</b>				
	<b>CONCRETE WORK</b>				
	Reinforced concrete grade '30' with cube strength at 28 days; 25N/mm; including vibrating around reinforcement				
A	150mm Thick lift wall	14	m <sup>2</sup>	51,750	724,500
B	150mm Thick bed	1565	m <sup>2</sup>	51,750	80,988,750
C	150mm Thick ramp	4	m <sup>2</sup>	51,750	207,000
	<b>Reinforcement</b>				
	<b>Steel fabric reinforcement BS 252</b>				
D	Square mesh fabric ref. A193 weighing 2.22Kg per square metres	1569	m <sup>2</sup>	20,000	31,380,000
	<b>High tensile steel bars reinforcement to BS 4466:1969 with a minimum yield stress of 460N/mm</b>				
E	20mm Diameter bars	4462	kg	3,700	16,509,400
F	12mm Diameter bars	7300	kg	3,700	27,010,000
G	Assorted bars (Lift wall below plinth level, Provisional)	336	kg	3,700	1,243,200
	<b>Mild steel round bars reinforcement to BS 4466:1969 with a minimum yield stress of 250N/mm</b>				
H	8mm Diameter bars	2280	kg	3,700	8,436,000
	To collection				166,498,850



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>SUBSTRUCTURE (Cont'd)</b>					
<b>CONCRETE WORK</b>					
Sawn formwork to:					
A	Vertical or battering sides of foundations, column bases and the like.	403	m <sup>2</sup>	19,000	7,657,000
B	Vertical or battering sides of columns	204	m <sup>2</sup>	19,000	3,876,000
C	Vertical or battering sides of lift wall	28	m <sup>2</sup>	19,000	532,000
D	Vertical or battering sides of ground beams	271	m <sup>2</sup>	19,000	5,149,000
E	Vertical edges of beds over 75mm but not exceeding 150mm high	316	m	2,850	900,600
<b>WALLING</b>					
Solid concrete blocks to BS 2828 type 'A' bedded and jointed in cement mortar (1:3)					
F	230mm Wall	1038	m <sup>2</sup>	44,000	45,672,000
Damp-proof Courses					
G	Hessian based bitumen damp proof course to BS 743 type 5A 230mm wide laid horizontally on blockwork	902	m	2,500	2,255,000
H	500 Gauge polythene damp proof membrane laid over blinded hardcore bed (measured separately)	1362	m <sup>2</sup>	3,500	4,767,000
To collection					70,808,600





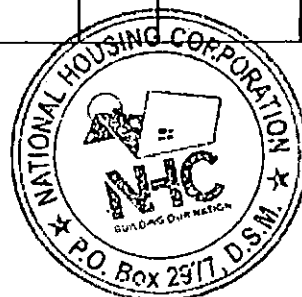
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>SUBSTRUCTURE (Cont'd)</b>					
Sundries					
A	12mm Cement and sand (1:3) external rendering to concrete or blockwall	142	m <sup>2</sup>	7,500	1,065,000
B	Prepare and apply two coats of black bituminous paint on rendered or concrete surface, externally	142	m <sup>2</sup>	6,000	852,000
<b>To collection</b>					1,917,000
<b>COLLECTION</b>					
	Page 2/1/1				72,490,600
	Page 2/1/2				136,409,000
	Page 2/1/3				166,498,800
	Page 2/1/4				70,808,600
	Page 2/1/5				1,917,000
<b>ELEMENT NR. 1: SUBSTRUCTURE CARRIED TO SUMMARY OF BILL NR. 2</b>					448,124,000



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ELEMENT NR. 2: FRAME</b>					
<b>CONCRETE WORK</b>					
Reinforced concrete grade '30' with cube strength at 28 days; 25N/mm; including vibrating around reinforcement					
A	Columns	74	m <sup>3</sup>	345,000	25,530,000
B	Horizontal and sloping beams not exceeding 15 degrees from horizontal	136	m <sup>3</sup>	345,000	46,920,000
C	150mm Thick horizontal suspended floor slabs	1472	m <sup>2</sup>	51,750	76,176,000
C	150mm Thick horizontal suspended roof slab	47	m <sup>2</sup>	51,750	2,432,250
D	150mm Thick lift walls	59	m <sup>2</sup>	51,750	3,053,250
E	Sunshading-copping/canopy ( <i>Provisional</i> )	13	m <sup>3</sup>	345,000	4,485,000
<b>Reinforcement</b>					
High tensile steel bars reinforcement to BS 4466:1969 with a minimum yield stress of 460N/mm					
F	20mm Diameter bars	9140	kg	3,700	33,818,000
G	16mm Diameter bar	17456	kg	3,700	64,587,200
H	12mm Diameter bars	28123	kg	3,700	104,055,100
J	Assorted bars ( <i>Sunshading, Provisional</i> )	2033	kg	3,700	7,522,100
Mild steel round bars reinforcement to BS 4466:1969 with a minimum yield stress of 250N/mm					
K	8mm Diameter bars	5921	kg	3,700	21,907,700
	To collection				390,486,600



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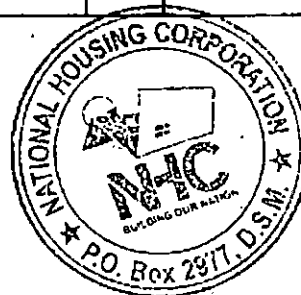
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
FRAME (Cont'd)					
CONCRETE WORK					
Sawn formwork to:					
A	Horizontal soffits of suspended slab	1337	m <sup>2</sup>	19,000	25,403,000
B	Vertical or battering sides of columns	982	m <sup>2</sup>	19,000	18,658,000
C	Vertical or battering sides of lift walls	117	m <sup>2</sup>	19,000	2,223,000
D	Sides and soffits of horizontal beams	1545	m <sup>2</sup>	19,000	29,355,000
E	Sides and soffits of openings in wall	2	m <sup>2</sup>	19,000	38,000
F	Vertical edges of suspended slab over 75mm but not exceeding 150mm high	324	m	2,890	923,400
G	Sides and soffits of sunshading canopy (Provisional)	146	m <sup>2</sup>	19,000	2,774,000
To collection					79,374,400
COLLECTION					
Page 2/2/1					390,486,600
Page 2/2/2					79,374,400
ELEMENT NR. 2: FRAME CARRIED TO SUMMARY OF BILL NR. 2					469,861,000



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ELEMENT NR. 3: STAIRS</b>					
<b>CONCRETE WORK</b>					
Reinforced concrete grade '30' with cube strength at 28 days; 25N/mm; including vibrating around reinforcement					
A	Stairs	10	m <sup>3</sup>	345,000	3,450,000
B	Horizontal and sloping beams not exceeding 15 degrees from horizontal	1	m <sup>3</sup>	345,000	345,000
C	150mm Horizontal suspended landing	29	m <sup>2</sup>	51,750	1,500,750
<b>Reinforcement</b>					
High tensile steel bars reinforcement to BS 4466:1969 with a minimum yield stress of 460N/mm					
D	16mm Diameter bars	1519	kg	3,700	5,620,300
E	12mm Diameter bars	538	kg	3,700	1,990,600
<b>Sawn formwork to:</b>					
F	Sides and soffits of horizontal beams	13	m <sup>2</sup>	19,000	247,000
G	Horizontal soffits of suspended landings	26	m <sup>2</sup>	19,000	494,000
H	Sloping soffits of stairs	43	m <sup>2</sup>	19,000	817,000
J	Vertical risers over 150mm but not exceeding 225mm high	126	m	4,275	538,650
<b>To collection</b>					<b>15,003,300</b>



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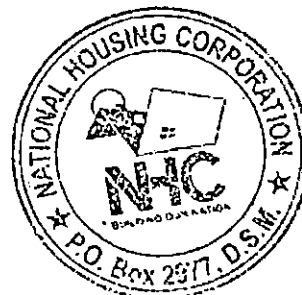
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>STAIRS (Cont'd)</b>				
	<b>CONCRETE WORK</b>				
	Sawn formwork to:				
A	Vertical edges of landing over 75mm but not exceeding 150mm high	36	m	2,850	102,600
B	Vertical sides of stair string 330mm (extreme) high including cutting to profile of treads and risers	41	m	6,270	257,070
	<b>BALUSTRADE (PROVISIONAL)</b>				
	<b>METAL WORK</b>				
	Mild steel				
C	75mm Diameter round hollow section PVC coated handrail welded to vertical balusters	33	m	10,500	346,500
D	50mm Diameter circular hollow section middle rail welded to vertical balusters	33	m	5,000	165,000
E	50x50mm Rectangular hollow section balusters 900mm high with top ends welded to handrail and bottom ends embedded to concrete	40	nr	8,750	350,000
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	16,250	65,000
G	165x50x5mm Thick angle section plate welded to top of corner baluster	4	nr	24,750	99,000
	<b>To collection</b>				1,385,170



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>STAIRS (Cont'd)</b>				
	<b>BALUSTRADE (PROVISIONAL)</b>				
	<b>METAL WORK</b>				
	<b>Mild steel</b>				
A	125x200x5mm Thick plate welded to baluster and bolted to concrete	4	nr	5,000	20,000
B	275mm long x 20mm Diameter rods welded to baluster	8	nr	2,000	16,000
C	20mm Diameter anchor bolt, 300mm long complete with nuts and washer	8	nr	6,500	52,000
	<b>Stainless steel</b>				
D	5mm Thick bracket cut to shape welded to baluster	8	nr	45,000	360,000
	<b>Moulded Hardwood</b>				
E	150 x 75mm hardwood handrail bolted to concrete work and complete with all necessary accessories	17	m	45,000	765,000
	<b>Sundries</b>				
F	Make a hole through 5mm thick mild steel plate for 20mm diameter bolts	8	nr	3,000	24,000
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	3,000	120,000
	<b>To collection</b>				1,933,000



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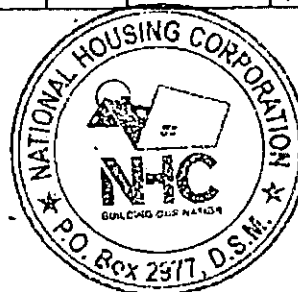
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	STAIRS (Cont'd)				
	COLLECTION				
	Page 2/3/1				15,003,360 ✓
	Page 2/3/2				1,385,170 ✓
	Page 2/3/3				1,933,000 ✓
ELEMENT NR. 3: STAIRS CARRIED TO SUMMARY OF BILL NR. 2					18,321,470 ✓



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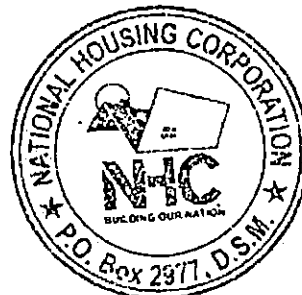
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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ELEMENT NR. 4: WALLING AND PARTITIONING</b>					
<b>CONCRETE WORK</b>					
Precast concrete grade '25' including hoisting to position and bedding with cement and sand mortar (1:3)					
A	150 x 460mm Window cill weathered and throated once, not exceeding 2.00 metres long (in 15nr)	23	m	25,000	575,000
B	Ditto, over 2.00 metres long (in 43nr)	110	m	25,000	2,750,000
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	70,000	350,000
<b>Blockwork</b>					
Solid concrete blocks to B.S. 2028 type 'A' bedded and jointed in cement mortar (1:4)					
D	230mm Thick wall	1053	m <sup>2</sup>	44,000	46,332,000
E	Ditto; rough raking cutting	11	m	1,500	16,500
F	Extra over for 230mm thick attached pier, 230mm wide projecting 600mm from the face of the wall (Provisional)	120	m	48,400	5,808,000
G	150mm Thick wall	1641	m <sup>2</sup>	38,000	62,358,000
H	100mm Thick wall	440	m <sup>2</sup>	33,000	14,520,000
To collection					132,709,500





Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>WALLING AND PARTITIONING (Cont'd)</b>					
<b>Blockwork</b>					
	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 <sup>2</sup>	82,000	3,854,000
	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 <sup>2</sup>	55,000	5,775,000
<b>BALUSTRADE (PROVISIONAL)</b>					
<b>METAL WORK</b>					
<b>Mild Steel</b>					
C	75mm Diameter round hollow section handrail welded to vertical balusters PVC coated	94	m	10,500	987,000
D	50mm Diameter round hollow section bottom rail welded to vertical balusters primed and painted	94	m	5,000	470,000
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	5,000	1,570,000
F	Scribe welded joint and grid to smooth finish between baluster and core/intermediate rails	628	nr	2,000	1,256,000
	<b>To collection</b>				13,912,000



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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	3,000	942,000
	To collection				942,000
	COLLECTION				
	Page 2/4/1				132,709,500
	Page 2/4/2				13,912,000
	Page 2/4/3				942,000
ELEMENT NR.4: WALLING AND PARTITIONING CARRIED TO SUMMARY OF BILL NR. 2					147,563,500



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ELEMENT NR. 5: ROOFING</b>					
<b>ROOF COVERINGS</b>					
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 <sup>2</sup>	49,000	101,871,000
B	Raking cutting	454	m	1,500	681,000
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	13,000	1,599,000
D	Hip capping, 450mm girth	114	m	13,000	1,482,000
E	Valley piece, 600mm girth	114	m	13,000	1,482,000
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 <sup>2</sup>	52,000	2,444,000
G	Turn up at abutment 175mm high	26	m	9,100	236,600
H	Working into outlet pipes, gullies and the like	1	nr	10,000	10,000
To collection					109,805,600



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ROOFING (Cont'd)</b>					
Cement and sand (1:3) with approved water proofing additive trowelled to a smooth finish					
45mm (Average) screed to falls, crossfalls and slopes not exceeding 15 degrees from horizontal to receive water proofing membrane.					
A		47	m <sup>2</sup>	12,000	564,000
B	50 x 50mm Triangular angle fillet	26	m	25,000	650,000
Wrought "Mpodo" softwood					
C	225 x 25mm Fascia board	291	m	13,000	3,783,000
D	225 x 25mm Barge board	11	m	13,000	143,000
<b>ROOF STRUCTURE</b>					
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	30,000	12,360,000
F	70x50x6mm Thick Bottom chord	310	m	30,000	9,300,000
G	70x50x6mm Thick Struts, ties	482	m	30,000	14,460,000
(The end of 10nr roof truss spanning over 15.00 but not exceeding 18.00m)					
	To collection				41,260,000



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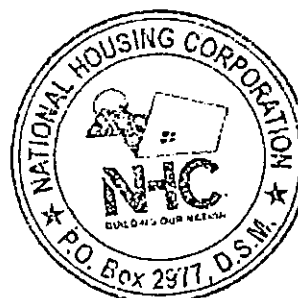
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>ROOFING (Cont'd)</b>				
	<b>ROOF STRUCTURE</b>				
	Unframed structural circular hollow section steel L-section members of roof trusses with weights not exceeding 5.00kg per linear metre with flattened welded connections ends including hoisting and 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	30,000	5,550,000
B	70x50x6 Thick Bottom chord	151	m	30,000	4,530,000
C	70x50x6mm Thick Struts, ties	236	m	30,000	7,080,000
	(The end of 8nr roof truss spanning over 9.00 but not exceeding 12.00m)				
	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	30,000	37,710,000
E	70x50x6 Thick Bottom chord	816	m	30,000	24,480,000
F	70x50x6mm Thick Struts, ties	392	m	30,000	11,760,000
	(The end of 35nr roof truss spanning over 6.00 but not exceeding 9.00m)				
	To collection				91,110,000



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>ROOFING (Cont'd)</b>				
	<b>ROOF STRUCTURE</b>				
	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 6m roof truss spanning over 3.00 but not exceeding 6.00m (Truss type T5)				
A	70x50 x6mm Thick Top chord	78	m	30,000	2,340,000
B	70x50x6 Thick Bottom chord	61	m	30,000	1,830,000
C	70x50x6mm Thick Struts, ties	64	m	30,000	1,920,000
	(The end of 6m roof truss spanning over 3.00 but not exceeding 6.00m)				
	<b>To collection</b>				6,090,000



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ROOFING (Cont'd)</b>					
<b>ROOF STRUCTURE</b>					
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	11,500	32,499,000
B	10mm Diameter sag bars/rods fixed at mid-span points of purlins	620	m	8,500	5,270,000
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	2,700	1,854,900
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	15,750	1,527,750
E	340x230x8mm Thick bearing plate; ditto	97	nr	15,750	1,527,750
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	9,450	916,650
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	28,800	2,188,800
H	290x350x8mm Thick plate; ditto	76	nr	18,900	1,436,400
J	410x351x8mm Thick plate; ditto	76	nr	25,200	1,915,200
K	277x330x8mm Thick gusset plate welded to top chords as per VIEW 1-1 in drawing no. T-OPD-ST-17	76	nr	18,900	1,436,400
	To collection				50,572,850



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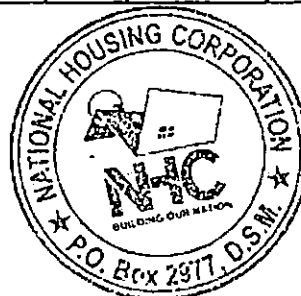
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>ROOFING (Cont'd)</b>				
	Mild steel grade 43 to BS 449-2:1969 including prepare and apply two coats of high build red oxide primer and two coats of enamel paint (Provisional)				
A	340x310x8mm Thick gusset plate welded to top and bottom chords	97	nr	18,900	1,833,300
B	167x115x8mm Thick gusset plate; ditto	97	nr	5,400	523,800
C	255x205x8mm Thick gusset plate welded to bottom chords and struts	20	nr	9,000	180,000
D	205x225x8mm Thick gusset plate; ditto	20	nr	8,280	165,600
E	250x225x8mm Thick gusset plate; ditto	20	nr	10,350	207,000
F	265x205x8mm Thick gusset plate; ditto	56	nr	9,000	504,000
G	260x210x8mm Thick gusset plate; ditto	8	nr	9,000	72,000
H	215x230x8mm Thick gusset plate; ditto	8	nr	9,000	72,000
J	195x250x8mm Thick gusset plate; ditto	8	nr	9,000	72,000
K	215x228x8mm Thick gusset plate; ditto	8	nr	9,900	79,200
L	254x305x8mm Thick gusset plate; ditto	8	nr	13,500	108,000
	<b>To collection</b>				<b>3,816,900</b>



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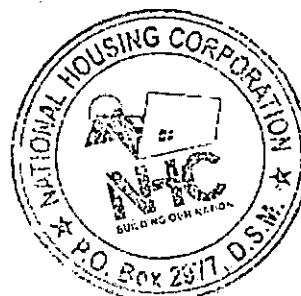
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ROOFING (Cont'd)</b>					
Mild steel grade 43 to BS 449-2:1969 including prepare and apply two coats of high build red oxide primer and two coats of enamel paint (Provisional)					
A	270x210x8mm Thick gusset plate welded to top chords and ties	76	nr	9,000	684,000
B	360x215x8mm Thick gusset plate; ditto	20	nr	14,400	288,000
C	350x225x8mm Thick gusset plate; ditto	20	nr	15,750	315,000
D	265x200x8mm Thick gusset plate; ditto	20	nr	9,000	180,000
E	183x205x8mm Thick gusset plate; ditto	21	nr	7,200	151,200
F	414x195x8mm Thick gusset plate; ditto	21	nr	14,400	302,400
G	300x100x8mm Thick gusset plate; ditto	15	nr	5,400	81,000
H	285x100x8mm Thick gusset plate; ditto	8	nr	5,400	43,200
J	300x290x8mm Thick gusset plate; ditto	8	nr	16,200	129,600
K	325x215x8mm Thick gusset plate welded to ties	20	nr	10,800	216,000
L	175x185x8mm Thick gusset plate; ditto	20	nr	7,200	144,000
To collection					2,534,000



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ROOFING (Cont'd)</b>					
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	7,200	547,200
Mild steel grade 4.6					
B	12mm Diameter black bolt, 100mm long complete with nuts and washer	2748	nr	1500	4,122,000
C	20mm Diameter black bolt, 100mm long complete with nuts and washer	1672	nr	2,000	3,344,000
D	20mm Diameter anchor bolt, 300mm long complete with nuts and washer	388	nr	3,500	1,242,500
Sundries					
E	Make a hole through 8mm thick mild steel plate for 12mm diameter bolts	5496	nr	200	1,099,200
F	Make a hole through 8mm thick mild steel plate for 20mm diameter bolts	2060	nr	300	618,000
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.	120,000	360,000
H	Ditto; overall size 3000mm wide base x 701mm high	4	nr	140,000	560,000
J	Ditto; overall size 4713mm wide base x 1100mm high	1	nr	160,000	160,000
To collection					12,052,900



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>ROOFING (Cont'd)</b>				
	<b>ROOF DRAINAGE</b>				
	<b>Unplasticised PVC rainwater pipes to BS 4514</b>				
A	100mm Pipe fixed with and including standard holder bats plugged to blockwork or concrete work walls at 1.5metres general spacing	53	m	13,000	689,000
B	Extra for swan neck	8	nr	13,000	104,000
C	Extra for shoe	8	nr	13,000	104,000
	<b>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</b>				
D	150mm Half round rainwater gutter	291	m	15,000	4,365,000
E	Extra for nozzle outlet	9	nr	25,000	225,000
F	Extra for stopped end	2	nr	25,000	50,000
	<b>"Fulbora" cast iron rain water outlet</b>				
G	200mm-Vertical spigot outlet with dome grating cast into concrete slab with caulked joint to P.V.C pipe	1	nr	200,000	200,000
	<b>To collection</b>				<b>5,737,000</b>



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	ROOFING (Cont'd)				
	COLLECTION				
	Page 2/5/1				109,805,600
	Page 2/5/2				44,260,000
	Page 2/5/3				91,110,000
	Page 2/5/4				6,090,000
	Page 2/5/5				50,572,850
	Page 2/5/6				3,816,900
	Page 2/5/7				2,534,400
	Page 2/5/8				12,052,900
	Page 2/5/9				5,737,000
	<b>ELEMENT NR. 5: ROOFING TOTAL CARRIED TO SUMMARY OF BILL NR. 2</b>				<b>322,979,650</b>



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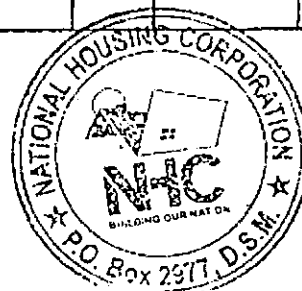
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ELEMENT NR. 6: DOORS</b>					
<b>WROT HARDWOOD DOORS</b>					
A	45mm Thick solid panelled door size 870 x 2045mm high comprising of 95mm wide stiles and top rail, 150mm wide middle rail and 100mm wide bottom rail forming two panels filled in with 20x13mm tongued and grooved 35mm thick vertical boarding housed to stiles and rails (D1)	4	nr	622,702.50	2,490,810
B	Ditto; size 870 x 2155mm high (D2)	4	nr	656,147.50	2,624,790
C	Ditto; size 570 x 2045mm high (D3)	8	nr	407,977.50	3,263,820
D	Extra over, ditto, for opening size 150x 350mm high left open for glazing (measured separately) (D3)	8	nr	18,375	147,000
E	Ditto; size 570 x 2045mm high (D3A)	26	nr	407,977.50	10,607,415
F	Ditto; size 570 x 2045mm high (D3B)	8	nr	407,977.50	3,263,820
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	603,855	39,854,430
H	Ditto; size 910 x 2130mm high (D5)	22	nr	678,405	14,924,910
J	Ditto; size 910 x 2070mm high (D5A)	2	nr	659,295	1,318,590
K	Ditto; size 710 x 2070mm high (D6)	26	nr	514,395	13,374,270
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 louvres housed to stiles(m.s) (Provisional, Duct doors)	4	nr	291,900	1,167,600
To collection					93,037,455



93,037,455  
320,000  
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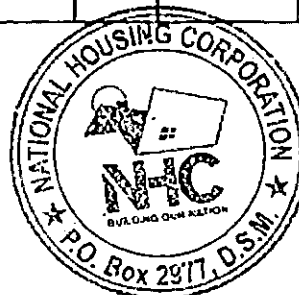
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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>DOORS (Cont'd)</b>				
	<b>Wrot Hardwood</b>				
A	100 x 45mm Frame with two labours	157	m	43,500	6,829,500
B	100 x 45mm Frame with three labours	728	m	43,500	31,668,000
C	100 x 45mm Transome with two labours	114	m	43,500	4,959,000
D	100 x 45mm Mullion with two labours	15	m	43,500	652,500
E	40 x 15mm Architrave with one labour	976	m	17,000	16,592,000
F	22 x 12mm Glazing beads with one labour	345	m	3,500	1,207,500
G	12 x 12mm Glazing beads, ditto	8	m	3,500	28,000
H	70 x 19mm Slamming strip with three labours	51	m	12,000	612,000
J	70 x 19mm louvres blade with moulded edges, set and at 45 degrees from horizontal and fixed in prepared grooves in door stiles (m.s) (in 108 nr)	78	m	12,000	936,000
	<b>Sawn hardwood</b>				
K	60 x 15mm Parking piece/Grounding, plugged to block/concrete work	877	m	11,000	9,647,000
	<b>GLAZING</b>				
	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 <sup>2</sup>	41,500	2,132,000
	<b>To collection</b>				75,263,500



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>DOORS (Cont'd)</b>				
	<b>GLAZING</b>				
	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) (Observing window)	1	m <sup>2</sup>	41,000	41,000
	<b>IRONMONGERY</b>				
	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	25,650	6,002,100
C	100mm Spring double action hinges (Provisional)	21	pair	67,500	1,417,500
D	Mortice lockset, three lever complete with furniture and handle	117	nr	102,600	12,004,200
E	Ditto; two lever with toilet indicator bolts.	28	nr	139,050	3,893,400
F	150mm Brass barrel bolts	50	nr	32,400	1,620,000
G	Floor rubber door stopper	166	nr	25,000	4,150,000
	<b>METAL WORK</b>				
H	842x150x1.5mm Thick aluminium kicker plate fixed with aluminium screws to timber doors	16	nr	103,950	1,663,200
	<b>To collection</b>				30,791,400



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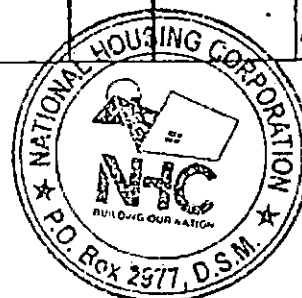
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>DOORS (Cont'd)</b>				
	<b>METAL WORK</b>				
A	542x150x1.5mm Thick aluminium kicker plate; ditto	84	nr	81,000	6,804,000
	<b>Sundries</b>				
B	Make slanting grooves in 125x25mm thick hardwood door stiles for 70mm wide x 19mm thick hardwood louvre	216	nr	5,000	1,080,000
	<b>To collection</b>				7,884,000
	<b>COLLECTION</b>				
	Page 2/6/1				93,037,455
	Page 2/6/2				75,263,500
	Page 2/6/3				30,791,400
	Page 2/6/4				7,884,000
	<b>ELEMENT NR. 6: DOORS TOTAL CARRIED TO SUMMARY OF BILL NR. 2</b>				206,976,355



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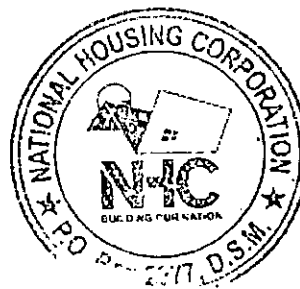
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ELEMENT NR. 5: WINDOWS</b>					
<b>METALWORK</b>					
Anodized aluminium casement window frames, 1.5mm thick sections complete with 6mm thick wired glass and mosquito gauze framing and all necessary ironmongeries					
A	2400 x 600mm High window comprising of four side sliding glass panels (W1-Top panes)	43	nr	497,016	21,371,688
B	2400 x 900mm High window; ditto (W1-Bottom panes)	43	nr	745,524	32,057,532
C	1500 x 600mm High window comprising of two side sliding glass panels (W2-Top panes)	9	nr	310,635	2,795,715
D	1500 x 900mm High window comprising of two side sliding glass panels (W2-Bottom panes)	9	nr	465,952	4,193,572
E	1200 x 1650mm High window comprising of two fixed and two side sliding glass panels (W3A)	6	nr	683,397	4,100,382
F	1000 x 900mm High window comprising of one pivoting glass panel (W3)	26	nr	310,635	8,076,510
G	900 x 900mm High window; ditto (W4)	6	nr	279,571	1,677,429
H	900 x 900mm High window; ditto (Provisional, at reception/registration and security guard)	7	nr	279,571	1,957,000
J	1500 x 1650mm High window comprising of two fixed glass panels (Provisional, at General Exam room, VTC and Nurse call station)	7	nr	844,246	5,979,724
<b>ELEMENT NR. 7: WINDOWS TOTAL CARRIED TO SUMMARY OF BILL NR. 2</b>					<b>82,209,553</b>



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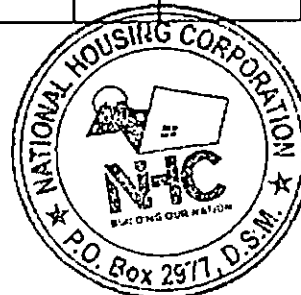
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Item	Descriptions	Qty	Unit	Rate	Amount in Tsbs
<b>ELEMENT NR. 8: FINISHINGS</b>					
<b>INTERNAL FINISHINGS</b>					
<b>INSITU FINISHINGS</b>					
Plastering in two coats including 12mm thick lime plaster coat to a smooth finish					
A	15mm To block work	2488	m <sup>2</sup>	7,500	18,660,000
B	15mm To sloping soffits of stairs	32	m <sup>2</sup>	7,500	240,000
C	15mm To soffits of landing	15	m <sup>2</sup>	7,500	112,500
<b>TILES, SLAB AND BLOCK FINISHINGS</b>					
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 9mm Thick to floors and pavings	2847	m <sup>2</sup>	63,000	179,361,000
E	500 x 500 x 9mm Thick to landings	15	m <sup>2</sup>	63,000	945,000
F	Treads; 300mm wide with non slip eborandum slip	88	m	18,900	1,663,200
G	Risers; 150mm high	95	m	9,450	897,750
H	500 x 150mm, High tiles skirting	1397	m	9,450	13,201,650
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 <sup>2</sup>	55,000	106,095,000
To Collection					321,176,100



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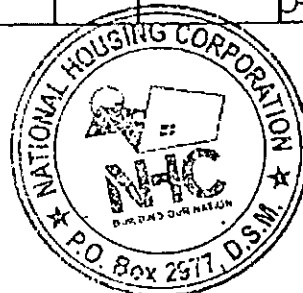
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>FINISHINGS (Cont'd)</b>					
<b>INTERNAL FINISHINGS</b>					
Glazed ceramic wall tiles Ex-Spanish or any other equal and approved type with cushion edges fixed to backings with adhesive and pointing joints with grout					
A	Cut tiles and fit around small pipes and the like	134	nr	5,500	737,000
B	Tiles with one rounded edge (Provisional)	25	m	7,500	187,500
<b>PLAIN SHEET FINISHINGS</b>					
<b>Suspended ceiling</b>					
C	12mm Gypsum board ceiling fixed to timber brandezings (m.s) complete with sealing tape at joints	2886	m <sup>2</sup>	15,000	43,290,000
D	Extra over for access hatch size 600 x 600 mm	4	nr	10,000	40,000
E	82 x 82mm Flush gypsum cornice	2231	m	2,500	5,577,500
F	50 x 50mm Treated softwood brandering and the like	12402	m	4,500	55,809,000
<b>BEDS AND BACKINGS</b>					
Cement and Sand (1:4) wood floated surface finish					
G	12mm Thick backing to receive wall tiles	1929	m <sup>2</sup>	7,500	14,467,500
H	31mm Thick bed to receive floor tiles	2862	m <sup>2</sup>	9,000	25,758,000
J	12mm Thick backing to receive 150mm high skirting tiles	1492	m	1,125	1,678,500
To Collection					149,545,000



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>FINISHINGS (Cont'd)</b>					
<b>EXTERNAL WORK</b>					
Rendering in two coats including 12mm thick lime plaster coat to a smooth finish					
A	15mm To walls	1469	m <sup>2</sup>	7,500	11,017,500
B	15mm To isolated columns	10	m <sup>2</sup>	7,500	75,000
C	15mm To sides and soffits of beam	43	m <sup>2</sup>	7,500	322,500
<b>TILES SLAB AND BLOCK FINISHINGS</b>					
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 <sup>2</sup>	63,000	16,254,000
E	Ditto; to treads 300mm wide with non slip strip	11	m	18,900	207,900
F	Ditto; to risers 150mm high	21	m	9,450	198,450
G	To skirting 150mm high	52	m	9,450	491,400
<b>PLAIN SHEET FINISHINGS</b>					
Suspended ceiling					
12mm Gypsum board ceiling fixed to timber branderings (m.s) complete with sealing tape at joints					
H		258	m <sup>2</sup>	15,000	3,870,000
J	Extra over for access hatch size 600 x 600 mm	2	nr	10,000	20,000
K	82 x 82mm Doric cornice as per lafarge gypsum board type	52	m	2,500	130,000
	<b>To Collection</b>				<b>32,586,750</b>



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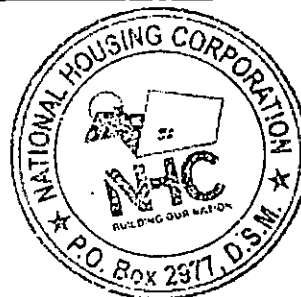
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>FINISHINGS (Cont'd)</b>				
	<b>EXTERNAL WORK</b>				
	<b>PLAIN SHEET FINISHINGS</b>				
	Suspended ceiling				
A	50 x 50mm Treated softwood bandering and the like	1118	m	4,500	5,031,000
	<b>BEDS AND BACKINGS</b>				
	Cement and Sand (1:4) wood floated surface finish				
B	31mm Thick bed to receive floor tiles	258	m <sup>2</sup>	9,000	2,322,000
C	12mm Thick backing to receive 300mm wide tread tiles	11	m	2,250	24,750
D	Ditto; to receive 150mm high riser tiles	21	m	1,125	23,625
E	Ditto; to receive 150mm high skirting tiles	52	m	1,125	58,500
	<b>To Collection</b>				7,459,875
	<b>COLLECTION</b>				
	Page 2/8/1				321,176,100
	Page 2/8/2				147,945,000
	Page 2/8/3				82,586,750
	Page 2/8/3				7,459,875
	<b>ELEMENT NR. 8: FINISHINGS TOTAL CARRIED TO SUMMARY OF BILL NR. 2</b>				508,767,225



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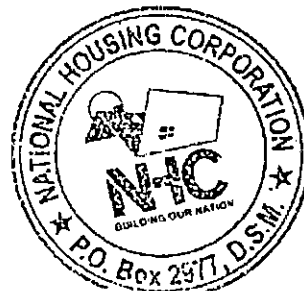
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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ELEMENT NR: 9: PAINTING AND DECORATIONS</b>					
<b>INTERNAL WORK</b>					
Prepare and apply one coat of acrylic primer, stucco and three full coats of acrylic paint by sadolin or similar to architect approval on:					
A	Plastered walls and the like	2488	m <sup>2</sup>	7,000	17,416,000
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 <sup>2</sup>	7,000	224,000
C	Plastered soffits of landing	15	m <sup>2</sup>	7,000	105,000
D	Gypsum ceilings and the like	2886	m <sup>2</sup>	7,000	20,202,000
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	1,400	1,096,200
F	Frames and the like over 200mm but not exceeding 300mm girth.	151	m	2,100	317,100
G	General surfaces	642	m <sup>2</sup>	7,000	4,494,000
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	1,400	673,400
To Collection					44,527,700



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>PAINTING AND DECORATIONS (Cont'd)</b>					
<b>INTERNAL WORK</b>					
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	2,100	8,400
B	General surfaces	1	m <sup>2</sup>	7,000	7,000
<b>EXTERNAL WORK</b>					
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 <sup>2</sup>	7,000	10,283,000
D	Rendered isolated columns	10	m <sup>2</sup>	7,000	70,000
Prepare and apply one thinned coat and two full coats of emulsion paint on:					
E	Gypsum ceiling and the like	258	m <sup>2</sup>	7,000	1,806,000
F	Rendered sides and soffits of beam	43	m <sup>2</sup>	7,000	301,000
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	1,400	422,800
To Collection					12,898,200



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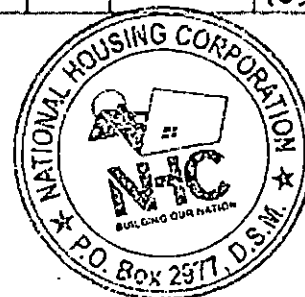
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>PAINTING AND DECORATIONS (Cont'd)</b>				
	<b>COLLECTION</b>				
	Page 2/9/1				44,527,700
	Page 2/9/2				12,898,200
	<b>ELEMENT NR. 9: PAINTING AND DECORATIONS TOTAL CARRIED TO SUMMARY OF BILL NR. 2</b>				<b>57,425,900</b>



SM



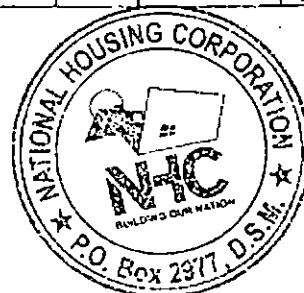
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ELEMENT NR. 10: PLUMBING AND ENGINEERING INSTALLATIONS</b>					
<b>SANITARY APPLIANCES</b>					
Supply and fix the following sanitary appliance as Manufactured by Armitage Shanks or any other equal and approved Manufacturer including all connections and 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 Flecflo plastic syphon fitting and 12mm Microvalve HP\LP side supply ballvalve, internal overflow, plastic flush bend, simple inlet connector and supports, chrome plated lever (S4055-68940B1), Gemini seat and cover (S9102-75508FR), domex screws and S-trap	19	nr	650,000	12,350,000
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	4,900,000	19,600,000
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	350,000	7,000,000
D	White vitreous china TEMPO 50 E1630 carina countertop washbasin, single central taphole, S7300 Millennia; 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	680,000	56,440,000
E	Toilet flexible hand sprays	39	nr	120,000	4,680,000
F	Toilet roll holder S5095 (75490BH) screwed to tiled wall chrome plated finish with thief proof holder	39	nr	100,000	3,900,000
To collection					103,970,000



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<p><b>PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd)</b></p> <p><b>SANITARY APPLIANCES</b></p> <p>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.</p>					
A	Clean out (floor trap) including rodding eyes, necessary fittings and accessories,	19	nr	80,000	1,520,000
B	Hand drier 0302004 guardian push button operation plastic cassette unit, snap in mechanism high output, size 275 x 290 x 185mm.	15	nr	700,000	10,500,000
C	Range of three "Sanura" white vitreous china wall urinal CAT. No S 6100 (261129E), top inlet spreader (S6285 - 74344A1), concealed steel hangers (S8850 - 90568N0), 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	770,000	3,080,000
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	250,000	20,750,000
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	815,000	1,630,000
F	W612 Dilution Recovery Trap with W162 Line coupler and w3992 Reducing coupler	3	nr	500,000	1,500,000
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	4,000,000	64,000,000
To collection					102,980,000



DM

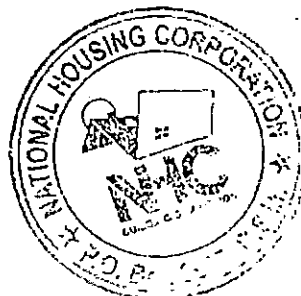
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd)</b>					
<b>FOUL WATER SYSTEM</b>					
Soil and Vent pipe					
uPVC pipe work installed, jointed and tested complete, to BS 8301, BS 4541, BS 5255, BS 4660 and BS 5481 as applicable including supports, pipe 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	45,000	2,430,000
B	100mm Diameter pipe in ducts and concrete bed	117	m	25,000	2,925,000
C	Extra over for Y-junction	28	nr	40,000	1,120,000
D	75mm Diameter pipe	30	m	15,000	450,000
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	15,000	675,000
F	50mm Diameter pipe	95	m	9,500	902,500
G	Extra over for Y-junction	24	nr	8,000	192,000
To collection					8,694,500



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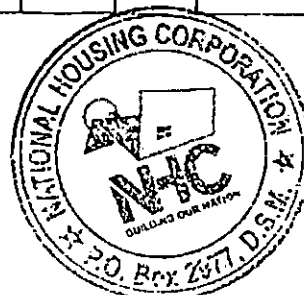
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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<p><b>PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd)</b></p> <p><b>FOUL WATER SYSTEM</b></p> <p>Waste and overflow pipes</p> <p>uPVC pipe work installed, jointed and tested complete, to BS 8301, BS 4541, 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	5000	175,000
B	Extra over 50mm diameter pipe for Reducer 50/40	13	nr	5000	65,000
C	40mm Diameter pipe embedded in concrete wall	28	m	9000	252,000
D	Extra over for Y-Junction	20	nr	4000	80,000
E	32mm Diameter Pipe embedded in concrete wall	14	m	8500	119,000
F	Extra over for Y-Junction	8	nr	3500	28,000
	<p><b>COLD AND HOT WATER INSTALLATION</b></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	23,000	506,000
	To collection				1,275,000



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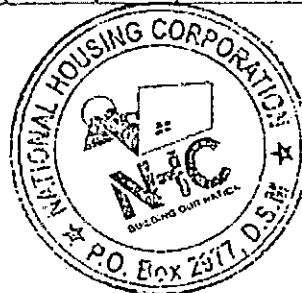
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd)</b>				
	<b>COLD WATER INSTALLATION</b>				
	Pressure pipe work, installed, jointed and tested complete as per BS standards with pipe fittings, bends, accessories, supports, hangers using clamps with rubber 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	5000	25,000
B	Extra over ditto for Coupling	4	nr	5000	20,000
C	Extra over ditto for Strainer	2	nr	50,000	100,000
D	25mm Diameter pipe	111	m	14,000	1,554,000
E	Extra over for Reducer tee 25/20	14	nr	4000	56,000
F	Extra over for Reducer tee 25/15	4	nr	4000	16,000
G	Extra over for Unequal Tee	12	nr	4000	48,000
H	20mm Diameter pipe plugged and concealed on concrete walls	88	m	9000	792,000
J	Extra over for Equal tee	11	nr	3000	33,000
K	Extra over for Elbow	12	nr	3000	36,000
L	Extra over for Reducer 20/15	10	nr	3000	30,000
M	Extra over for Nipple	10	nr	8,000	80,000
	To collection				2,790,000



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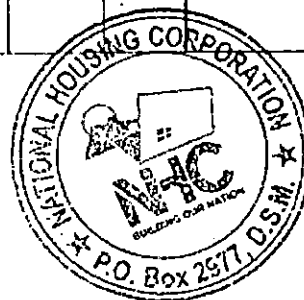
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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd)</b>					
<b>COLD WATER INSTALLATION</b>					
Pressure pipe work, installed, jointed and tested complete as per BS standards with pipe fittings, bends, 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	6000	492,000
B	Extra over for Equal tee	10	nr	3000	30,000
C	Extra over for Elbow	10	nr	3000	30,000
D	15mm Heavy duty flexible pipe tail; 300mm long and connection to fitting and supply	158	nr	26000	4,108,000
<b>Equipments</b>					
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	2,000,000	4,000,000
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 m3/hr Total manometric head : 15m. Speed : 2900 RPM, motor power: 0.75 KW 1 X380 V & 50 HZ. from approved manufacturer	1	nr	5,000,000	5,000,000
To collection					13,633,000



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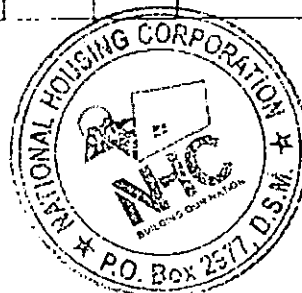
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd)</b>				
	<b>COLD WATER INSTALLATION</b>				
	Ancillaries				
	Draw-off taps, stop valve to BS 1010				
A	32mm Diameter brass stop valve with screwed connection to HDPE pipe	2	nr	45,000	90,000
B	32mm Diameter brass stop cock with screwed connection to HDPE pipe	2	nr	45,000	90,000
C	25mm Diameter brass stop valve with screwed connection to HDPE pipe	10	nr	35,000	350,000
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	28,000	3,052,000
	<b>RAINWATER DRAINAGE</b>				
	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	25,000	925,000
G	Extra over for Bend	6	nr	10,000	60,000
H	75mm Diameter uPVC pipe	4	m	15,000	60,000
J	Upvc/Bronze Fullbore	6	nr	200,000	1,200,000
	To collection				7,087,000



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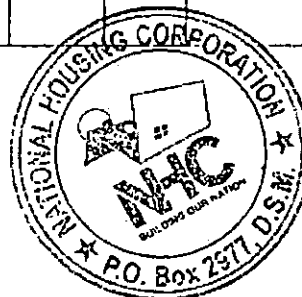
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd)</b>				
	<b>FIRE FIGHTING INSTALLATIONS</b>				
	<b>Mechanical Engineering Installation</b>				
	Supply and install the following items complete with associated fittings, supports and builders works as 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	220,000	2,200,000
	<b>Fire Hose Reel System</b>				
	Supply and install the following items complete with associated fittings, supports and builder's work				
	<b>Pipework &amp; Fittings to BS1387</b>				
B	50mm Diameter, galvanised Carbon Steel Pipe	60	m	85,000	5,100,000
C	25mm Diameter, galvanised Carbon Steel Pipe	22	m	40,000	880,000
	<b>Valves to BS Standards</b>				
D	50mm Diameter, Gate Valve	4	nr	150,000	600,000
E	50mm Diameter, check Valve	1	nr	250,000	250,000
F	50mm Diameter, Automatic Air Release Valve	4	nr	200,000	800,000
G	25mm Diameter, Gate Valve	4	nr	40,000	160,000
	<b>To collection</b>				9,990,000



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd)</b>				
	<b>FIRE FIGHTING INSTALLATIONS</b>				
	<b>Mechanical Engineering Installation</b>				
	<b>Fire Hose Reel to BS 3169</b>				
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
	<b>Fire Hose reel pumps</b>				
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	25,000,000	25,000,000
	<b>Fire Signage</b>				
C	Supply and fix Photoluminescent Fire Signage for Portable Fire Extinguishers and Fire Hose Reels as specified and indicated on the drawings.	31	nr	130,000	4,030,000
	<b>Operation and maintenance manuals</b>				
D	Allow sum for preparation of operation and maintenance manuals (3 sets) and manufacturers recommended maintenance program/advice for entire Fire Fighting Installations.		Item	1,000,000	1,000,000
	<b>SUNDRIES</b>				
	<b>Testing</b>				
E	Allow for the testing the whole of the plumbing and engineering installations to Engineer's satisfaction.		Item	2,000,000	2,000,000
	<b>As Built Drawings</b>				
F	Allow sum for as built record (3 sets of A1) drawings for the entire plumbing and engineering installation.		Item	1,500,000	1,500,000
	To collection				38,330,000



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	PLUMBING AND ENGINEERING INSTALLATIONS (Cont'd)				
	COLLECTION				
	Page 2/10/1				103,970,000
	Page 2/10/2				102,980,000
	Page 2/10/3				8,694,500
	Page 2/10/4				1,225,000
	Page 2/10/5				2,790,000
	Page 2/10/6				13,633,000
	Page 2/10/7				7,087,000
	Page 2/10/8				9,990,000
	Page 2/10/9				38,339,000
	ELEMENT NR. 10: PLUMBING AND ENGINEERING INSTALLATIONS TOTAL CARRIED TO SUMMARY OF BILL NR. 2				788,699,500

Page 2/10/10



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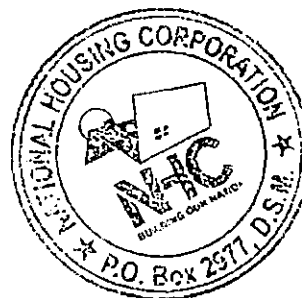
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ELEMENT NR: 11 ELECTRICAL INSTALLATIONS</b>					
<b>Standby Generator</b>					
	Supply and install standby diesel generator set with 75dB at 1m acoustic housing including fixing to base, all supports and fixings and all necessary connections to equipment				
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	165,000,000	165,000,000.00
<b>Bulk Fuel Reserve</b>					
B	Supply and install 4500L pre-fabricated bulk fuel reserve tank complete with all piping, valves, pumps, all necessary accessories and connections to the generator set	1	nr	15,000,000	15,000,000.00
<b>Transformer</b>					
C	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)	1	nr	27,000,000	27,000,000.00
To Collection					207,000,000.00



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>ELECTRICAL INSTALLATION (Cont'd)</b>				
	<b>LV Switchgear and Distribution Boards</b>				
	<b>Main LV Switchgear</b>				
	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				
	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	24,000,000	24,000,000.00
A					
	<b>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	10,000,000	10,000,000.00
B					
	Supply and install 400A Automatic Transfer switch with electrical and mechanical interlock c/w manual operation facility	1	nr	23,000,000	23,000,000.00
C					
	<b>Distribution Boards</b>				
	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				
	6 Way TPN Distribution Board with 100A/30mA RCCB incomer	3	nr	1,500,000	4,500,000.00
D					
	6 Way TPN Distribution Board with 63A/30mA RCCB incomer	6	nr	1,240,000	7,440,000.00
E					
	<b>To Collection</b>				68,940,000.00



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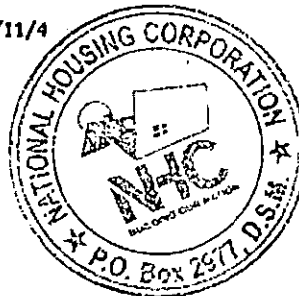
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ELECTRICAL INSTALLATION (Cont'd)</b>					
<b>Surge Protection Devices</b>					
A	Supply and install enclosed surge protection kit for TPN boards fixed to background including supports and connections to distribution boards as Eaton Mem		Item	2,000,000	2,000,000.00
<b>HV and LV Cables</b>					
11kV XLPE insulated, steel wire armoured, PVC sheathed, cu cables laid in cable trench including supports, terminations, manholes, PVC pipes and all necessary accessories					
<b>Three core armoured</b>					
B	185 sq.mm (Provisional)	100	m	320,000	33,000,000.00
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					
<b>Single core armoured</b>					
C	120 sq mm (Provisional)	280	m	74,000	20,720,000.00
D	70 sq mm (Provisional)	70	m	50,700	3,549,000.00
E	16 sq mm	480	m	13,000	6,240,000.00
F	6 sq mm	15	m	5,000	75,000.00
<b>Four core armoured</b>					
G	95sq.mm (Provisional)	135	m	245,000	33,075,000.00
H	35sq.mm (Provisional)	105	m	90,000	9,450,000.00
J	25sq.mm	480	m	65,000	31,200,000.00
To Collection					139,309,000.00



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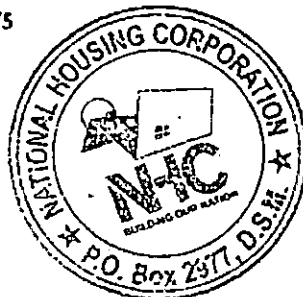
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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ELECTRICAL INSTALLATION (Cont'd)</b>					
<b>Light Fixings</b>					
Supply and install the following luminaires fixed to background c/w tubes/lamps including fixings and accessories as delta light/Thorn or approved equal					
A	1x36W,1200mm decorative fluorescent fitting	89	nr	154,000	13,706,000.00
B	Decorative straight batten holder c/w 1x11W as type C	49	nr	115,000	5,635,000.00
C	Decorative straight batten holder c/w 1x18W as type E	59	nr	139,000	8,201,000.00
D	Emergency EXIT light fitting, 1x8W	18	nr	259,000	4,662,000.00
E	Decorative straight batten holder c/w 1x18W as type D	63	nr	139,000	8,757,000.00
F	IP65 , bulkhead fitting c/w 1x 70W for external use	29	nr	588,000	17,052,000.00
<b>Wiring Accessories</b>					
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	37,000	7,178,000.00
H	Ditto but weather proof	4	nr	74,000	296,000.00
J	13A Switched socket outlet -single	23	nr	25,000	575,000.00
K	10A 1 way 1 gang switch	112	nr	8,000	896,000.00
L	10A 1 way 2 gang switch	6	nr	10,000	60,000.00
M	10A 2 way 2 gang switch	31	nr	14,000	434,000.00
N	10A 2 way 1 gang switch	6	nr	24,000	144,000.00
P	20A DP switch for AC	39	nr	34,000	1,326,000.00
	<b>To Collection</b>				<b>68,922,000.00</b>



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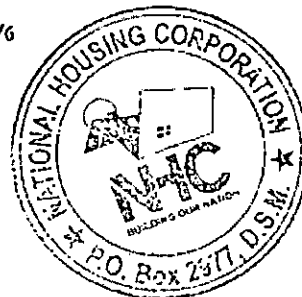
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>ELECTRICAL INSTALLATION (Cont'd)</b>				
	<b>Wiring Accessories</b>				
	Supply and install all flush accessories complete with mounting boxes in walls or trunking as Hager or approved equal.				
A	20A DP switch for theatre and xray rooms	4	nr	24,000	136,000.00
B	20A DP switch for water pump	2	nr	24,000	68,000.00
C	TV coaxial socket outlet	6	nr	50,000	300,000.00
D	25A contactor	1	nr	100,000	100,000.00
E	Photocell complete with kit	1	nr	150,000	150,000.00
	<b>Electrical Wiring</b>				
	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	194	nr	90,000	17,460,000.00
G	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	307	nr	70,000	21,490,000.00
H	AC indoor points wired using 2.5 sq.mm single core cable drawn in 20mm diameter PVC conduit including wiring ;conduit and conduit accessories	39	nr	90,000	3,510,000.00
J	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	4	nr	100,000	400,000.00
	<b>To Collection</b>				43,614,000.00



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ELECTRICAL INSTALLATION (Cont'd)</b>					
<b>PVC Duct</b>					
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	35,000	4,200,000.00
<b>Voice and Data</b>					
20mm diameter conduiting for VD points concealed throughout inclusive of all backboxes to facilitate installation of VD accessories by others					
B		99	nr	50,000	4,950,000.00
<b>Fire Alarm Installations</b>					
20mm diameter conduiting for fire alarm points concealed throughout inclusive of all backboxes to facilitate installation of devices by others					
C		92	nr	50,000	4,600,000.00
<b>Earthing and Lightning Protection</b>					
D	Allow a provisional sum for completion of the structural lightning protection system		Item	6,000,000	6,000,000.00
E	Allow for Earthing of the entire electrical installation as specified		Item	8,000,000	8,000,000.00
<b>Testing</b>					
F	Allow for testing and commissioning of the entire installations to the requirement of TANESCO		Item	2,000,000	2,000,000.00
<b>AS Built Drawings</b>					
G	Allow for provision of 3sets of as built drawings and operation and manuals on completion of the works		Item	1,000,000	1,000,000.00
<b>To Collection</b>					<b>30,750,000.00</b>



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ELECTRICAL INSTALLATION (Cont'd)</b>					
<b>Builders Work</b>					
A	Allow for all necessary cutting out and making good after the concealed, buried underground electrical system installations		Item	1,500,000	1,500,000.00
<b>Fire Alarm Installations</b>					
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	50,000	9,550,000.00
<b>Testing</b>					
C	Allow for testing and commissioning of the whole of electrical systems as per respective standards		Item	2,000,000	2,000,000.00
<b>To Collection</b>					13,050,000.00
<b>COLLECTION</b>					
Page 2/11/1					207,000,000.00
Page 2/11/2					
Page 2/11/3					139,309,000.00
Page 2/11/4					68,922,000.00
Page 2/11/5					43,614,000.00
Page 2/11/6					30,750,000.00
Page 2/11/7					13,050,000.00
<b>ELEMENT NR. 11 - ELECTRICAL INSTALLATIONS TOTAL CARRIED TO SUMMARY OF BILL NR. 2</b>					<b>571,585,000.00</b>

Page 2/11/7

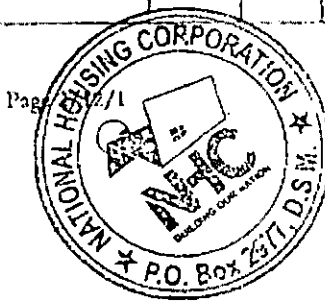


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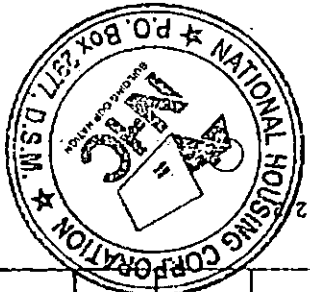
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>ELEMENT NR. 12: AIR CONDITIONING AND VENTILATION</b>				
	<b>Single Split Air Conditioners</b>				
	<b>Hi- Wall Units</b>				
	Supply, install, test and commission a set of Single Split type Air Conditioner of Carrier Brand, LG, Samsung or Approved Equivalent. 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	2,200,000	94,600,000
	<b>Refrigerant Piping</b>				
	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	32,000	5,504,000
C	15.88 Diameter copper pipe	172	m	38,000	6,536,000
	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.				
D		130	m	15,000	1,950,000
	<b>To Collection</b>				108,590,000



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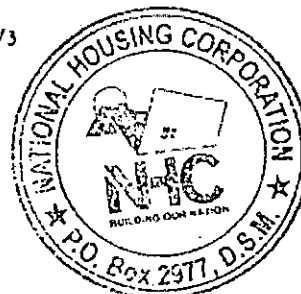
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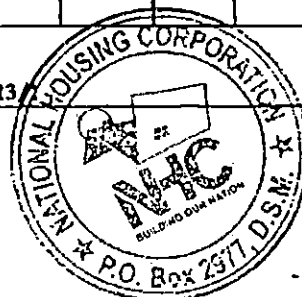
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
A	Exhaust Fans Supply, install, test and commission window/wall mounted, axial flow exhaust fans, Xpelar Brand or approved, Equivalent for toilets and kitchen as per specifications and drawing, complete with associated controls, fittings and supports				
B	Air extract fan, capacity: 30L/s, at 60Pa	12	pc	650,000	7,800,000
C	Air extract fan, capacity: 50L/s, at 60Pa	8	pc	650,000	5,200,000
D	Duct inline Air extract fan, capacity: 100L/s, at 60Pa	8	pc	1,200,000	9,600,000
E	250mm x 250mm Extract grille on the wall with back-flow shutter	8	pc	250,000	2,000,000
F	Flexible ducts of aluminium spiral and following dimensions 100mm Diameter	19	m	180,000	3,420,000
G	200mm Diameter	19	m	250,000	4,750,000
H	Allow sum for the supply and insulation 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 Ventilation Installations.		Item	1,200,000	1,200,000
K	Test and commissioning Allow sum for testing and commissioning of the entire Air Conditioning and Ventilation installations and set the system to work to the local authority requirements and engineers satisfaction		Item	1,500,000	1,500,000
					37,470,000

Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	AIR CONDITIONING AND VENTILATION (Cont'd)				
	COLLECTION				
	Page 2/12/1				108,590,000
	Page 2/12/2				37,470,000
	ELEMENT NR. 12: AIR CONDITIONING AND VENTILATION TOTAL CARRIED TO SUMMARY OF BILL NR. 2				146,060,000



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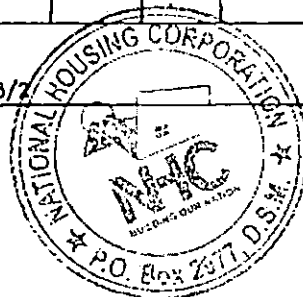
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<p><b>ELEMENT NR. 13: FITTINGS AND FIXTURES (PROVISIONAL)</b></p> <p>The following are in 4nr counters overall size 6050mm girth x 750mm high x 1150mm high at the nurse call stations</p> <p>Reinforced insitu concrete grade 20 in</p>					
A	75mm Thick work top	20	m <sup>2</sup>	19,500	390,000
<p>Steel fabric reinforcement to BS 4483:1997</p>					
B	Square mesh fabric ref. A193 weighing 2.22Kg per square metres	20	m <sup>2</sup>	20,000	400,000
<p>Sawn formwork to</p>					
C	Soffits of worktop	20	m <sup>2</sup>	19,000	380,000
D	Edges of worktop not exceeding 75mm high	88	m	1,425	125,400
<p>Walling</p> <p>Solid concrete blocks with the crushing strength not less than 7MPa. bedded and jointed in cement mortar (1:3)</p>					
E	100mm Wall	24	m <sup>2</sup>	33,000	792,000
<p>Wrot hardwood Mkongo</p>					
F	50 x 50mm Framing, plugged to block/concrete work	24	m	25,000	600,000
To collection					2,687,400



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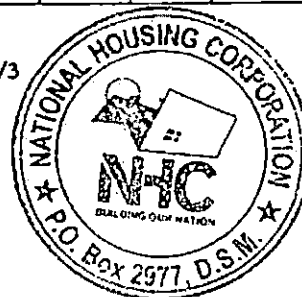
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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>FITTINGS AND FIXTURES (Cont'd)</b>					
Wrot hardwood Mkoango					
A	20mm Thick shelves with 25x10mm lipping at the edges	12	m <sup>2</sup>	350,000	4,200,000
B	25x100mm High skirting fixed to RHS frames	24	m	35,000	840,000
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 <sup>2</sup>	25,000	420,000
Kitchen top					
D	25mm Thick precast marble unit laid on top of concrete worktop by special adhesive complete with appox acidic resistance materials on top.	20	m <sup>2</sup>	280,000	5,600,000
E	Ditto; 25x75mm high fascia board	68	m	21,000	1,428,000
Metal work					
F	25x25mm Mild steel rectangular hollow sections (RHS) framing welded together, grinding and polishing welded connections to a smooth finish including prepare and apply primer	68	m	6,250	425,000
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 <sup>2</sup>	7,500	360,000
To collection					13,273,000

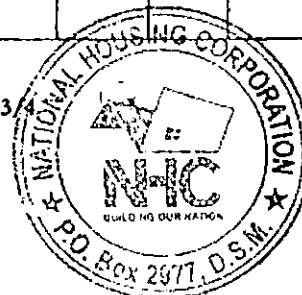


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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>FITTINGS AND FIXTURES (Cont'd)</b>					
Porcelain floor tiles Ex-Spanish or any other equal and approved type fixed to screeded bed (M.S) and pointing joints with grout					
A	150mm High skirting tiles	24	m	9,450	226,800
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 <sup>2</sup>	55,000	1,100,000
Beds and backing					
Cement and Sand (1:4) with wood floated surface finish					
C	12mm Thick backing to receive skirting tiles	24	m <sup>2</sup>	7,500	180,000
Prepare and apply one thinned coat and two full coats of acrylic paint on:					
D	Plastered walls	48	m <sup>2</sup>	7,000	336,000
Prepare and apply three coats of polyurethane varnish on wood surfaces					
E	Frames and the like not exceeding 100mm girth	24	m	700	16,800
F	General surfaces	24	m <sup>2</sup>	7,000	168,000
To collection					2,027,600

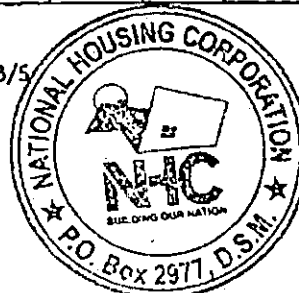


Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>FITTINGS AND FIXTURES (Cont'd)</b>					
Prepare, prime and apply one undercoat and two finishing coats of gloss paint on metal surfaces					
A	Frames and the like not exceeding 100mm girth  Stainless steel	68	m	700	47,600
B	150x100mm Cable tray  (End of 1nr counter at the nurse call stations)	24	m	30,000	720,000
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 <sup>2</sup>	26,000	572,000
D	75mm Thick work top  Steel fabric reinforcement to BS 4483:1997	26	m <sup>2</sup>	19,950	507,000
E	Square mesh fabric ref. A252 weighing 2.22Kg per square metres	26	m <sup>2</sup>	25,000	650,000
To collection					2,496,600





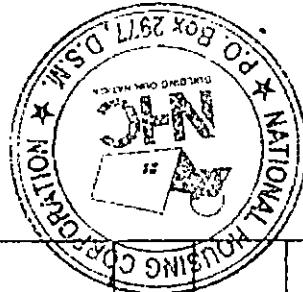
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>FITTINGS AND FIXTURES (Cont'd)</b>					
Sawn formwork to					
A	Soffits of worktop	26	m <sup>2</sup>	19,000	494,000
B	Edges of plinth over 75 but not exceeding 150mm high	38	m	2,850	108,300
C	Edges of worktop not exceeding 75mm high	33	m	1,425	47,025
Wrot hardwood Mkoango polished					
D	45 x 45mm Framing with one labour, plugged to block/concrete work	376	m	25,000	9,400,000
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	152,880	14,370,720
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	14,850	1,395,900
G	Cupboard lock set	47	nr	25,000	1,175,000
H	Brass pull knobs	94	nr	12,000	1,128,000
J	75mm long barrel bolt	94	nr	32,400	3,045,600
To collection					31,164,445



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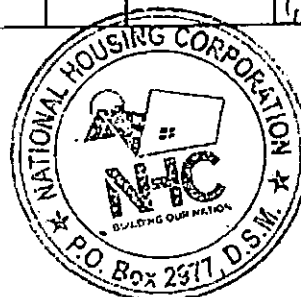
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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>FITTINGS AND FIXTURES (Cont'd)</b>				
	Walling				
A	100mm Wall Solid concrete blocks with the crushing strength not less than 7MPa, bedded and jointed in cement mortar (1:3)	15	m <sup>2</sup>	33,000	495,000
B	Kitchen top 25mm Thick precast marble unit laid on top of concrete worktop by special adhesive complete with appox acidic resistance materials on top.	26	m <sup>2</sup>	380,000	7,280,000
C	15mm To block work walls Plastering in two coats including skimming with white cement steel trowelled to a smooth finish	30	m <sup>2</sup>	7,000	210,000
D	Plastered walls Prepare and apply one thinned coat and two full coats of acrylic paint on:	30	m <sup>2</sup>	7,000	210,000
B	General surfaces Prepare and apply three coats of polyurethane varnish on wood surfaces	73	m <sup>2</sup>	7,000	511,000
	(End of concrete worktops with underside cabinets in the laboratories)				
	To collection				8,721,000



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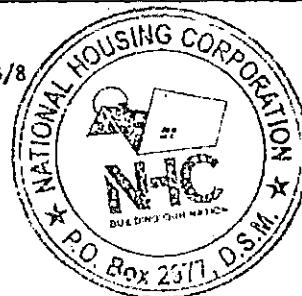
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>FITTINGS AND FIXTURES (Cont'd)</b>					
The following are in 4m worktops at the NHIF counters					
Reinforced insitu concrete grade 20 in					
A	75mm Thick work top	3	m <sup>2</sup>	19,500	58,500
Steel fabric reinforcement to BS 4483:1997					
B	Square mesh fabric ref. A252 weighing 2.22Kg per square metres	3	m <sup>2</sup>	25,000	75,000
Sawn formwork to					
C	Soffits of worktop	3	m <sup>2</sup>	19,000	57,000
D	Edges of worktop not exceeding 75mm high	10	m	1,425	14,250
Wrot hardwood Mkongo polished					
E	45 x 45mm Framing with one labour, plugged to block/concrete work	10	m	25,000	250,000
Kitchen top					
F	25mm Thick precast marble unit laid on top of concrete worktop by special adhesive complete with appox acidic resistance materials on top.	3	m <sup>2</sup>	280,000	840,000
Prepare and apply three coats of polyurethane varnish on wood surfaces					
G	Frame and the like not exceeding 100mm girth	10	m	7,000	70,000
(End of worktops at the NHIF counters)					
To collection					1,364,750



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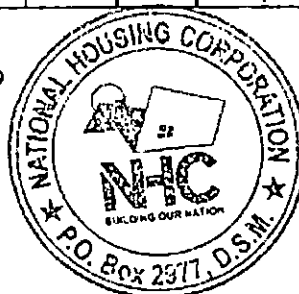
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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>FITTINGS AND FIXTURES (Cont'd)</b>					
The following are in 34nr concrete worktops with underside cabinets to accommodate handwash basins, 8nr overall size 2000mm long x 600mm wide x 900mm high, 16nr 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 <sup>2</sup>	26,000	520,000
Reinforced insitu concrete grade 20 in					
B	75mm Thick work top	24	m <sup>2</sup>	19,500	468,000
Steel fabric reinforcement to BS 4483:1997					
C	Square mesh fabric ref. A252 weighing 2.22Kg per square metres	24	m <sup>2</sup>	25,000	600,000
Sawn formwork to					
D	Soffits of worktop	24	m <sup>2</sup>	19,000	456,000
E	Edges of plinth over 75 but not exceeding 150mm high	89	m	2,850	253,650
F	Edges of worktop not exceeding 75mm high	93	m	1,425	132,525
G	Boxing to form opening 2630mm girth to house wash hand basin to 75mm thick concrete worktop	50	nr	15,000	750,000
To collection					3,180,175



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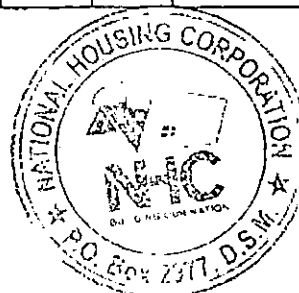
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>FITTINGS AND FIXTURES (Cont'd)</b>					
Wrot hardwood Mkongo polished					
A	45 x 45mm Framing with one labour, plugged to block/concrete work	416	m	25,000	10,400,000
B	25mm Thick door size 480 x 770mm high not exceeding 1square metre, comprising 25 x 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	129,360	8,279,040
C	Ditto; door size 400 x 770mm high; ditto	20	nr	107,800	2,156,000
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	14,850	1,247,400
E	Cupboard lock set	42	nr	25,000	1,050,000
F	Brass pull knobs	84	nr	12,000	1,008,000
G	75mm Long barrel bolt	84	nr	32,400	2,721,600
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 <sup>2</sup>	33,000	165,000
To collection					27,027,040



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Item	Descriptions	Qty	Unit	Rate	Amount in Tsbs
<b>FITTINGS AND FIXTURES (Cont'd)</b>					
	<b>Kitchen top</b>				
A	25mm Thick precast marble unit laid on top of concrete worktop by special adhesive complete with appox acidic resistance materials on top.	24	m <sup>2</sup>	280,000	6,720,000
B	Plastering in two coats including skimming with white cement steel trowelled to a smooth finish 15mm To block work walls	10	m <sup>2</sup>	7,500	75,000
C	Prepare and apply one thinned coat and two full coats of acrylic paint on: Plastered walls	10	m <sup>2</sup>	7,000	70,000
D	Prepare and apply three coats of polyurethane varnish on wood surfaces General surfaces	82	m <sup>2</sup>	7,000	574,000
	(End of concrete worktops with underside cabinets to accomodate handwash basins)				
	<b>To collection</b>				7,439,000



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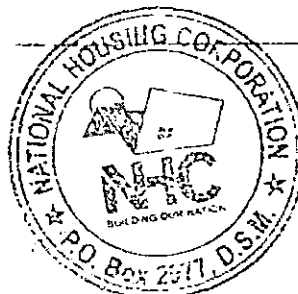
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	FITTINGS AND FIXTURES (Cont'd)				
	COLLECTION				
	Page 2/13/1				2,687,400
	Page 2/13/2				13,273,000
	Page 2/13/3				2,027,600
	Page 2/13/4				2,446,600
	Page 2/13/5				31,164,945
	Page 2/13/6				8,721,000
	Page 2/13/7				1,364,750
	Page 2/13/8				3,180,175
	Page 2/13/9				27,027,040
	Page 2/13/10				7,439,000
	<b>ELEMENT NR. 13: FITTINGS AND FIXTURES TOTAL CARRIED TO SUMMARY OF BILL NR. 2</b>				<b>99,381,110</b>



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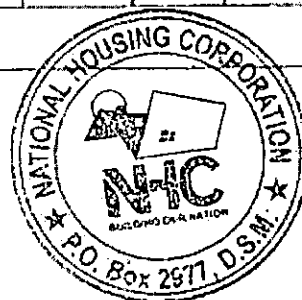
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>ELEMENT NR.14 - FOUL WATER DRAINAGE (PROVISIONAL)</b>				
	<b>EXCAVATION</b>				
	Starting Levels				
	All excavations and plunking and strutting start at ground level				
	Excavating trenches to receive pipe not exceeding 150mm nominal size; grade and 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	3,600	342,000
B	1000mm	64	m	4,500	288,000
	Disposal of water				
	Keeping the surface of the site and the excavations free of				
C	General water		item		500,000
	Beds, benchings and coverings, imported sand				
	Beds and surrounds				
D	100mm Thick with 150mm top cover to 100mm and 150mm diameter pipes	150	m	10,000	1,500,000
	Pipe: UPVC pipe and fittings, BS 4660; solvent weld joints				
E	100mm Diameter	53	m	13,000	689,000
F	150mm Diameter	106	m	15,000	1,590,000
	<b>To Collection</b>				<b>4,999,000</b>



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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>FOUL WATER DRAINAGE (Contd)</b>				
	<b>MANHOLES (16NR.)</b>				
	Excavating pits, plunking and strutting				
A	not exceeding 1.50m deep	78	m <sup>3</sup>	4,500	351,000
	Bottoms of excavations				
B	Levelling, compacting	74	m <sup>2</sup>	3,500	259,000
	Disposal of water; keeping the surface of the site and the excavations free of				
C	General water		Item		100,000
D	Extra over any kind of excavation for breaking up rock and the like	2	m <sup>3</sup>	25,000	50,000
	Disposal of excavated material				
E	Removing from site	78	m <sup>3</sup>	5,200	405,600
	In situ concrete; Grade 15				
F	Beds; laid on earth or hardcore; 150mm thick	37	m <sup>2</sup>	36,000	1,332,000
G	700 x 700 x average 20mm benching; finished with 13mm cement and sand (1:2) trowelled smooth including forming 100mm half round straight main channel	3	nr	15,000	45,000
H	Ditto, including forming 100mm half round straight main channel and 100mm branch channels	6	nr	15,000	90,000
J	Ditto, including forming 150mm half round straight main channel and 150mm branch channels	7	nr	15,000	105,000
	Reinforced concrete grade '25' including vibrating around reinforcement				
K	100mm Thick top slab	27	m <sup>2</sup>	29,500	796,500
	To Collection				3,534,100

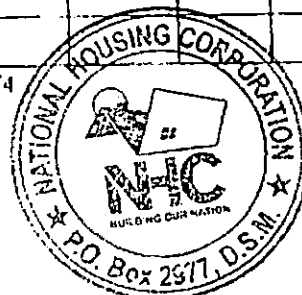


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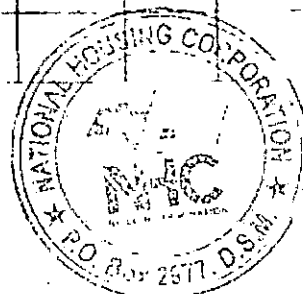
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>FOUL WATER DRAINAGE (Contd)</b>				
	The following are in 1 Nr Septic tank (Provisional)				
	Excavation and earthwork				
A	Excavate pit not exceeding 1.50 metres deep commencing at ground level	34	m <sup>3</sup>	4,500	153,000
B	Ditto over 1.50 but not exceeding 3.00 metres deep ditto	33	m <sup>3</sup>	5,500	181,500
C	Grade bottoms of excavations to slope	17	m <sup>2</sup>	3,500	59,500
D	Extra over any kind of excavation for breaking up rock and	3	m <sup>3</sup>	25,000	75,000
E	Load up surplus excavated material and remove from site	34	m <sup>3</sup>	5,200	176,800
F	Allow for keeping excavations free from water (except spring or running water) by pumping, baling or other means necessary		Item		50,000
G	Allow for the provision and subsequently removal of planking and strutting to uphold and maintain all faces of excavations		Item		50,000
	Concrete work				
	Plain concrete grade "20"				
H	120mm Bed	19	m <sup>2</sup>	31,200	592,800
	Reinforced concrete grade "25" including vibrating around reinforcement				
J	125mm Horizontal suspended slab	16	m <sup>2</sup>	36,875	590,000
	High yield strength deformed type 2 steel bar reinforcement to BS4449:1969				
K	12mm Diameter bars	300	kg	3,700	1,110,000
	Sawn formwork to				
L	Horizontal soffits of suspended slab	16	m <sup>2</sup>	19,000	304,000
M	Vertical edge of slab over 75 but not exceeding 150mm high	17	m	2,850	48,450
N	Boxing to form rebated opening size 450 x 600mm to 100mm thick slab	4	nr	10,000	40,000
	To collection				3,481,050



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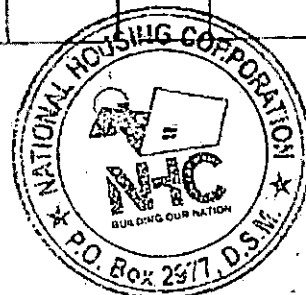
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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>FOUL WATER DRAINAGE (Contd)</b>					
A	Precast concrete grade "25"  230mm Thick precast concrete baffle wall size 3230 x 2250mm overall, reinforced with and including fabric reinforcement type A252 weighing 3.95 kg per square metre, finished fair including hoisting and fixing to position	1	nr	314,770	314,770
B	Solid concrete blocks to BS 2028 type "A" bedded and jointed in cement mortar (1:4)  150mm Wall	3	nr	38,000	114,000
C	230mm Wall	30	nr	44,000	1,320,000
D	300mm Wall	20	nr	54,000	1,080,000
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	5,000	50,000
F	Build end of the 100mm pipe into 230mm blockwall and make good rendering	2	nr	5,000	50,000
G	Cement and sand (1:3) rendering with approved waterproofing additive in two coats steel trowelled to a smooth finish  15mm To walls	50	m <sup>2</sup>	7,000	600,000
H	30mm Cement and sand (1:4) flooring trowelled to a smooth finish	10	m <sup>2</sup>	9,000	171,000
J	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  Light duty single seal manhole cover and frame, size 610 x 467mm	6	nr	70,000	420,000
K	100 x 100mm Cast iron spigot and socket tee  (End of INr. Septic tank)	2	nr	15,000	30,000
To collection					4,114,770



JM

Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>FOUL WATER DRAINAGE (Contd)</b>					
The following in 1 No. Soakaway pit, 3000mm internal diameter					
Excavation and earthwork					
A	Excavate pit commencing at ground level and not exceeding 1.50 metres deep	34	m <sup>3</sup>	4,500	153,000
B	Excavate pit commencing at ground level over 1.50 but not exceeding 3.00 metres deep	34	m <sup>3</sup>	5,500	187,000
C	Earth backfilling, well rammed and consolidated around walls	16	m <sup>3</sup>	4,500	72,000
D	Load up surplus excavated material and remove from site	22	m <sup>3</sup>	5,200	114,400
E	Allow for keeping excavations free from general water		Item		50,000
F	230mm Thick selected approved clean aggregate filling, 50-75mm diameter in soakaway pit base	26	m <sup>2</sup>	26,000	676,000
G	Allow for the provision and subsequent removal of planking and strutting to uphold and maintain all faces of excavations		Item		50,000
Concrete work					
Reinforced concrete grade "20" including vibrating around reinforcement					
H	100mm Horizontal suspended slab	8	m <sup>2</sup>	26,000	208,000
High yield strength deformed type 2 steel bar reinforcement to BS4449:1969					
J	12mm Diameter bars	220	kg	3,700	814,000
Sawn formwork to					
K	Horizontal soffits of suspended slab	14	m <sup>2</sup>	19,000	266,000
L	Curved cutting sawn formwork	20	m	19,000	380,000
M	Vertical edge of slab over 75 but not exceeding 150mm high, curved to 1980mm mean radius	24	m	2,850	68,400
N	Boxing to form recessed opening size 600 x 600mm to 100mm thick slab	2	no	10,000	20,000
To collection					3,058,800



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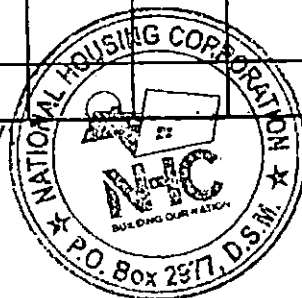
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Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>FOUL WATER DRAINAGE (Contd)</b>					
	Solid concrete blocks to BS 2028 type "A" bedded and jointed in cement mortar (1:4)				
A	230mm Wall curved to 1865mm mean radius	23	m <sup>2</sup>	44,000	1,012,000
B	Build end of the 150mm pipe into 230mm blockwall and make good rendering	1	m	5,000	5,000
	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	m <sup>2</sup>	70,000	70,000
	Testing				
D	Allow for testing the whole of foul water drainage system to the Project manager's satisfaction		Items		200,000
To collection					1,287,000
<b>COLLECTION</b>					
	Page 2/14/1				4,999,000
	Page 2/14/2				3,534,100
	Page 2/14/3				9,466,500
	Page 2/14/4				3,431,000
	Page 2/14/5				4,114,770
	Page 2/14/6				3,058,800
	Page 2/14/7				1,287,000
<b>ELEMENT NR.14: FOUL WATER DRAINAGE TOTAL CARRIED TO SUMMARY OF BILL NR.2</b>					<b>30,391,270</b>



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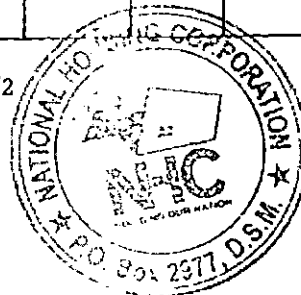
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
<b>ELEMENT NR.15 - SITE WORKS (PROVISIONAL)</b>					
<b>ROADS AND PARKING AREAS (Selected Areas)</b>					
<b>Excavation and Earthworks</b>					
A	Excavate oversite average 150mm deep to remove top soil, convey average 50 linear meters and deposit in temporary spoil heaps	750	m <sup>2</sup>	1,000	750,000
<b>Surface treatments</b>					
B	240mm compacted gravel sub-base	750	m <sup>2</sup>	10,500	7,875,000
C	120mm laying course after compaction	750	m <sup>2</sup>	6,500	4,875,000
<b>Hardcore</b>					
D	150mm Thick bed, blinded and compacted, graded to receive paving blocks	750	m <sup>2</sup>	17,500	13,125,000
<b>Concrete Paving blocks and kerbs</b>					
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 <sup>2</sup>	57,000	42,750,000
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	50,000	12,000,000
To collection					81,375,000



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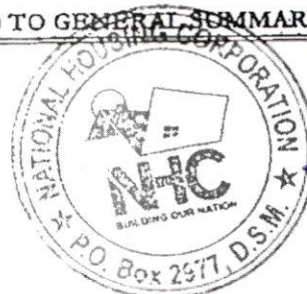
Item	Descriptions	Qty	Unit	Rate	Amount in Tshs
	<b>SITE WORKS (PROVISIONAL) (CONTD)</b>				
	<b>SOFT LANDSCAPING</b>				
	<b>Planting Grass</b>				
A	Rake soil to a fine tilth and fertilize with approved imported black garden soil mixed with manure at (1:6) ratio spread and level on site average 150mm thick	200	m <sup>2</sup>	3,500	700,000
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 <sup>2</sup>	2,500	500,000
	<b>Planting trees</b>				
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	ur	65,000	650,000
	<b>Planting hedges</b>				
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	20,000	4,800,000
	<b>To Collection</b>				6,650,000
	<b>COLLECTION</b>				
	Page 2/15/1				81,375,000
	Page 2/15/2				6,650,000
	<b>ELEMENT NR.15: SITE WORKS TOTAL CARRIED TO SUMMARY OF BILL NR.2</b>				88,025,000



JM



Item	Descriptions	Amount in Tshs
	BILL NR. 2 - MEASURED WORK	
	SUMMARY	
	ELEMENT NR. 1 - SUBSTRUCTURE	448,124,050
	ELEMENT NR. 2 - FRAME	469,861,000
	ELEMENT NR. 3 - STAIRS	18,321,470
	ELEMENT NR. 4 - WALLING AND PARTITIONING	147,563,500
	ELEMENT NR. 5 - ROOFING	322,979,650
	ELEMENT NR. 6 - DOORS	206,976,355
	ELEMENT NR. 7 - WINDOWS	82,209,553
	ELEMENT NR. 8 - FINISHINGS	508,767,725
	ELEMENT NR. 9 - PAINTING AND DECORATIONS	57,425,900
	ELEMENT NR. 10 - PLUMBING AND ENGINEERING INSTALLATIONS	288,699,500
	ELEMENT NR. 11 - ELECTRICAL INSTALLATION	<del>571,585,000</del> 502,145,800
	ELEMENT NR. 12 - AIR CONDITIONING INSTALLATION	146,060,000
	ELEMENT NR. 13 - FITTINGS AND FIXTURES	99,381,110
	ELEMENT NR. 14 - POUL WATER DRAINAGE	30,391,220
	ELEMENT NR. 15 - SITE WORKS	88,025,000
	BILL NR. 2: MEASURED WORK - TOTAL CARRIED TO GENERAL SUMMARY	3,486,371,033



3,417,431,033.80

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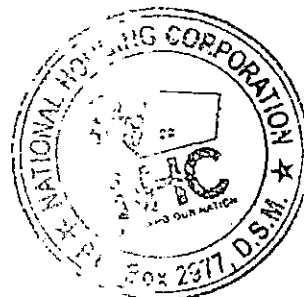
GENERAL SUMMARY

ITEM	DESCRIPTION	Amount in T.shs
A	BILL NR.1 - PRELIMINARIES	127,000,000
B	BILL NR.2 - MEASURED WORK	3,486,371,033 X 3,148,431,033
C	BILL NR.3 - PRIME COSTS AND PROVISIONAL SUMS	43,450,000
	<b>SUB-TOTAL</b>	3,656,821,033 X 3,587,881,033
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 14,627,284.13
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 14,627,284.13
F	Allow for the cost of providing sureties for 10% of the contract sum as clause 5.4 of the conditions of the contract.	Item 14,627,284.13
	<b>SUB-TOTAL</b>	3,700,702,885.14 X 3,631,762,885
	<b>ADD: VAT, 18%</b>	666,126,519.33 X 653,717,319.14
	<b>TOTAL FOR FIXED PRICE CARRIED TO FORM OF BID</b>	4,366,829,404.47 X

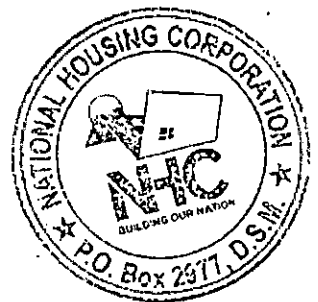
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4,285,480,204.

GM



APPENDIX I - SCHEDULE OF  
DAYWORKS



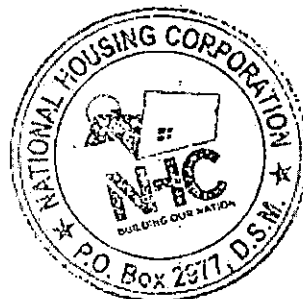
181

ITEM	DESCRIPTION	UNIT	RATE
	<b>SCHEDULE OF DAYWORKS</b>		
	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		
	<b>LABOUR</b>		
A	Waller	Hr	35,000
B	Carpenter	Hr	35,000
C	Joiner	Hr	35,000
D	Welder	Hr	30,000
E	Plumber	Hr	30,000
F	Electrician	Hr	30,000
G	Plasterer	Hr	25,000
H	Glazier	Hr	25,000
I	Painter	Hr	30,000
K	Labourer (skilled)	Hr	30,000
L	Labourer (unskilled)	Hr	15,000
M	To the basic net rates of labour used for work carried out on dayworks, an addition of 10% is required to include for work and incentive scheme, tools, standing scaffolding, supervision, insurance, transport, profit and all overheads		



JM

ITEM	DESCRIPTION	UNIT	RATE
	<b>MATERIALS</b>		
A	Cement	Tonnes	320,000
B	Sand (fine aggregates)	m <sup>3</sup>	25,000
C	Aggregates (37mm)	m <sup>3</sup>	100,000
D	Aggregates (grade 10 - 15)	m <sup>3</sup>	100,000
E	Steel reinforcement (mild steel)	kg	2,800
F	Steel reinforcement (high tensile steel)	kg	2,800
G	Sawn timber (podocarpus)	m <sup>3</sup>	350,000
H	Wrot timber (mninga)	m <sup>3</sup>	850,000
J	Wrot timber (mahogany)	m <sup>3</sup>	450,000
K	Hydrated lime	Litres	5,000
L	Paint, gloss	Litres	6,000
M	Paint, matt	Litres	6,000
N	Paint, emulsion	Litres	1,500
P	Paint, linseed oil	Litres	6,000
Q	Paint, wood preservative (PX 65)	Litres	6,000
R	Polyurethane varnish	Litres	6,000
S	To the basic net rates of materials used for work carried out on dayworks, an addition of 40% is required to include for work and incentive scheme, tools, standing scaffolding, supervision, insurance, transport, profit and all overheads		



JM

AA

ITEM	DESCRIPTION	UNIT	RATE
	<b>PLANT</b>		
A	Excavator loader (5 capacity)	1Hr	1,300,000
B	Bulldozer (1.1 capacity)	1Hr	1,400,000
C	Motor grader (11.1 tonnes)	1Hr	1,300,000
D	Dumper (1.25 tonnes)	1Hr	800,000
E	Lorry (7 tonnes tipper)	1Hr	400,000
F	Roller (1.3 tonnes vibrator)	1Hr	800,000
G	Roller (10 tonnes vibrator)	1Hr	1,300,000
H	Portable compressor (with hoses)	1Hr	800,000
J	Pneumatic hammer (25kg)	1Hr	800,000
K	Portable electric welding set	1Hr	150,000
L	Concrete mixer (14/10) with batching plant	1Hr	100,000
M	Concrete vibrator (poker type)	1Hr	90,000
N	50mm Self priming centrifugal pump with hose and ancillary equipment	1Hr	175,000
P	To the basic net rates of plant used for work carried out on dayworks, an addition of 40% is required to include for work and incentive scheme, tools, standing scaffolding, supervision, insurance, transport, profit and all overheads		

2,534,291,600

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1,888,662,49.6

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DRAWINGS

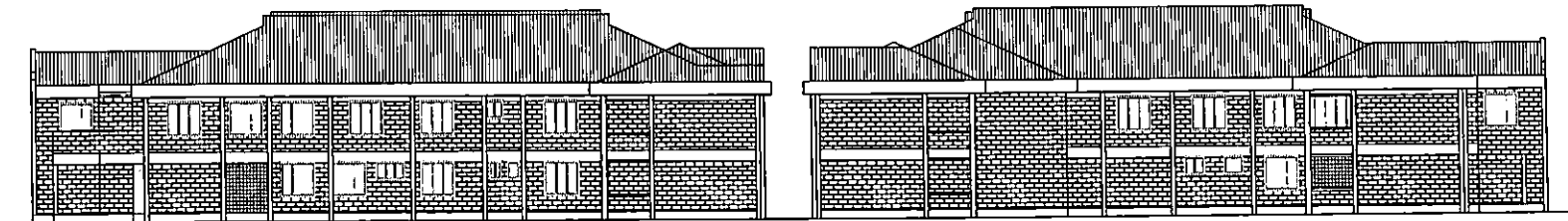




FRONT ELEVATIONS



BASE FLOOR PLAN



RIGHT SIDE ELEVATIONS

LEFT SIDE ELEVATIONS

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

Approved

No.	Description	Date

Client  
 MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT,  
 GENDER, ELDERLY AND CHILDREN.  
 Project  
 PROPOSED OPD BLOCK FOR  
 REGIONAL REFERRAL HOSPITAL.

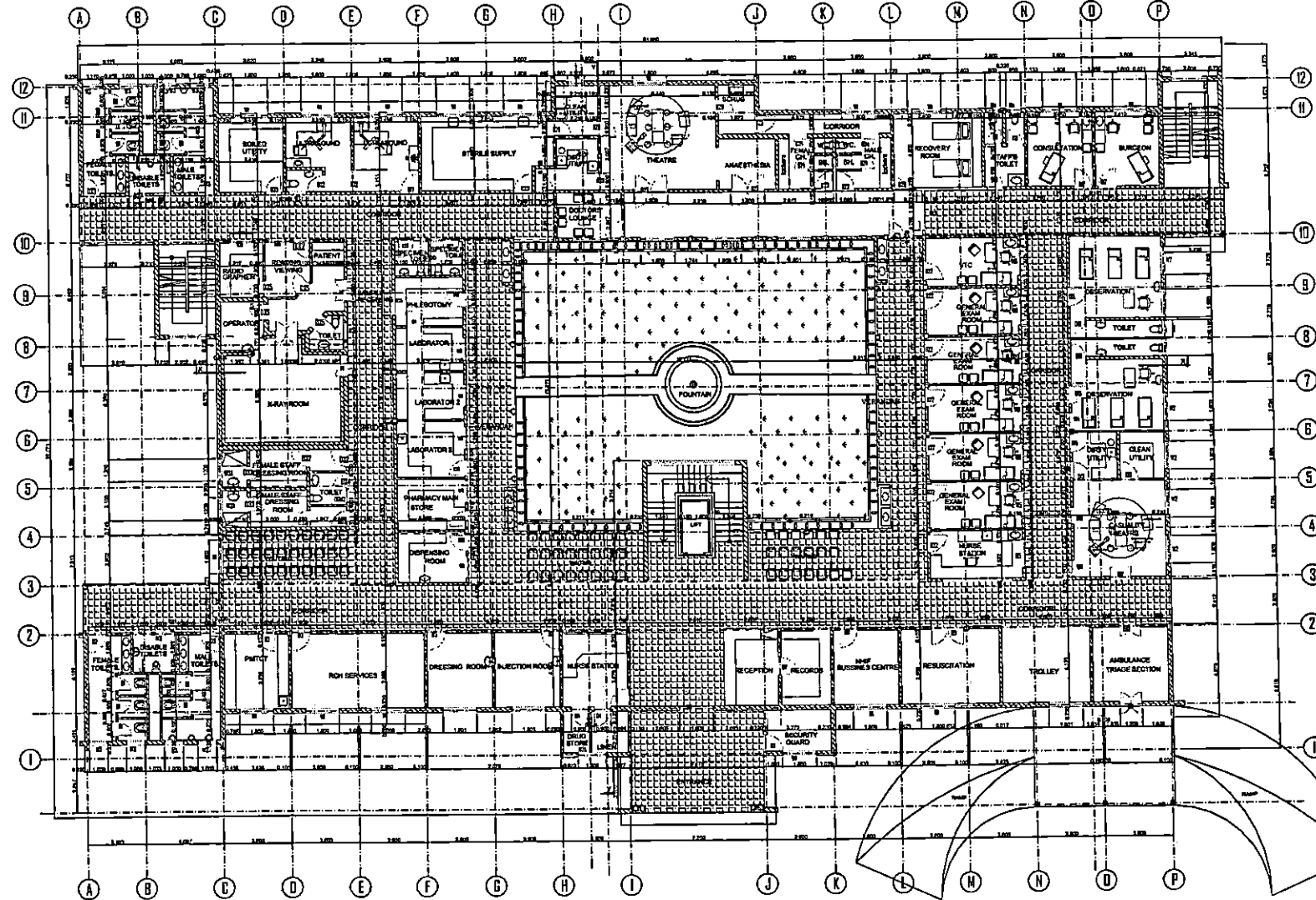
ELEVATIONS OPD

Project number	2021/04/29	A105
Date	29 April 2021	
Drawn by	BONIFACE VICTOR	Scale 1 : 100
Checked by	BONIFACE VICTOR	

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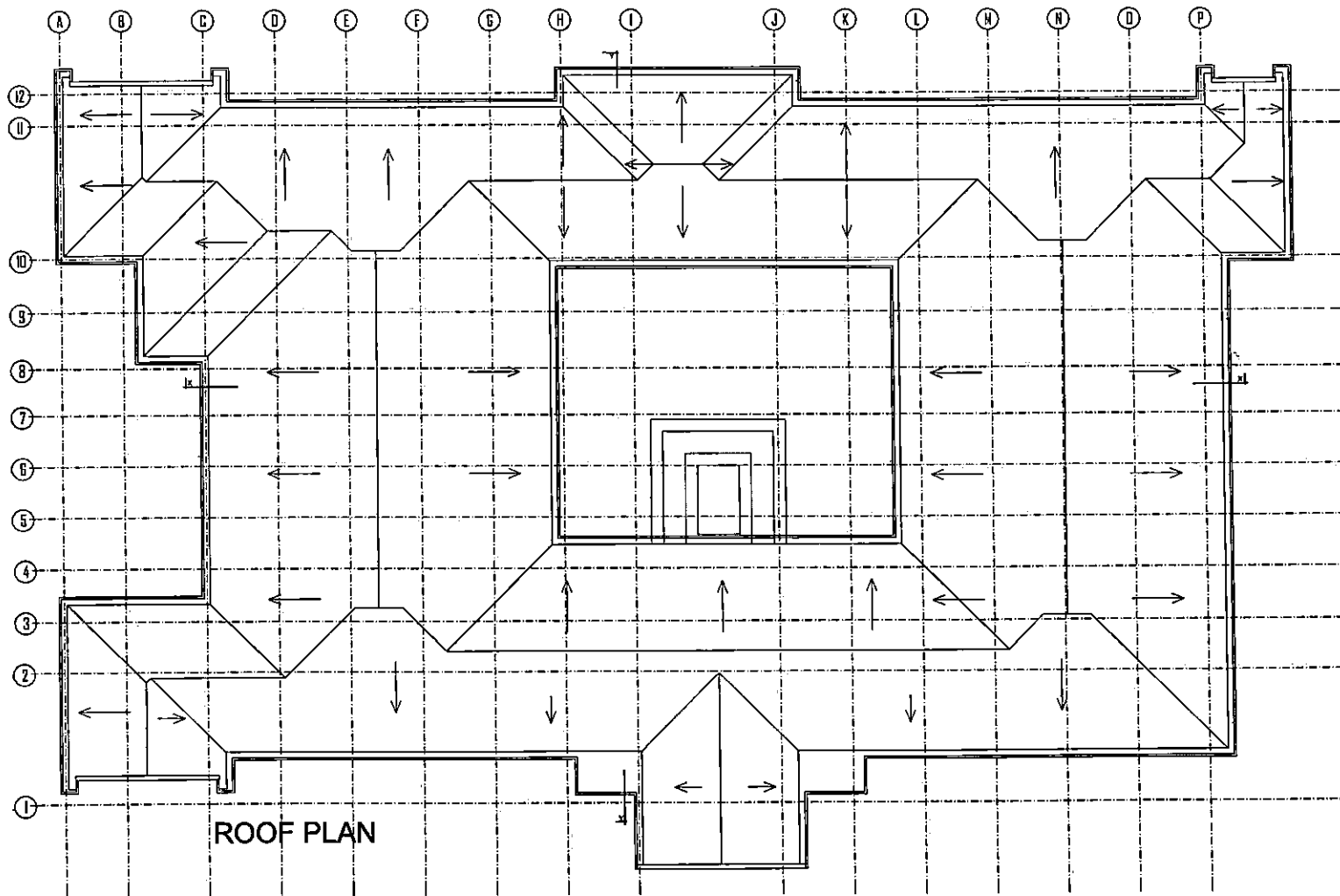




GROUND FLOOR PLAN (O.P.D BLOCK)

Building Section Policy and Planning Department Ministry of Health, Community Development, Gender, Elderly and Children Government City-Mumbai Aya 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> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	No.	Description	Date													Clerk <b>MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT,          GENDER, ELDERLY AND CHILDREN.</b>  Project <b>PROPOSED OPD BLOCK FOR          REGIONAL REFFERAL HOSPITAL.</b>	<b>FLOOR PLAN OPD</b>  Project number 2021/04/20 Date 29 April 2021 Drawn by BONIFACE VICTOR Checked by BONIFACE VICTOR Scale 1 : 100	A101
			No.	Description	Date															
Building Section Policy and Planning Department Ministry of Health, Community Development, Gender, Elderly and Children Government City-Mumbai Aya Road/Street P.O. Box 743 40478, DODOMA				Scale 1 : 100	A101															

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ROOF PLAN

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

Approved

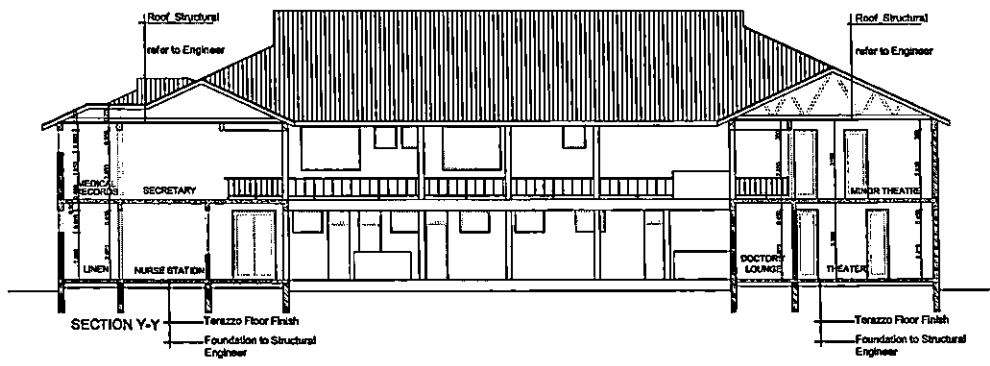
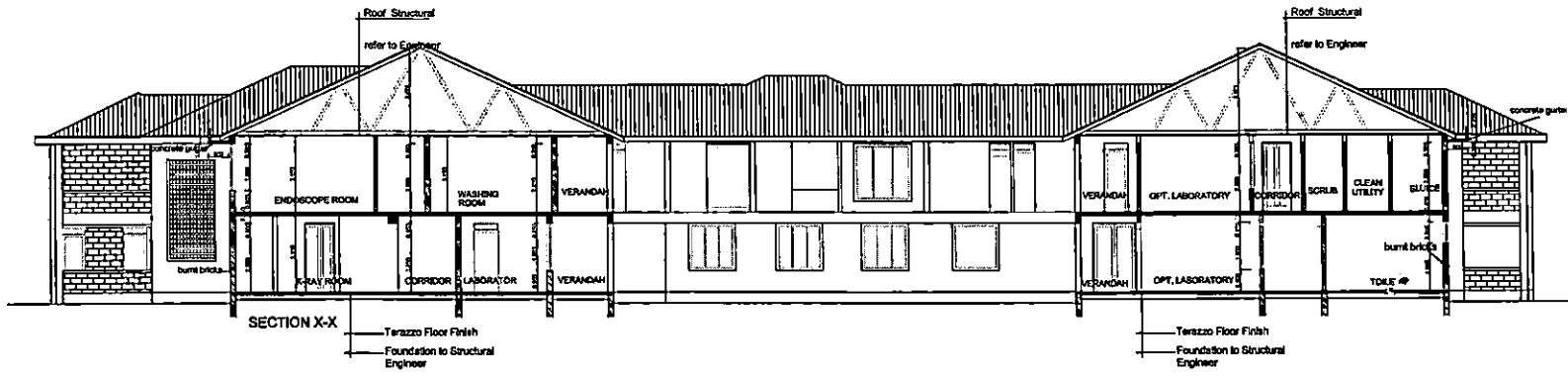
No.	Description	Date

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	A103
Date	29 April 2021	
Drawn by	BONIFACE VICTOR	Scale 1:100
Checked by	BONIFACE VICTOR	

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Building Section Policy and Planning Department Ministry of Health, Community Development, Gender, Elderly and Children Government City-Mumbai Ayoa Road/Street P.O. Box 743 49478, DODOMA	Approved  	No.	Description	Date	Client <b>MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT,          GENDER, ELDERLY AND CHILDREN.</b>  Project <b>PROPOSED OPD BLOCK FOR          REGIONAL REFERRAL HOSPITAL</b>	<b>SECTION OPD</b>	
						Project number 2021/04/20 Date 29 April 2021 Drawn by BONIFACE VICTOR Checked by BONIFACE VICTOR	A104  Scale 1:100

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