

**THE UNITED REPUBLIC OF TANZANIA**

**MINISTRY OF HEALTH**



**CONTRACT FOR CONSTRUCTION OF HEALTH PROMOTION  
CENTRE UNDER TANZANIA COVID-19 SOCIAL ECONOMIC  
RECOVERY PLAN (TCRP) AT NJENDENGWA AREA DODOMA**

**Between**

**PERMANENT SECRETARY,**

**MINISTRY OF HEALTH,**

**P.O.BOX 743,**

**40478 DODOMA**

**and**

**M/s WATUMISHI HOUSING INVESTMENT**

**P.O. BOX 5119,**

**DAR ES SALAAM.**

**CONTRACT NO ME/007/2021-2022/HQ/W/12**

**APRIL, 2022**

## Form of Contract

This Contract, made the .....<sup>29</sup>..... day of <sup>April</sup>..... 2022 between the **PERMANENT SECRETARY, MINISTRY OF HEALTH** of P.O. Box 743 DODOMA (hereinafter called "the Employer")

AND

**WATUMISHI HOUSING INVESTMENT** P.O Box 5119, DAR ES SALAAM. (Hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute **ME/007/2021-2022/HQ/W/12 PROPOSED CONSTRUCTION OF HEALTH PROMOTION CENTRE PROCUREMENT UNDER TANZANIA COVID 19NSOCIAL 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 (2,184,592,221.17) VAT Inclusive** (hereinafter called "Contract Price").

Now this Agreement witnesses as follows:


1. In this Contract, 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 Contract
2. The following documents attached hereto shall be deemed to form an integral part of this Contract:
  - i). Form of Contract
  - ii). Special Condition of Contract
  - iii). General Condition of Contract
  - iv). Letter of Notification to award
  - v). Letter of Acceptance
  - vi). Negotiation minutes
  - vii). Priced Bill of Quantity
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.


such other sum TZS Two Billion One Hundred Eighty Four Million Five Hundred Ninety Two Thousand Two Hundred Twenty One Seventeen cents(2,184,592,221.17) VAT Inclusive for the end of June 2022 as may become payable under provision of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Contract to be executed the day and year first before written.

For and on behalf of the Ministry of Health


In the presence of


  
.....  
Signature of Authorized representative  
(Name) Immanuel Macha  
(Occupation) Haimu Habibu Mkuu  
(Address) P.O. Box 743 - Dodoma

  
.....  
Signature  
(Name) DICKSON RUVANANDA  
(Occupation) LEGAL OFFICER  
(Address) P.O. Box 743, DODOMA

For and on behalf of the WATUMISHI HOUSING INVESTMENTS

In the presence of

  
.....  
Signature of Authorized representative  
(Name) DR FRED MSEMWA  
(Occupation) CEO  
(Address) Box 5119 DSM.

  
.....  
Signature  
(Name) SEPHANIA SOKO  
(Occupation) COO  
(Address) P.O. Box 5119, DSM

**SPECIAL CONDITIONS OF CONTRACT**



**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 <b>365 days</b></p> <p>The Employer is  <b>Ministry of Health</b>  <b>P. O. Box 743, 40478</b>  <b>Dodoma,</b>  <b>Telephone: +255- 22-2342000/5</b>  <b>Electronic mail address: ps@afya.go.tz</b></p> <p>1. The name and identification number of the Contract is  MoH/007/2021-2022/HQ/W/28</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>Six months from the date of site possession.</b></p> <p>The Site is located at <b>Ndejengwa Dodoma</b>. And is defined in drawings.</p>
2	2.2	Indicate whether sectional completion is specified "NOT Specified"
3	2.3	<p>List other documents that form part of the contract if any:</p> <ul style="list-style-type: none"> <li>i. Form of Tender</li> <li>ii. Special Condition of Contract</li> <li>iii. General Condition of Contract</li> <li>iv. Letter of Notification to award</li> </ul>

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		v.Negotiation minutes. vi.Priced Bill of Quantities.
4.	4.1	The language of the Contract documents is English The law that applies to the Contract is: the Laws of Tanzania.
5.	7.1	Address for communication Employer's : Ministry of Health Government City, P.O Box 743, Dodoma.  Contractors: Watumishi Housing Investments, P.O Box 5119 Dar es salaam.
6.	12.1	Pursuant to FFP Clause 11, the Tenderer shall furnish, as part of its Tender, documents establishing the Tenderer's eligibility to Tender and its qualifications to perform the contract if its Tender is accepted.
7.	16.1	(a) for loss of or damage to the Works, Plant, and Materials Tzs 50,000,000(Tanzanian Shilling: Fifty Million Only)  (b) For loss of or damage to Equipment TZS 30,000,000(Tanzanian Shillings Thirty Million)  (c) For loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract 50,00,000(Tanzanian Shillings Fifty Million ONLY)  (d) The minimum cover for Personal injury or death (a) for the contractor employees is TZS 20,000,000(Tanzania Shillings Twenty Million only)  (b) And for other people TZS 20,000,000(Tanzanian Shillings Twenty million)
8.	17.1	Site investigation reports available to the tenderer are: a. Topographic survey b. Site layout plan

		<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> <ol style="list-style-type: none"> <li>a. Minimizing the number of migrant workers employed on the project and household in the site camp</li> <li>b. Providing access to voluntary counseling and testing (VCT)</li> <li>c. Providing psychological support and health care including prevention and treatment of opportunistic infections for workers infected and affected, as well as their families</li> <li>d. Providing condoms (male and female) to workers</li> </ol>
10	27.1	The Site Possession Date shall be 7 days after the date of signing contract.
	31.1	<p>Hourly rate of Fees payable to the Adjudicator is to be determined</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> <li>• Transport TSHs to be determined by NCC per kilometer while at arbitration place using a private car</li> <li>• Transport to and from Njedengwa Dodoma.</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	<b>Appointing Authority for the Adjudicator is 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 Programmed updates is 30 days.</p> <p>The amount to be withheld for late submission of an updated Program is TZS 250,000.00 per week. Nonrefundable to Contractor.</p>

		v.Negotiation minutes. vi.Priced Bill of Quantities.
4.	4.1	The language of the Contract documents is English The law that applies to the Contract is the Laws of Tanzanian.
5.	7.1	Adress for communication Employer's : <b>Ministry of Health Government City, P.O Box 743, Dodoma.</b>  <b>Contractors Watumishi Housing Investments,P.O Box 5119 Dar es salaam.</b>
6.	12.1	Pursuant to ITT Clause 11, the Tenderer shall furnish, as part of its Tender, documents establishing the Tenderers eligibility to Tender and its qualifications to perform the contract if its Tender is accepted.
7.	16.1	(a) for loss of or damage to the Works, Plant, and Materials Tzs 50,000,000(Tanzanian Shillings Fifty Million Only)  (b) For loss of or damage to Equipment TZS 30,000,000(Tanzanian Shillings Thirty Million)  © For loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract 50,00,000(Tanzanian Shillings Fifty Million ONLY)  (d) The minimum cover for Personal injury or death (a) for the contractor employees is TZS 20,000,000(Tanzania Shillings Twenty Million only)  (b) And for other people TZS 20,000,000(Tanzanian Shillings Twenty million)
8.	17.1	Site investigation reports available to the tenderer are: a. Topographic survey b. Site layout plan

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		<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> <ol style="list-style-type: none"> <li>a. Minimizing the number of migrant workers employed on the project and household in the site camp</li> <li>b. Providing access to voluntary counseling and testing (VCT)</li> <li>c. Providing psychological support and health care including prevention and treatment of opportunistic infections for workers infected and affected, as well as their families</li> <li>d. Providing condoms (male and female) to workers</li> </ol>
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	31.1	<p>Hourly rate of Fees payable to the Adjudicator is to be determined</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> <li>• Transport TSHs to be determined by NCC per kilometer while at arbitration place using a private car</li> <li>• Transport to and from Ndejengwa Dodoma.</li> </ul>
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<b>C. Quality Control</b>		
15.	42.1	The Defects Liability Period is 365 days.
<b>D. Cost Control</b>		
16	50.7	Minimum amount of Interim Payment Certificate will be N/A
17	53.1	The Site possession date shall be 7 days after the date of signing contract
18.	52.1	The currency is Tanzania Shillings
19.	55.1	The contract is not subject to price adjustment in accordance with Clause 49 of the General Conditions of Contract N/A.
20.	56.1	The amount of retention is 10% of value of works of Interim Payment Certificate'. Limit of retention: 5% of contract price
21.	57.1	The amount of liquidated damages is 0.1 percent of contract price per day.
	57.1	The maximum amount of liquidated damages must be equivalent to the amount of the performance security 10%.
22.	58.1	The Bonus for early completion is N/A
24.	59.1	The amount of advance payment shall be 35% of advance payment upon submission of advance payment bond in the form of insurance bond from reputable insurer as the company under Government Entity.  Recovery of Advance Payments will be prorating controlled by project manager. Recovery to start when progress achieved at 30% and to be full covered at 80% of the project
25.	60.1	The Performance Security shall be the minimum amounts equivalent to 10% of the contract price in the form of:  (a) Bank Guarantee  The standard form of Performance Security acceptable to the Employer shall be "an Unconditional Bank Guarantee" of the type

**GENERAL CONDITIONS OF CONTRACT**

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1.	1.1	<p>The following words and expressions shall have the meanings hereby assigned to them:</p> <p>The <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> <p>The <b>Contractor's Tender</b> is the completed Tender document submitted by the Contractor to the Employer.</p> <p>The <b>Contract Price</b> is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.</p> <p><b>Days</b> are calendar days.</p> <p><b>Day-works</b> 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.</p>
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	<p>A <b>Defect</b> is any part of the Works not completed in accordance with the Contract.</p> <p>The <b>Defects Liability Certificate</b> is the certificate issued by Project Manager upon correction of defects by the Contractor at the end of defect liability period.</p> <p>The <b>Defects Liability Period</b> is the period stated in the <b>Special Conditions of Contract</b> and calculated from the Completion Date.</p> <p><b>Drawings</b> 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</p> <p><b>Effective Contract date</b> is the date shown in the Certificate of Contract Commencement issued by the Employer upon fulfilment of the condition's precedent stipulated in GCC 3 [Conditions Precedent].</p> <p>The <b>Employer</b> means the person named as employer in the SCC and the legal successors in title to this person.</p> <p><b>Equipment</b> is the Contractor's machinery and vehicles brought to the Site to execute the Works.</p> <p>The <b>Commencement Date</b> is the date when the Contractor shall commence execution of the Works as specified in the <b>Certificate of Contract Commencement</b>. The Commencement Date may be revised by the Project Manager in consultation with the employer by issuing an extension of time.</p> <p>The <b>Intended Completion Date</b> is the date on which it is intended that the Contractor shall complete the Works as specified in the <b>Special Conditions of Contract</b>.</p> <p><b>Materials</b> are all supplies, including consumables, used by the Contractor for execution of the Works.</p> <p><b>Months</b> mean calendar months.</p> <p><b>Plant</b> is any integral part of the Works that shall have a</p>
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	<p>mechanical electrical, chemical, or biological function.</p> <p>The <b>Project Manager</b> is the person named in the <b>Special Conditions of Contract</b> (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.</p> <p>The <b>Site</b> is the area where works are to be executed as specified in the SCC.</p> <p><b>Site Investigation Reports</b> 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.</p> <p><b>Specification</b> means the Specification of the Works included in the Contract and any modification or addition made or approved by the Project Manager.</p> <p>A <b>Subcontractor</b> 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.</p> <p><b>Temporary Works</b> are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Works.</p> <p>A <b>Variation</b> is an instruction given by the Project Manager in consultation with the Employer, which varies the Works.</p> <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</p>
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		<p>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 SCC.</p>
2. Interpretation	2.1	In interpreting these Conditions of Contract headings and marginal notes are used for convenience only and shall not affect their interpretations unless specifically stated; references to singular include the plural and vice versa; and masculine include the feminine. Words have their ordinary meaning under the language of the Contract unless specifically defined.
	2.2	If sectional completion is specified in the <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).
	2.3	<p>The documents forming the Contract shall be interpreted in the following order of priority:</p> <ul style="list-style-type: none"> <li>vii. Form of Contract</li> <li>viii. Form of Tender</li> <li>ix. Special Condition of Contract</li> <li>x. General Condition of Contract</li> <li>xi. Letter of Notification to award</li> <li>xii. Letter of Acceptance</li> <li>xiii. Negotiation minutes</li> <li>xiv. Priced Bill of Quantities</li> <li>xv. Drawings.</li> </ul>



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 persons 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. 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> <p>c. the activities of the Contractor on the Site after the</p>

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		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 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.





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.

	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, <ul style="list-style-type: none"> <li>(a) the Contractor shall be responsible for keeping unauthorized persons off the site, and</li> <li>(b) authorized 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.</li> </ul>
		<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.

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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.

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

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		<b>C. Quality Control</b>
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.
	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.
	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.  The currency of payment shall be stated in the SCC.
		Where payments are to be made in currencies other than
	52.1	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

	51.4	<p>be deemed covered by other rates and prices in the Contract.</p> <p>The currency of payment shall be stated in the SCC.</p>
		<p>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>
52. Currencies	52.1	

<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> <li>(i) The advance payment is delayed.</li> <li>(j) The effects on the Contractor of any of the</li> </ul>
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		<p>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	<p>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.</p>
	53.3	<p>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.</p>
	53.4	<p>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.</p>



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;

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

where;

**P<sub>n</sub>** 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;

**L<sub>n</sub>, M<sub>n</sub>, E<sub>n</sub>, 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

**L<sub>o</sub>, M<sub>o</sub>, E<sub>o</sub>, etc.**, are the base cost indices or reference prices corresponding to the above cost elements at the date specified in GCC 55.5

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

$$F = P_n x P_c$$

		<p>where;</p> <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 prevailing on the day 28 days prior to the last day of the period to which a particular Interim Payment Certificate</p>

		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 SCC for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the maximum amount of performance security stated in the SCC. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.
	57.2	Where the Project Manager, after assessment of work progress, upon satisfaction that the Contractor will not complete the works within the contract period, may issue a notice to the Contractor requiring the payment of liquidated damages pursuant to GCC 57.1
	57.3	If the Intended Completion Date is extended after liquidated damages have been paid, the Project Manager 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]

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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 <b>the SCC</b> , 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.

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	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

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		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> <li>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;</li> <li>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.;</li> <li>g) where the Contractor fails to furnish and maintain the required Site Security pursuant to GCC 33.1 [Security of the Site];</li> </ul>

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	<p>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</p> <p>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.</p> <p>For the purpose of this paragraph:</p> <p>“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;</p> <p>“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;</p> <p>collusive practices” means impairing or 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</p>
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		<p>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.

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

	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.

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30	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



THE UNITED REPUBLIC OF TANZANIA  
MINISTRY OF HEALTH

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 209/549/03/86

4<sup>th</sup> April, 2022

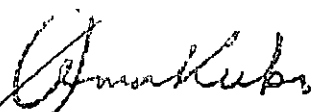
Manager,  
Watumishi Housing Company,  
P.O.BOX.  
DAR ES SALAAM

**RE: NOTIFICATION OF CONTRACT AWARD FOR TENDER NO.  
ME/007/2021-2022/HQ/W/12 FOR PROPOSED CONSTRUCTION  
OF HEALTH PROMOTION CENTRE AT NJEDENGWA  
– DODOMA CITY UNDER TANZANIA COVID -19  
SOCIAL ECONOMIC RECOVERY PLAN.**

Reference is made to the above heading.

2. Please be informed that, your Tender No: **ME/007/2021-2022/HQ/W/12** submitted was approved by Ministerial Tender Board held on 2<sup>nd</sup> April, 2022.
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 One Hundred Eighty-Four Million Five Hundred Ninety-Two Thousand Two Hundred Twenty-One – Seventeen Cents (2,184,592,221.17) VAT Inclusive.**

Thank you for your cooperation.

  
Dr. Seif A. Shekalaghe  
**ACTING PERMANENT SECRETARY**

**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**

**LETTER OF ACCEPTANCE**



# WATUMISHI HOUSING INVESTMENTS

4th Floor, Golden Jubilee Tower  
7 Ohio Street/Kibo Street  
P. O. Box 5119  
11481 Dar - Es Salaam - Tanzania

Tel : +255 22 2922211  
Fax : +255 22 2922211  
E-mail: info@whc.go.tz  
Website: www.whc.go.tz



Ref: No: DA.61/117/86/02

8<sup>th</sup> April, 2022

The Permanent Secretary,  
Ministry of Health,  
Government City - Mtumba  
P.O.Box 743,  
40478 DODOMA.

**RE: NOTIFICATION OF CONTRACT AWARD FOR TENDER NO.  
ME/007/2021-2022/HQ/W/12 FOR PROPOSED CONSTRUCTION OF HEALTH  
PROMOTION CENTRE AT NJEDENGWA - DODOMA CITY UNDER  
TANZANIA COVID -19 SOCIAL ECONOMIC RECOVERY PLAN**

Reference is made to the headings mentioned above.

WHI acknowledge receipt of your letter with Reference No. CAB 209/549/03/86, dated on 4<sup>th</sup> April, 2022 regarding on acceptance of the mentioned contract above.

WHI would like to thank you and appreciate for the opportunity given to participate in that particular project by accepting the Contract at a Contract Sum of Tanzania Shillings: Two Billion One Hundred Eighty Four Million Five Hundred Ninety Two Thousand Two Hundred Twenty One Seventeen Cents Only (TZS: 2,184,592,221.17) VAT Inclusive.

Please, WHI kindly requests your esteemed office to share the Contract (BOQ) and its addendum for negotiations which reflects the accepted Contract Sum.

Thanking you for your continuing cooperation.

Yours Sincerely,  
**WATUMISHI HOUSING COMPANY**

  
Dr. Fred Msemwa  
**CHIEF EXECUTIVE OFFICER**

NEGOTIATION MINUTES



## RE-NEGOTIATION MINUTES FOR THE PROPOSED CONSTRUCTION OF HEALTH PROMOTION CENTRE

**Project Name:** Proposed Construction of Health Promotion Centre at Njedengwa – Dodoma City under Procurement under Tanzania Covid -19 Social Economic Recovery Plan

**Conducted On:** 28<sup>th</sup> March, 2022

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

**SUBJECT OF PROCUREMENT:** Proposed Construction of Health Promotion Centre at Njedengwa – Dodoma City under Procurement under Tanzania Covid -19 Social Economic Recovery Plan

### Attendance

S/N	Name	Title	Organization	Position
1	Anthony Mkhotya	Engineer	MoH	Chairperson - Client
2	Zaidane Wilfred	SO	MOH	Secretary– Client
3	Erasto Mwiava	HS	MoH	Member- User
4	Sephania Solomoni	COO	Watumishi Housing (WHC)	Member- Contractor
5	Steven Lyayoga	QS	Watumishi Housing (WHC)	Member- Contractor

### Attended AGENDA

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

## RE-NEGOTIATION MINUTES FOR THE PROPOSED CONSTRUCTION OF HEALTH PROMOTION CENTRE

- vii). Staffing
  - viii). Work Duration
  - ix). Mobilization
  - x). Work schedule
4. AOB.
  5. Closing of the meeting

### DISCUSSION AND RESOLUTIONS

S/N	PARTICULARS	DESCRIPTION
1	<b>Opening of meeting.</b>	Chairperson called the meeting to order at <b>11:00hrs</b> by welcoming remark to attendants.
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>MOH</b>) and Contractor side (<b>M/S Watumishi Housing Company</b>)</li> <li>• It was highlighted that the initial negotiation was for entire designed building that ends to proposal of having two phases for implementation due to budget constrain. The scenario led to opt for re-scope / reduce the building to meet the available fund. Note the re-negotiation based on the revised scope.</li> </ul>
3	<b>Discussion on Contract Parameters</b>	<p style="text-align: center;"><b>I. Scope of Assignment</b></p> <p>Basing on the revised scope, the building was reduced from <b>3193.371M<sup>2</sup></b> to <b>1,981M<sup>2</sup></b> and hence the quotation submitted by the Contractor amounting to TZS <b>3,177,761,169.78 (VAT Inclusive)</b> against engineers estimate by the Consultant <b>TZS 2,471,282,569.00 (VAT Inclusive)</b> with diversion of <b>28%. Note;</b> It was Confirmed by the user Department that, the available budget is <b>TZS 2,184,641,998</b></p> <p>Due to the highlighted diversions, it is technical point of view that the reviewed scope still not affordable with the available budget and the intended designed services are much compromised compared to user requirements. Referring to user requirements and Consultant, the negotiation team advised to form a contract amounting to available budget <b>TZS 1,851,349,339.98 (Without VAT)</b> and hence the scope to be executed will make sure that part of the building</p>

**RE-NEGOTIATION MINUTES FOR THE PROPOSED CONSTRUCTION OF HEALTH PROMOTION CENTRE**

<b>S/N</b>	<b>PARTICULARS</b>	<b>DESCRIPTION</b>
		<p>must be at operational stage and other part to be completed upon availability of Fund.  <b>Note.</b> Referring to the available budget, the following elements expected to be executed</p> <ul style="list-style-type: none"> <li><b>i.</b> Substructure</li> <li><b>ii.</b> Frame</li> <li><b>iii.</b> Stair cases</li> <li><b>iv.</b> Roofing</li> <li><b>v.</b> Doors (To be prioritized as per areas need to be operational at initial stage)</li> <li><b>vi.</b> Windows</li> <li><b>vii.</b> Finishing works (To be prioritized as per areas need to be operational at initial stage)</li> <li><b>viii.</b> Decoration works (To be prioritized as per areas need to be operational at initial stage)</li> <li><b>ix.</b> Services – (Electrical, Plumbing, HVAC, Firefighting, ICT) To be Prioritized as per areas need to be operational at initial stage</li> </ul> <p>However, the agreed scope includes construction of water storage tower without other external works</p> <p align="center"><b>II. Contract Price</b></p> <p>As a result, to the reviewed scope and due to the budget constrain, it was agreed that contract price to be <b>TZS 1,851,349,339.98 (VAT Exclusive)</b> and hence to include VAT the Contract price will be <b>TZS 2,184,592,221.17 VAT Inclusive</b></p> <p align="center"><b>III. Compensation event</b></p> <p>It was agreed that contractor will attend all the requirements as stipulated in the contract.</p> <p align="center"><b>IV. Payment Modality</b></p> <ul style="list-style-type: none"> <li>a) <b>35%</b> of advance payment upon submission of advance payment bond in the form of insurance bond from reputable insurer as the company under Government Entity.</li> <li>b) Recovery for Advance payment will be prorating controlled by the project manager.</li> </ul>

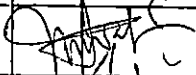

**RE-NEGOTIATION MINUTES FOR THE PROPOSED CONSTRUCTION OF HEALTH PROMOTION CENTRE**

<b>S/N</b>	<b>PARTICULARS</b>	<b>DESCRIPTION</b>
		<p>Recovery to start when progress achieved at <b>30%</b> and to be full covered at <b>80%</b> of project stage.</p> <p>c) In order to meet the financier project completion date, the approach agreed to speed up the progress was that, consultant will evaluate each interim Payment Certificate with inclusion of material on site consideration. The minimum interim Payment Certificate is seventy-five million only (<b>TZS 75,000,000</b>).</p> <p><b>V. Liabilities</b></p> <p>Contractor will 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. However, agreed that contractor will submit</p> <ul style="list-style-type: none"> <li>i). Advance payment bond</li> <li>ii). Performance bond</li> <li>iii). Contractors all risk insurance bond</li> </ul> <p><b>VII. Staffing / Key Personnel</b></p> <p>Contractor Confirmed to have all the key personnel as per submitted list and any changes will be communicated as per contract guidance</p>

RE-NEGOTIATION MINUTES FOR THE PROPOSED CONSTRUCTION OF HEALTH PROMOTION CENTRE

S/N	PARTICULARS	DESCRIPTION
		<p><b>VIII. Duration of the Project</b></p> <p>It was agreed that the project duration will be within 6months from the commencement date.</p> <p><b>IX. Mobilization</b></p> <p>It was agreed that mobilization period will be fourteen (14) days from the date of site possession.</p> <p><b>X. Work schedule</b></p> <p>Agreed to be reviewed and availed to the client within fourteen (14) days after site possession.</p> <p><b>XI. Domestic Sub Contractors</b></p> <p>Agreed to be submitted by the Contractor within 30 Days after commencement of the project.</p>
4	AOB	<ul style="list-style-type: none"> <li>❖ Consultant to prepare drawings and necessary details to facilitate acquiring of the building permit from respective authorities whereby the client will need to make follow up for the building Permit.</li> <li>❖ It was agreed to enhance cooperation during implementation</li> </ul>
5	Closing meeting of	The meeting was closed at 18:00hrs and the chairperson thanked all the members for their constructive comments that led to meet the negotiation conclusion.

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

S/N	NAME OF OFFICER	DESIGNATION	INSTITUTION	SIGNATURE	DATE
1	Anthony Mkhotya	Engineer	MoH		01/04/2022
2	Sephania Solomon	Chief Operation Officer	WHC		01/04/22



RE-NEGOTIATION MINUTES FOR THE PROPOSED CONSTRUCTION OF HEALTH PROMOTION CENTRE

MAHUDHURIO YA KIKAO CHA MAJADILIANO KUHUSU MRADI WA HPC - NJEDENGA, DODOMA CHA					
TAREHE 28/03/2022					
Na	JINA KAMILI	CHEO	KITUO CHA KAZI	MAWASILIANO/BARUA PEPE	SAHIII
1	Stephen Salimani	COO	WAC	0744343687	SS
2	STEVEN LYAYAGA	SQS	WAC	0776 706374	SS
3	LATIDAN WILFRED	ESD	MWH	0715304198	SS
4	Francis Mham	PTS	MWH	0714004545	SS
5	Anthony Mkhutya	ES	MWH	0682914432	SS

PRICED BILL OF QUANTITIES

PRINTING PRESS

ITEM	DESCRIPTION	PAGE	AMOUNT
A	BILL NUMBER ONE - PRELIMINARIES		142,500,000.00
B	BILL NUMBER TWO - SPECIFICATION		NIL
C	BILL NUMBER THREE - MEASURED WORK		1,631,349,839.98
D	BILL NUMBER FOUR - PRIME COST AND PROVISIONAL SUMS		49,500,000.00
	<b>SUB-TOTAL 1</b>	<b>TSHS</b>	<b>1,823,349,839.98</b>
	<b>CONTINGENCY</b>		
E	Allow for a contingency sum of TShs ..... to be expended or deducted as instructed by the Project Manager	<b>TSHS</b>	
	<b>SUB - TOTAL 2</b>		<b>1,823,349,839.98</b>
	<b>ALLOW FOR:</b>		
	Cost of insurance against loss or damage to the works, Plants and MateTSHSs as per Clause 16.1 (a)		
	Cost of Insurance against loss or damage to equipment as per Clause 16.1(b)		
	Cost of Insurance against loss or damage to property (except the Works, Plant, MateTSHSs and Equipment) as per Clause 16.1©	<b>TSHS</b>	<b>28,000,000.00</b>
	Cost of Insurance against personal injury in death 16.1 (d)		
	Cost of providing Performance Security as Clause 60 of the condition of contract		
	<b>SUB - TOTAL 2</b>	<b>TSHS</b>	<b>1,851,349,839.98</b>
	<b>Value Added Tax (VAT)</b>		
G	Add: 18% for Value Added Tax	<b>18%</b>	<b>333,242,971.20</b>
	<b>TOTAL CONSTRUCTION COST (VAT INCLUSIVE)</b>	<b>TSHS</b>	<b>2,184,592,811.17</b>

ITEM	DESCRIPTION	AMOUNT (TSHS)
	<p><b>STANDARD PHRASEOLOGY</b></p>	
A	<p>Note:- These Bills of Quantities have been prepared using a standard phraseology and the contractor's attention is drawn to the preambles to sections in these Bills of Quantities</p>	
	<p><b>QUALIFICATIONS OF THE RULES OF THE SMM</b></p> <p>Quantities</p>	
B	<p>Notwithstanding the provisions of EASMM Clause A6 (c) fractions of a unit less than half, which would cause an entire item to be eliminated have been regarded as whole units.</p>	
	<p><b>DEFINITIONS/ABBREVIATIONS</b></p> <p>Definitions</p>	
C	<p>Words importing the singular only also include the plural and vice versa where the context requires</p>	
D	<p>The term "the works" shall mean the whole of the works envisaged by the contract, including, unless expressly stated otherwise, the works of nominated sub-contractors, nominated suppliers, local authorities and public undertakings whether or not the works of the latter are represented by prime cost sums.</p>	
E	<p>The term "instructions", and words derived there from, shall mean written instructions issued by the Architect unless otherwise described.</p>	
F	<p>The term "approval" and words derived there from, shall mean written approval issued by the Architect unless otherwise described.</p>	
	<p><b>DEFINITIONS/ABBREVIATIONS</b></p> <p>Definitions</p>	
G	<p>The term "manufacturer's recommendations" shall mean all printed or written recommendations or instructions issued by a manufacturer and current at the tender date.</p>	
H	<p>The term "or other equal and approval" shall mean the standard required and that materials or goods of equal written approval of the Project Manager/ Architect.</p>	
J	<p>The terms "approval", approved", "to approval", "as directed" and the like, refer always to approval or directions given by the Architect. Approval will not be valid unless given in writing. When the contractor seek approval for work which cannot proceed without the Project mArchitect's selection or inspection (e.g.) performance tests; work of aesthetic importance) he shall give two weeks notice in order that arrangements approval, such approvals will be limited to the visual appearance of the work involved and are not in any case particularly in relation to the kind and standards of materials, goods and work.</p> <p>Abbreviations</p>	
K	<p>The following abbreviations are used:-</p>	

ITEM	DESCRIPTION	AMOUNT (TSHS)
	<b>To Collection</b>	

A	BS British Standard current at tender date	
B	BSCP British Standard Code of Practice current at tender date	
C	SMM East African Standard Method of Measurement of Building Works (with Quantities) First Edition	
D	M Meter (s)	
E	MM Millimetre (s)	
F	M2 Square metre (s)	
G	M3 (Cubic metre (s)	
H	T Tonne (s)	
J	KG Kilogramme (s)	
K	N Newton (s)	
	General attendance	
L	In addition to the facilities referred to in Smm Clause B19(b) all items of general attendance include arranging with nominated sub-contractors and nominated suppliers as to time for submission of drawings for the Architect's approval, commencement of their work on the site or manufacture and delivery of their goods and materials as appropriate, obtaining from them particulars of holes, mortices, chases, recesses, fixings and the like and supplying them with all dimensions and other information for the proper execution of the works.	
M	The contractor shall be responsible for the procurement and/or preparation of all detailed setting out and shop drawings sufficient to achieve proper co-ordination of the works	
N	As part of his obligations responsible under this contract and the various sub-contracts the contractor will be ultimately sub-contractor's and nominated suppliers' activities and to ensure that they are aware of the requirements of his programme in so far as work on site and the issue of information is concerned.	
	<p><b>PRELIMINARY PARTICULARS:</b> Name</p>	
P	<p>The project shall be known as Construction of Multi-storey printing block, single storey workshop and staff house</p> <p><b>Nature of the works.</b> The works comprise:</p>	



ITEM	DESCRIPTION	AMOUNT (TSHS)
Q	New construction of Multi-storey printing block, single storey workshop and staff house	
R	<p><b>Location</b></p> <p>The works are situated Dodoma-Tanzania</p>	
<b>To Collection</b>		

Page 1/2

A	<p><b>General description of the works</b></p> <p>The Project consists of the following works:-</p> <ol style="list-style-type: none"> <li>1. New construction of Multi-storey printing block, single storey workshop and staff house</li> <li>2. Associated Building Engineering Services installations that is, Electrical, Plumbing (and drainage), Security System and Fire Alarm (Detection and Fire Fighting), Mechanical, Voice and Data (ICT) Cabling.</li> <li>3. Associated External Works</li> </ol>	
B	<p>The project consists of New construction as described above</p>	
	<p><b>Size of Building</b></p>	
C	<p>The gross floor areas is 3556 Sqm</p>	
	<p><b>Time for Completion</b></p>	
D	<p>The construction period is to be stated in the tender</p>	
E	<p>In this connection the contractor is to submit with his tender a programme showing how he proposes to carry out the work including a method statement and details of plant he intends to employ during the execution of the contract.</p>	
	<p><b>Bases for Tendering</b></p>	
F	<p>The Contractor is requested to submit tenders on the bases of the Bid document requirements</p>	
	<p><b>Employer</b></p>	
G	<p>The Employer is</p> <p><b>THE UNITED REPUBLIC OF TANZANIA, MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY &amp; CHILDREN P.O.BOX 743. 40478, DODOMA, TANZANIA.</b></p> <p>Architects are:</p>	

ITEM	DESCRIPTION	AMOUNT (TSHS)
H	ARU BUILT ENVIRONMENT CONSULTING COMPANY LTD, P.O BOX 35700 DSM	
J	Quantity Surveyors are: ARU BUILT ENVIRONMENT CONSULTING COMPANY LTD, P.O BOX 35700 DSM.	
K	Structural & Civil Engineers are:	
L	Electrical and Mechanical Engineers are: ML ENGINEERING CONSULTANCY LTD, P.O BOX 70267 DSM.	
<b>To Collection</b>		

	<p><b>Character of the operations</b></p> <p>A Before pricing the Bills of Quantities the contractor must satisfy himself in detail as to the character of the operations and in particular in respect of the type of structure to be erected, the design of reinforcement, the nature of temporary works required and where necessary the standard of finish required for exposed concrete surfaces.</p> <p><b>Visiting of the site</b></p> <p>B The Contractor will be deemed to have visited the site and to have satisfied himself as to the nature, extent and character of the works, local conditions, accessibility of the works, the supply of and conditions affecting labour and materials and any other matter which may affect his tender.</p> <p>C Visits to the site shall be by appointment only and tenderer are to contact the Architect to make the necessary arrangements.</p> <p><b>PRELIMINARY PARTICULARS: DRAWINGS AND OTHER DOCUMENTS</b></p> <p><b>Tender Documents</b></p> <p>D The tender documents are as indicated in the Instructions to Tenders</p> <p>The tender is requested to note this as no claim in respect of the discrepancy between the bill specification and tender drawings specification shall be entertained.</p> <p>E The Contractor is requested to check the documents and the number of each page if any are missing or duplicated or if any writing or figures are indistinct, to notify at once the Quantity Surveyor. No subsequent claim for loss consequently upon the Contractor's failure to comply with this clause will be entertained.</p>	
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ITEM	DESCRIPTION	AMOUNT (TSHS)
F	No alteration, addition or qualifying note is to be made by the Contractor in the text of the Bills of Quantities. Should any alteration, addition or note be made such will not be recognized and the text of the Bills as printed will be strictly adhered to	
G	If there is any matter upon which the Contractor requires further information or clarification he is to contact the employer in good time in order that all tenderers may be given such additional information as is available.	
H	Note:- The Contractor is to submit at the time of delivering his tender, as per the Instructions to Tenders	
J	No claims arising from any neglect on the part of the Contractor in these matters will be entertained.	
K	The drawings enclosed with the tender documents are for the Contractor's convenience in tendering and are not intended as a substitute for a thorough inspection of the remaining drawings at the Architect's and Structural Engineer's offices by appointment as previously described.	
L	<p><b>Contractor's Scrutiny</b></p> <p>The Contractor is to compare the drawings including the drawings of sub-contractors, the specification and/or Bills of Quantities before the work is up in hand or materials ordered and he shall report any discrepancies to the Architect in good time.</p>	
<b>To Collection</b>		

A	<p>If the Contractor or any of his sub-contractors (whether nominated or otherwise) has reason to question the application of any details or materials described in the specification and/or Bills of Quantities or shown on the drawings he will inform the Architect two weeks before construction so that they shall be further considered.</p> <p><b>Pricing of Preliminaries Bill</b></p>	
B	<p>The Contractor will be required to provide, for purpose of contract administration, a detailed break-down of his pricing of this section of the Bills of Quantities during submission of his tender and this will form the basis for the award of contract.</p>	
C	<p>This detailed break-down, which shall be submitted with the priced Bills of Quantities, shall indicate clearly the initial cost and running cost of each item of the preliminaries.</p> <p><b>Pricing and correction of Bills of Quantities, etc.</b></p>	
D	<p>Costs relating to items which are not priced will be deemed to have been included elsewhere in these Bills of Quantities</p> <p><b>Bills of Quantities</b></p>	

ITEM	DESCRIPTION	AMOUNT (TSHS)
E	<p>All work included in these Bills of Quantities have been measured accurately except where an item has been described as "provisional" The tenderer is to note that firm quantities will not be subject to adjustment if remeasurement of a bill item will result in less than or equal to plus or minus 1% of the bill quantity.</p>	
	<p><b>CONTRACT: FORM, TYPE AND CONDITIONS</b> <b>CONTRACT: CONTRACTOR'S LIABILITY</b></p>	
	<p><b>Risk of injury, injury to person and property and of damage to the works</b></p>	
F	<p>The contractor must provide for the efficient protection of the general Public and the occupants and users of the surrounding buildings during the progress of the works included in or to be done in connection with this contract and the Contractor shall, for this purpose guard and protect his plant, tools and materials and take all necessary measure in order to prevent mishaps and accidents</p>	
	<p><b>Insurances</b></p>	
G	<p>The Contractor is to allow in his tender for effecting insurance under and in accordance with the GCC Clause 16 of the PPRA Conditions of contract</p>	
H	<p>All the foregoing insurances are to be with a reputable, local and an approved insurance company</p>	
	<p><b>CONTRACT: OBLIGATIONS AND RESTRICTIONS IMPOSED BY THE EMPLOYER</b></p>	
	<p><b>Access to site</b></p>	
J	<p>The Contractor's attention is directed to the congested and confined area in which the site is situated and he must ascertain from the police and the local authority vehicles and any restricted times or places for unloading, etc.</p>	
K	<p>The Contractor in tendering will be deemed to have taken account of these matters and any additional costs in purchasing materials in small quantities, special deliveries etc.</p>	
	<p><b>To Collection</b></p>	

	<p><b>Possession of the site</b></p>	
A	<p>At commencement of the contract the contractor will be given possession of the complete site</p>	
	<p><b>Use of Site</b></p>	
B	<p>The Contractor shall use the site for the execution of the works embraced in the contract including storage of materials and plant necessary in the carrying out of the same. In no way will the contractor be permitted to use the site for the preparation of and storage of materials for use other than on this Contract.</p>	
	<p><b>Schedule of Condition</b></p>	

ITEM	DESCRIPTION	AMOUNT (TSHS)
C	<p>The Contractor, Prior to commencement of work on site, shall in conjunction with the Project manager /Architect, adjoining owners and relevant authorities prepare and agree a "schedule of Condition" of roads, paths, manholes, drains, etc., which are adjacent to the site. at completion of the works, but prior to formal hand-over, this schedule shall be checked and any work found to be damaged due to the Contractor's building operations shall be made good at the Contractor's expense.</p>	
D	<p>The Contractor shall also, prior to commencement of work on site, prepare and agree with the Architect a grid of existing site levels</p> <p><b>Limitations of Working Space</b></p>	
E	<p>The Contractor is to take all reasonable precautions to prevent workmen, including those employed by sub-contractors, from trespassing on adjoining owner's property.</p> <p><b>Overtime</b></p>	
F	<p>Where and when it is found necessary to work overtime in order to maintain progress or for other reasons the Architect's sanction in writing must first be obtained and any such sanction will only be granted on the understanding that such overtime will not entail the Employer in any payment thereby additional to the Contract sum unless the Architect shall otherwise direct.</p>	
G	<p>In cases where the Project Manager/Architect shall direct that the Contractor is to be paid the additional cost of overtime working which he may have sanctioned in writing, the additional cost concerned shall be limited to the net cost of overtime working payable to the operatives involved, plus an addition for overheads but subject to no other addition of any kind as the Architect may consider for this purpose:-</p>	
H	<p>(1) "Additional cost" shall mean the "non-productive element" of payments made to workpeople in accordance with the working rules of the relevant wage -fixing body for overtime working in excess of that allowed for by the contractor in the calculation of the contract sum; and</p>	
J	<p>(2) "Overhead" shall mean additional direct costs necessarily incurred by the contractor as a direct result of such additional temporary lighting, extend hours for canteen facilities, direct supervision and the like but shall exclude head or regional office costs or charges</p>	
K	<p>In this connection the contractors will be deemed to have made allowance in his tender for any overtime he considers necessary to complete the works by the agreed date</p>	
<b>To Collection</b>		

**CONTRACT: OBLIGATIONS AND RESTRICTIONS IMPOSED BY THE EMPLOYER (CONTINUED)**

**Use of Materials Found on Site**



ITEM	DESCRIPTION	AMOUNT (TSHS)
A	<p>The use of materials found on site shall be prohibited except for those specifically described as to be re-used and excavated material, which are suitable may be used for making up levels, etc. Should the Contractor discover materials on site he feels can be re-used as filling media he must obtain the Architect's written approval to their use prior to proceeding with incorporating them in the works.</p> <p><b>Disposal of Materials</b></p>	
B	<p>Unless otherwise described all materials found on site shall be removed from site to a pit provided by the Contractor</p> <p><b>Hoardings</b></p>	
C	<p>The Contractor is to construct and maintain, a strong temporary fence as necessary during the execution of the works and remove after completion of this contract.</p>	20,000,000.00
D	<p>The Contractor is to provide all necessary additional access doors and gates complete with proper locks and fastenings and maintain, alter and adapt as necessary during the carrying out of the works.</p> <p><b>Temporary Name Boards</b></p>	
E	<p>The Contractor is to erect a display board indicating the name of the registered project and the names of the various firms and persons engaged on the works. The dimensions, design and construction of the same are to be to the satisfaction of the Architect</p>	2,000,000.00
F	<p>Allow for the associated cost for the registration of the project ;registration of all firms engaged in the projects.</p> <p><b>Employer's Notice Boards</b></p>	12,000,000.00
G	<p>During the course of the contract the Employer or his agents reserve the right to instruct the contractor to erect, "To Let", and other sign boards in suitable positions on the building and the contractor must allow for in his tender.</p>	
H	<p>These sign boards are not to be obstructed or removed by the contractor without the consent of the Employer or his agent. When removed with authority, they are to be carefully stored until handed over.</p>	
J	<p>The Contractor will be responsible for any damage or loss in respect of these sign boards from the time they are erected on the site until they are handed over to the Employer or to his agents</p> <p><b>Advertising Rights</b></p>	
K	<p>All rights in advertising in connection with this contract are strictly reserved to the Employer and the contractor is expressly forbidden to advertise or to permit to be advertised.</p>	
L	<p>No information concerning this contract may be released to the press or to any other party or person without the prior consent of the Employer to whom the proposed press hand-out or other information shall be submitted in each case for approval</p>	

ITEM	DESCRIPTION	AMOUNT (TSHS)
	<b>To Collection</b>	<b>34,000,000.00</b>

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A	<p><b>Maintenance of Existing Services</b></p> <p>The Contractor is to take all reasonable measures to ascertain the location of all existing services including liaising with local authorities, public undertakings, the Employer's representative and any other persons having knowledge of the site to avoid damage to any existing services</p> <p><b>Maintenance of Existing Service</b></p>	
B	<p>The Contractor shall be responsible for protecting, upholding and maintaining all existing services during progress of the works and for giving all necessary notices to the statutory authorities and he is to make good any damage due to any cause within his control at his own expense or pay any costs and charges in connection therewith</p> <p><b>Order of Execution and Completion of the Works</b></p>	
C	<p>The Contractor will be required prior to commencement of the works to prepare a fully detailed programme and progress chart covering the whole of the work. The draft chart is to be submitted to the Architect for comment and after revision, if necessary, one copy is to be kept on the site and four copies supplied for the use of the Architect and other consultants. On this chart the contractor is to indicate the latest dates for receipt of information from the design team in connection with both the general work and work to be executed by nominated sub-contractors and suppliers. At any time during the progress of the works the Contractor shall allow at least seven days for receipt of information or clarification of queries. Such days shall exclude Saturdays, Sundays and Public Holidays. Refer to the relevant special condition of contract of the contract.</p>	
D	<p>Progress of work executed on site shall be indicated weekly on the Contractor's copy of the chart and this information will be available for transfer by the Architect's representative to other copies of the chart</p>	
E	<p>When for any reason the contract falls substantially behind programme or the sequence of the operations is materially altered the contractor shall, if so requested by the Project Manager/Architect, prepare a revised programme in the manner described above taking into account the current situation.</p>	
F	<p><b>Temporary Accommodation and Facilities for Use of the Employer/Contractor</b></p> <p>Contractor shall provide temporary accommodation and facilities for use by the Resident Engineer/Clerk of works to the following standards:-</p> <ol style="list-style-type: none"> <li>1. Workable Floor spaces: 12- 16 square metres minimum</li> <li>2. Furniture: Tables, Six chairs and One lockup desks.</li> <li>3. Equipment: Work-top plan chest, filing cabinets, drawing board and tee square</li> <li>4. Lighting</li> <li>5. Protective clothing and survey equipment</li> <li>6. Male and female latrine accommodation separate from general site latrine accommodation hereinafter described.</li> </ol>	12,000,000.00
G	<p>In addition the Contractor shall provide for the said office all necessary electric light, daily cleaning and proper attendance and take down and clear away on completion or when no longer required and make good all work disturbed.</p>	

ITEM	DESCRIPTION	AMOUNT (TSHS)
H	The Contractor is also provide for the sole use of the Engineer or his representative, for the duration of the contract, a modern theodolite, level and staff in good condition and proper working order.	
<b>To Collection</b>		<b>12,000,000.00</b>

A	The Contractor shall also provide the full time services of a competent foreman to act under the directions of the Engineer or his representative. Protective clothing and boots for the sole use of the Engineer and visiting staff shall also be made available	
B	The Contractor shall be responsible for cleaning, maintaining and protecting such instruments and clothing as may be necessary during the carrying out of the contract	
C	The Contractor shall also provide accommodation either as part of his general site establishment or a separate accommodation space for holding site meetings chaired by the Architect generally or by the Contractor in respect of co-ordination meetings with sub-contractors. Such accommodation is to be sufficient to accommodate Contractor's organisation and sub-contractors as required.	
D	The siting of all temporary buildings, etc., is to be approved by the Architect  <b>Setting out of Works and Tolerances</b>	
E	The Contractor shall survey the reinforced concrete structure floor by floor immediately after the completion of each section of the work. The survey (to be given to the Project Manager/Architect without delay before superincumbent work is constructed) shall record on a drawing the position, levels, dimensions and alignments of all parts of the structure and shall show clearly any divergence from the specified tolerances  <b>Adjoining Owners Property and Land</b>	4,000,000.00
F	The Contractor is to make his own arrangements with adjoining owners regarding access to their premises where this is convenient or necessary for executing the works	
G	Except as provided in the Contract conditions, the Contractor shall be held responsible for any damage to third party premises resulting from the works and shall make good such damage at his own expense to the reasonable satisfaction of the Architect and the owners or occupiers thereof or their authorized representatives  <b>Materials and Workmanship</b>	

ITEM	DESCRIPTION	AMOUNT (TSHS)
H	The whole of the materials and workmanship are to be as described in these Bills of Quantities, the best of their respective kinds and all articles and materials unless otherwise described are to be of a standard or quality not less than those contained in the latest relevant standard.	
J	Standards of workmanship are to be not less than those contained in the Codes of Practice where such are applicable to the works	
K	Standard of workmanship are to be not less than those contained in the Codes of Practice where such are applicable to the Works	
L	Samples of materials as may be required shall be furnished to the Project Manager/Architect by the Contractor without delay. The samples approved will be retained by the Project Manager/Architect who will be at liberty to reject all materials and workmanship not corresponding with the approved sample. All samples not forming part of the finished works shall be removed on completion of the works or when no longer required.	
<b>To Collection</b>		<b>4,000,000.00</b>

A	The Contractor will forthwith remove all materials and workmanship rejected by the Project Manager/Architect in writing within such time as may be specified and replace them with others of such better quality as shall be satisfactory to the Architect and shall be approved by him	
B	In case the Contractor shall neglect or refuse to comply with the foregoing conditions, the Project manager/Architect or his representative may on behalf of the Employer remove such materials and workmanship or any part thereof and replace the same with such other materials and workmanship as shall be satisfactory to him	
C	The Employer will deduct all expenses thereby incurred or for which the Employer may be liable, from the amount of any money which may be or become due to the Contractor or may recover the same by action at law or otherwise from the Contractor as the Employer may determine	
D	All crates, packing cases and casings of all kinds containing goods delivered to the site and included in this contract, including goods supplied by nominated suppliers are, where required to be returned, shall be carefully preserved and properly nailed down and the contractor is to allow in his prices for re-addressing and returning them to the senders. He will be responsible for any loss or damage claimed	
<b>Materials and Workmanship (Continued)</b>		
Testing materials		
E	The Contractor is to provide all samples of materials for testing and is to allow for delivery to the nominated testing authority	

ITEM	DESCRIPTION	AMOUNT (TSHS)
F	If the results of any tests are unsatisfactory the cost of the testing and any resulting reconstruction which may be ordered by the Architect is to be borne by the contractor	
G	<p>Note:- A provisional sum for laboratory charges for testing materials has been included in the "Provisional and Prime Cost Sums" section of these Bills of Quantities</p> <p><b>Temporary Works</b></p>	
H	In certain cases described herein, the contractor's proposals for temporary works may be required to be submitted to the Architect or Structural Engineer for prior approval	
J	Such approval, where given, will relate only to the general principles and methods proposed and in every case of the Contractor shall remain entirely responsible for the detailed design and adequacy of all temporary works required for completion of the Contract	
K	<p>Where a suggested method of effecting temporary works has been described in the Bills of Quantities, and/or is indicated on the drawings, the Contractor may adopt some alternative method subject to the prior approval of the Architect or Engineer as described above, but in any case the Contractor will be held entirely responsible for the detailed design and adequacy of whatever method he adopts</p> <p><b>Site Meetings</b></p>	
L	The Contractor shall attend site meetings to be arranged by the Architect at regular intervals. The purpose of these meetings, to be held under the administration of the Architect is to review progress and clarify any matters arising to maintain the regular progress of the works	3,500,000.00
<b>To Collection</b>		<b>3,500,000.00</b>

A	<p>At each site meeting the Contractor shall present a written report which clearly notes the progress planned and actually achieved since the last site meeting, outstanding information required and weather reports for the period since the last site meeting stating the effects, if any, on progress of the works</p> <p><b>Co-ordination Meetings</b></p>	
B	The Contractor shall be responsible for holding co-ordination meetings with all sub-contractors engaged on this project	
C	<p>The purpose of the co-ordination meetings, to be held under the administration of the Main Contractor, is to clarify matters etc., and to arrange with other trades routes of services and position of equipment and to ensure that all services are installed in the correct sequence.</p> <p><b>Progress photographs</b></p>	



ITEM	DESCRIPTION	AMOUNT (TSHS)
	<b>Sureties and Bond</b>	
D	The Contractor will be required to enter into a Bond with one surety being a reputable local bank acceptable to the employer or guarantee society or insurance company for an amount equal to 10% of the contract sum, for the due and proper observance of the terms and stipulations of the Contract and pay the necessary stamp duties. In the event of the surety approved by the Employer dying or permanently leaving the country, or becoming bankrupt or insolvent or compounding with his or their creditors, the Contractor shall and will forthwith upon being required by the Employer to do so, obtain a joint security or security as the case may be, and obtain a new Bond for the due and proper observance of the terms of the Contract	
E	The Contractor may alternatively make a cash deposit of 10% of the contract sum with the Employer	
	<b>Certificates</b>	
F	Payments in respect of fluctuations in prices of materials and rates of wages for contracts allowing price adjustments may be included in certificates; as per the relevant clause in the conditions of contract.	
G	Every application for a certificate by the contractor must be accompanied by a detailed priced statement setting forth the particulars of the works executed to date together with a list of materials on site	
H	Prior to the issue of any certificate pursuant to the GCC Clause 44 of the PPRA Conditions of contract, in which is included the value of materials or goods not incorporated into the works, the contractor shall provide to the Project Manager/Architect and the Quantity Surveyor a description and documentary evidence of the measures employed to ensure that the Contractor has the right to pass ownership of the said materials or goods to the Employer and that no contract of sale for the said materials or goods contains any clause maintaining reservation of title to the supplier or vendor. The contractor is further required to indemnify and will be deemed to have indemnified the Employer against any loss or claim in respect of the said materials for which he has requested payment and the value of which has been included in any party or of a supplier implementing a retention as a result of non-payment	
	<b>To Collection</b>	

A	The Contractor's attention is drawn to to the fact that NO provision is made for the certification of the value of materials stored off-site. In the event that the Project Manager/Architect should decide to exercise his discretion in this respect however, it will be necessary for the Contractor first to show that the sub-contract or contract of sale concerned contains the express show/proof	
B	Should this course be adopted, it may become necessary for the Quantity Surveyor to carry out a quantity and documentation check. Unless such payments have been specifically requested in writing by the Employer.	
	<b>Price Adjustment/Fluctuations</b>	

ITEM	DESCRIPTION	AMOUNT (TSHS)
C	<p>In the event of Tenders being accepted as described herein claims for adjustment of the Contract Sum for labour and materials cost variations in accordance with Clause 49 of the PPRA conditions.</p> <p><b>Measurement of Variations</b></p>	
D	<p>Measurement of variations will be carried out by the Quantity Surveyor who will give to the contractor an opportunity of being present. Completed measurements will be handed to the Contractor periodically for his check and queries, and sections of priced variation will similarly be handed to him at a later stage</p> <p><b>Measurement of the Works</b></p>	
E	<p>Measurement of the works, executed in accordance with drawings and instructions of the Project Manager/Architect/Engineer, will normally be carried out by the Quantity Surveyor who will give the Contractor an opportunity of being present. Completed measurements will be handed to the contractor periodically for his check and queries and priced sections will similarly be handed to him at a later stage</p>	
F	<p>Upon the request of the Quantity Surveyor the Contractor will furnish him with all invoices, receipts accounts and other vouchers that may be required in connection with the contract</p>	
G	<p>Prior to the issue of a certificate the Contractor shall, if requested, produce for the Quantity Surveyor's inspection all receipted accounts relating to prime cost items and provisional sums and receipts for charges paid by the Contractor</p> <p><b>Wages Books</b></p>	
H	<p>The Contractor will keep proper wages books and time sheets showing the wages paid to and time worked by the workpeople in his employ or in connection with the execution of the Contract and such wages books and time sheets will be produced whenever required for verification</p> <p><b>Labour Returns</b></p>	
J	<p>The Contractor shall prepare for the Architect a daily distribution return showing the number and description of workpeople employed on the works including those employed by nominated sub-contractors. The returns are to be forwarded at the end of each week to the Architect</p>	
<b>To Collection</b>		

Dayworks

ITEM	DESCRIPTION	AMOUNT (TSHS)
A	Should it be found that work ordered by the Project Manager/Architect cannot properly be measured according to rules of EASMM and valued at bills of quantities rate, or at rates analogous thereto the contractor may be allowed daywork rates for such work on the instruction by the Architect prior to.	
B	Where the Contractor intends to record authorized variation work on daywork vouchers the Project Manager/Architect is to be informed, before such work commences. The daywork sheets in connection therewith must be priced and submitted to the Project Manager/Architect or his authorized representative for verification by not later than the end of the week following that in which the work has been executed dayworks.	
C	For time and materials (except provisional and prime cost sums) the rates will be the standard rates included in Bills of Quantities with the additions for on cost as specified by the Contractor	
D	The individual rates for plant shall be as quoted in the Bills of Quantities	
	<b>Drawings, etc.</b>	
E	The Contractor is to allow for the cost of any copies of drawings, specifications, etc., which he may require in excess of those provided without charge under conditions of contract.	
F	All drawings, tracings, prints and writings, except letters, are to be considered the property of the Architect and they are to be returned to him on completion of the works.  <b>Attendance Upon Trades</b>	
G	The Contractor shall provide for attendance on and by all trades as may be required to complete the whole of the works  <b>Services Drawings and Testing</b>	
H	At practical completion of the works the contractor is to deposit with the Project Manager/Architect two copies of each of record drawings showing in detail as actually executed drainage, electrical, heating and all other service installations and mains, together with certificates confirming that the installations have been TESTED and conform to the specification and requirements of the statutory authorities concerned	
J	The Contractor will be responsible for obtaining from his sub-contractors all relevant drawings and certificates and for obtaining and requisite additional supporting certificates from statutory authorities	
K	The Certificate of practical completion of the works will not be issued until the contractor has complied with the foregoing requirements.	
L	Note:- The Contractor may obtain copy of negatives of the working drawings from the Architect for the purpose of preparing record drawings	

ITEM	DESCRIPTION	AMOUNT (TSHS)
	<b>To Collection</b>	

	<b>Building Maintenance and Job Diary</b>	
A	When required all sub-contractors and suppliers shall provide in duplicate information and operating and maintenance guidance about the materials or goods included within the works and where necessary record drawings for insertion in the relevant parts of the diary and shall be responsible for the accuracy of such information, guidance and drawings	
	<b>Handing Over</b>	
B	Six weeks before any section of the work will be ready for handing over the contractor shall inform the Project Manager/Architect of the fact in writing	
	<b>WORKS BY NOMINATED SUB-CONTRACTORS</b>	
	<b>Nominated Sub - Contractors</b>	
C	Tenders for specialist services to be executed by nominated sub-contractors for which prime cost sums are included in these Bills of Quantities will normally be invited by the Project Manager/Architect from specialist firms and the Contractor will, be instructed to enter into sub-contracts with the selected tenderers.	
D	The Contractor will be responsible for the supervision and administration of all sub-contracts in accordance with the conditions including those applicable to the work of statutory undertakings whether carried out without charge or not and will be responsible for the organization and progression of all such work.	
E	The contractor must bear the additional costs to the sub-contract tender which he has been instructed to accept for any revisions to the sub-contractor's agreed programme which he requires for his own convenience	
	<b>Attendance Upon Sub - Contractors</b>	
F	The contractor is to add to all prime cost sums for work to be executed by nominated sub-contractors for general attendance as may be specifically required; he shall also include a profit margin on all nominated subcontractors works.	
G	General attendance on nominated sub-contractors and statutory undertaking engineers shall include for the following:-	
H	Use of temporary roads, pavings and paths	
J	Use of standing scaffolding, which shall be left in position until no longer required and also altered and adapted to suit the reasonable requirements of the nominated sub-contractors, etc.	
K	Use of hoisting facilities	
L	Use of sanitary accommodation and welfare facilities	

ITEM	DESCRIPTION	AMOUNT (TSHS)
M	Providing office accommodation, lockable store and space for storage of plant and materials. The contractor will also be required to provide security to properties of all nominated sub contractors including statutory undertakings; should there be any theft due to breakage of said lockable stores, the contractor shall replace at his own cost all articles lost.	
<b>To Collection</b>		

<b>WORKS BY NOMINATED SUB-CONTRACTORS (CONTINUED)</b>		
<b>Attendance Upon Sub - Contractors (Continued)</b>		
A	Providing light including leads, lamps, fittings, etc.	
B	Providing water supplies	
C	Clearing away rubbish	
D	Other attendance on nominated sub-contractors, etc., as defined in the Standard method of measurement of building works has been given where appropriate following each individual prime cost sum	
E	Note:- Where electric power is required the contractor is to allow for providing this supply to all floor levels and to positions convenient to nominated sub-contractors' work and shall include for all necessary leads, fittings, etc., and pay all necessary charges	
<b>GOODS AND MATERIALS FROM NOMINATED SUPPLIERS</b>		
Nominated suppliers		
F	All articles to be supplied by nominated suppliers for which prime cost sums are included in these Bills of Quantities and which the contractor has to fix or place in position or hand to sub-contractor for fixing will be delivered to the site unless otherwise described	
G	All goods and fittings delivered to the site are to be received into the charge of the Contractor who must satisfy himself that they are sound, correct and in good order and he will be required to replace at his own cost all articles lost or found to be damaged on completion	
H	The Contractor must bear the additional costs to the supplier's tender which he has been instructed to accept for any revisions to the supplier's agreed programme which he required for his own convenience	
J	The Contractor is to add to all prime cost sums for articles to be supplied by nominated suppliers for profit	
<b>Fixing Only, etc.</b>		

ITEM	DESCRIPTION	AMOUNT (TSHS)
K	<p>The prices for fixing only (or placing in position or handing to sub-contractors) articles supplied by nominated suppliers, or otherwise supplied to the contractor, are to include for receiving the articles unloading, getting in, sorting, hoisting, distributing, assembling and fixing only, etc., as described in the particular item and for casing up and projecting as required.</p> <p><b>WORKS BY PUBLIC BODIES</b></p> <p><b>Statutory Undertaking Engineers</b></p>	
L	<p>The Contractor is to note that in statutory undertaking engineers will require access to the building during the progress of the works for the purpose of installing their mains, equipment, etc.</p>	
<b>To Collection</b>		

	<p><b>Attendance Upon Statutory Undertaking Engineers</b></p>	
A	<p>The Contractor is to add for profit and general attendance as previously defined under the heading "Attendance upon sub-contractors"</p>	
B	<p>Prime cost sums for work to be executed or charges to be made by local and statutory authorities will in all cases be net and all cash discount for the contractor excluded therefrom</p> <p><b>Reservation of Rights of use of Site by Employer</b></p>	
C	<p>The Project Manager/ Architect reserves the right of use the site or the building or any portion thereof for the execution of any work or storage of materials not included in this contract which he may decide to be carried out by other persons</p>	
D	<p>The Contractor is to allow all reasonable access and facilities for the execution of such works but is not required to provide any plant or materials except by special arrangement and will hand over sections of the work as and when reasonable to enable such work to proceed.</p>	
E	<p>The Contractor is to afford facilities to the Employer, his Project Manager/Architect and/or any other persons authorised by them in or upon the building and site so that this work may proceed simultaneously with the progress of the contract.</p>	
F	<p>The provisions of this clause do not relieve the Contractor of any of his obligations under the contract</p> <p><b>Tradesmen, etc., Directly Engaged by the Employer or his Tenants</b></p>	
D	<p>The Contractor is to allow access for and permit the execution of work not forming part of this contract to be carried out by contractors, tradesmen or others directly engaged by the Employer or his tenants. Specific attendance upon, or builder's work in connection with such person will not be paid for as an addition to the contract sum unless specifically authorized by the Architect</p>	



ITEM	DESCRIPTION	AMOUNT (TSHS)
	<p><b>GENERAL FACILITIES AND OBLIGATIONS IMPLICIT IN THE CONTRACT AND AT THE DISCRETION AND RISK OF THE CONTRACTOR</b></p> <p><b>Plant, Tools and Vehicles</b></p> <p>G Notwithstanding any specific provisions measured in these Bills of Quantities in accordance with the EASMM the Contractor shall provide and maintain during the carrying out of the work and remove on completion all necessary plant, tools, vehicles, etc., for the use of all trades and sub-contractors engaged upon the works</p> <p><b>Scaffolding</b></p> <p>H The Contractor shall provide, erect, maintain, alter and adapt as necessary and dismantle when no longer required and remove on completion all necessary scaffolding or staging, including boards, for the whole of the works including works to be carried out by nominated sub-contractors</p>	<p>22,500,000.00</p> <p>27,500,000.00</p>
	<b>To Collection</b>	<b>50,000,000.00</b>

	<p><b>Scaffolding - (Continued)</b></p> <p>A Such scaffolding and staging shall include independent, suspended putlog or mobile scaffolds, hoist or ladder towers, access platforms, gantries, safety rails and barriers, bricklayers, birdcage, hop-up or other scaffolding, staging or the like or any other temporary means of access either internal or external</p> <p>B The Contractor's attention is drawn to the clause entitled "Attendance upon sub-contractors" where general attendance is to be provided for nominated sub-contractors and statutory undertaking engineers so far as the use of standing scaffolding is described</p> <p>C If the contractor uses steel scaffolding, this will be painted or galvanized and kept free from rust. If any marks or damage are caused by rust from the scaffolding, the Contractor will be responsible for executing at his own expense all necessary remedial measures required by the Project Manager/Architect</p> <p><b>Site Administration and Security</b></p> <p>D The Contractor shall provide an adequate resident site staff including resident engineers, agent, general and sectional foremen, site surveyors, etc., and a sufficient number of men for the proper, complete and expeditious execution of the works and supply and cartage, workmanship and materials which, although not specifically mentioned, may be nevertheless incidentally necessary for the proper completion of the work described herein</p>	
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ITEM	DESCRIPTION	AMOUNT (TSHS)
E	The Contractor will be responsible for keeping all persons under his control including men employed by sub-contractors and all unauthorized persons within bounds and will be responsible for the safety of all new and existing buildings, materials, plant, etc., and for all damage to premises and property, roads, footways, fences and gates by workmen, lorries or from any other cause whatsoever	
F	The contractor is to give the Project Manager/Architect then days notice in writing prior to executing any work affecting adjoining properties or utility services	
G	No cutting through walls or floors is to be done other than as indicated by the drawings, without the sanction of the Project Manager/Architect and the Contractor will be held responsible for all damage arising through carelessness in this respect	
H	The contractor will be held responsible for all damage to the property of the public utility service authorities and for the making good of or paying for all damage thereto	
J	The contractor shall provide all watching, and lighting on the site of the works necessary for the carrying out of the works	
K	<p><b>Protection of the works from inclement weather</b></p> <p>The contractor shall protect the Works as necessary against damage or the harmful effects of weather conditions</p>	
L	<p><b>Water for the works</b></p> <p>The contractor shall provide water for the whole of the works including that required by sub-contractor together with all necessary temporary connections, plumbing, storage tools, fittings, etc., give notice to the local water supply authority, pay all charges and clear away on completion and make good.</p>	25,000,000.00
<b>To Collection</b>		<b>25,000,000.00</b>

A	<p><b>Lighting and power for the works</b></p> <p>The contractor shall provide all necessary and adequate temporary lighting and power including all necessary leads, lamps and fittings, etc., and pay all charges for electric current or other fuel consumed</p>	18,000,000.00
B	<p><b>Temporary roads, hardstandings and similar items</b></p> <p>The contractor shall provide all necessary temporary roads, paths, gangways, hardstandings, crossings, etc., into; on and around the site of the works for lorries, carts, barrows, etc., Including all necessary excavation or making up levels to ramps, etc., both for his own use and for the use of all sub-contractors and for the delivery of materials, etc., and for the proper execution of works</p>	
C	<p><b>Traffic regulations</b></p> <p>The Contractor shall comply with all police regulations relative to movement of vehicles, standing vehicles, restrictions as to parking and the like</p>	

ITEM	DESCRIPTION	AMOUNT (TSHS)
	<b>Safety, Health and Welfare of Workpeople</b>	
D	The Contractor shall provide such welfare and safety measures and amenities required by the nature and situation of the works up to a suitable standard	
E	In addition the Contractor shall ascertain and comply with the requirements of all local and statutory authorities in particular the Contractors Registration Board of Tanzania by law in respect of safety precautions taken during construction having regard to building to be erected.	
	<b>Disbursements Arising from the Employment of Workpeople</b>	
F	The Contractor shall comply with the requirements of any national or local trade agreements operating in the area in which the work is to be carried out	
G	The Contractor, through his labour relations officer, will be expected to take all necessary steps to avoid disputes in collaboration with recognized trades union officials, and in this connection will be expected to provide welfare facilities to standards not less than those prescribed by the statutory regulations.	
	<b>Maintenance of Public Highways</b>	
H	The Contractor shall clear all deposits of mud or clay from the public highways as they arise should such deposits be attributable to the vehicles of the contractor and any supplier or sub-contractor under the contract	
	<b>Removal of rubbish, protective casings and coverings and cleaning the works on completion</b>	
J	The Contractor shall remove all rubbish, debris and surplus material, etc., including that arising from sub-contractors' work, etc., at regular and frequent intervals during the carrying out of the Contract to maintain a clean and safe site and on completion clean all floors and pavings, clean all glass on both sides, remove all paint splashes, clean out all rainwater heads and down pipes, drains, gullies, manholes, etc., touch up all paintwork and leave the whole of the works in a clean and perfect condition ready for immediate occupation and use	
<b>To Collection</b>		<b>18,000,000.00</b>

A	<p><b>Tape Protection to Windows, Entrance Screens and Doors</b></p> <p>The windows, entrance screens and doors will be supplied with tape protection and the sub-contractor will strip off tape and clean down</p>	
B	<p>The Contractor should allow for any additional protection he may deem necessary and also arrange with the sub-contractor a programme for stripping and cleaning down.</p>	
	<b>Drying the Works</b>	
C	<p>The Contractor will be responsible for and is to allow controlling the humidity of the building immediately before handing over and at all other times (including holiday periods) as may be necessary to facilitate the progress and completion of the works, including the work of sub-contractors, as described in the clauses hereafter.</p>	
	<b>Temporary Fencing, Hoardings, Screens, Fans, Planked Footways, Guard Rails, Gantries and Similar items</b>	

ITEM	DESCRIPTION	AMOUNT (TSHS)
D	The Contractor shall provide and erect all necessary hoardings, fences, fans, screens, strutting, shoring, gantries, footways, etc., temporary or otherwise for or in consequence of any of the works or for the protection and security of all persons and property whatsoever and take down and clear away on completion or when no longer required and make good all work disturbed	
E	The Contractor shall provide all temporary lighting and obtain all licences and consents, pay all deposits legally demandable, maintain, alter and adapt as necessary and comply with the requirements of the local and other authorities in respect of all the hoardings, fences, fans, screens, strutting, shoring, gantries, footways, etc., previously described as necessary during the carrying out of the works	
F	Note:- Any fees or charges (not deposits) payable in connection with the foregoing items of hoardings, fences, fans, screens, strutting, shoring, gantries, footways, etc., should be allowed for this purpose	
G	<p data-bbox="355 882 979 904"><b>Control of Noise, Pollution and all Other Statutory Obligations</b></p> <p>The and surrounding buildings will be in occupation during the course of this contract and the Contractor is to allow in his prices and programming for carrying out the work so as to cause the minimum disturbance to the occupants and the exercise of all due precautions and for complying with all reasonable instructions from the Project Manager/Architect to achieve this</p>	
H	The Contractor shall make every endeavour to reduce construction noise to the minimum. All power tools shall have efficient silencing jackets	
J	The Contractor shall take all reasonable precautions to ensure the efficient protection of all streams and waterways against pollution arising out of or by reason of the execution of the works	
K	The Contractor shall take all necessary precautions to prevent nuisance from water, smoke, dust, rubbish and other causes	
L	The contractor is to comply with all statutory enactments and obligations not previously defined arising out of or as a direct consequence of the execution of the works	
M	No claim will be admitted by reason of the Contractor having failed to comply with all or any of the foregoing conditions	
	<b>To Collection</b>	

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**COLLECTION**

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# BUILDERS WORK

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<b>ELEMENT No. 1: SUBSTRUCTURE (PROVISIONAL)</b>					
<b><u>EXCAVATION AND EARTHWORK</u></b>					
A	Clear site of bushes, shrubs, undergrowth, small trees and the like including grubbing up their roots	4,838	m <sup>2</sup>	1,000	4,838,000.00
B	Excavate to remove vegetable soil 150mm average depth including conveying and depositing in spoil heaps away from the excavations	4,838	m <sup>2</sup>	1,500	7,257,000.00
C	Excavate foundation trench commencing at formation level and not exceeding 1.50 metres deep	307	m <sup>3</sup>	5,000	1,535,000.00
D	Excavate pit for columns commencing at stripped level and not exceeding 1.50 metres deep	201	m <sup>3</sup>	5,000	1,005,000.00
E	Excavate pit for columns commencing at formation level; over 1.50 but not exceeding 3.00 metres deep	0	m <sup>3</sup>	6,500	-
F	Extra over any kind of excavation for breaking up rock and the like (provisional)	1,162	m <sup>3</sup>	25,000	29,050,000.00
G	Granular backfilling, well rammed and consolidated around foundation in 200mm layers to attain 95% maximum dry density	1,719	m <sup>3</sup>	20,000	34,380,000.00
H	Load up surplus excavated material and remove from site	217	m <sup>3</sup>	4,500	976,500.00
J	Selected excavated material, deposit, well compacted and consolidated to make up levels under floor; 100mm thick	1,413	m <sup>2</sup>	6,500	9,184,500.00
K	Cut and/or Fill (Provisional)	968	m <sup>3</sup>	20,000	19,359,508.00
<b><u>Disposal of water</u></b>					
L	Allow for keeping excavations free from water (except spring or running water) by pumping, baling or other means necessary		Item		6,500,000.00
<b><u>Planking and strutting</u></b>					
M	Allow for the provision and subsequent removal of planking and strutting to uphold and maintain all faces of excavations		Item		6,500,000.00
<b><u>Hardcore</u></b>					
N	150mm Bed levelled, compacted to 95% MDD and blinded to receive polythene membrane (measured separately)	1,413	m <sup>2</sup>	13,500	19,073,340.00
<b><u>Soil sterilization</u></b>					
P	Aldrin 0.50% solution applied at a rate of 7 litres per square metre to hardcore bed	1,413	m <sup>2</sup>	3,000	4,238,520.00
Q	Ditto applied at rate of 8 litres per linear metre per 300mm depth per 235mm width to backfilling to one side of wall foundations	180	m	1,500	270,000.00
<b>TO COLLECTION</b>				<b>TZS</b>	<b>144,167,368.00</b>



ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>CONCRETE WORK</u></b>				
	<b><u>Plain insitu concrete grade "10" granite or basalt aggregates</u></b>				
A	50mm Blinding	976	m <sup>2</sup>	9,500	9,269,815.00
	<b><u>Reinforced insitu concrete grade "30" granite or basalt aggregates including vibrating around reinforcement</u></b>				
	Foundations	79	m <sup>3</sup>	305,000	24,159,660.00
C	Column bases	84	m <sup>3</sup>	305,000	25,722,480.00
D	Columns and the like	7	m <sup>3</sup>	305,000	2,021,898.38
	<b><u>Reinforced insitu concrete grade "25" granite or basalt aggregates including vibrating around reinforcement</u></b>				
F	200mm Bed	1526	m <sup>2</sup>	61,000	93,086,000.00
G	Steps, ramps and the like	4	m <sup>3</sup>	305,000	1,220,000.00
H	Plinth beam or the like irrespective of thickness	28	m <sup>3</sup>	305,000	8,628,450.00
J	Machine bases	3	m <sup>3</sup>	305,000	915,000.00
	<b><u>Reinforcement</u></b>				
	<b><u>High tensile hot rolled deformed steel bar reinforcement to BS 4449:1997</u></b> The following items have been measured provisional)				
	<u>Bars: high yield steel; cold worked; B.S. 4466; 460 N/mm<sup>2</sup></u>				
	Straight or bent				
K	Irrespective of diameter; generally General; 25mm, 20mm, 16mm, 12mm, 10mm, 8mm diameter bars	25,801	kg	3,200	82,562,344.80
L	Fabric reinforcement; B.S 252; Reference A393; Mesh size 200x200mm; Weight 3.02kgs per square metre; 200mm end laps; 200mm side laps	1,530	m <sup>2</sup>	20,000	30,600,000.00
	<b>TO COLLECTION</b>			<b>TZS</b>	<b>278,185,648.18</b>

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**BILL NUMBER 2 - PRINTING PRESS**

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b><u>Sawn formwork to</u></b>				
A	Vertical sides of foundation trenches	226	m <sup>2</sup>	29,000	6,563,280.00
B	Vertical or battering sides of columns or the like	87	m <sup>2</sup>	29,000	2,526,132.00
C	Vertical or battering sides of circular columns or the like	0	m <sup>2</sup>	29,000	-
D	Vertical sides of plinth/ground beams and the like	246	m <sup>2</sup>	29,000	7,134,000.00
E	Vertical side of Column Bases	70	m <sup>2</sup>	29,000	2,032,030.00
F	Vertical sides of Retaining walls	246	m <sup>2</sup>	29,000	7,134,000.00
G	Vertical edge of slab and the like over 75 but not exceeding 150mm high	246	m	29,000	7,134,000.00
H	Vertical risers over 75 to 150mm high	24	m	29,000	696,000.00
J	Vertical sides of ramp over 75 to 150mm high	12	m	3,500	42,000.00
	<b><u>WALLING</u></b>				
	<b><u>Solid Concrete blocks; B.S. 6073; type A; 7.0N per square millimetre average compressive strength; solid; in cement mortar (1:4)</u></b>				
K	230mm Wall	517	m <sup>2</sup>	40,000	20,664,000.00
L	150mm wall to flower bed	15	m <sup>2</sup>	35,000	525,000.00
	<b><u>Damp proof membrane</u></b>				
M	Gunplas " USB-Green or OEA 250mics PVC sheeting on 150mm thick well compacted hardcore to Engineer spec. and treated with anti-poison	1,413	m <sup>2</sup>	4,000	5,651,360.00
	<b><u>Damp proof courses</u></b>				
	B.S. 743; type A; bitumen hessian base; 150mm laps 375 Micron damp proof course laid horizontally on blockwork 230mm wide	492	m	2,500	1,230,000.00
	<b><u>FINISHES</u></b>				
	<b><u>Insitu Finishes</u></b>				
	Rendering; 15mm two coat work; to concrete or blockwork; 12mm first coat of cement and sand (1:6); 3mm second coat of gypsum powdered skimming; steel trowelled to;				
P	Walls	108	m <sup>2</sup>	8,000	864,000.00
	<b><u>Three coats weather guard paint</u></b>				
	Prepare and apply one undercoat and two finishing coats of matt weather-guard paint to rendered plinth wall; wood floated rendered surfaces; external				
Q	Walls	108	m <sup>2</sup>	9,000	972,000.00
	<b>TO COLLECTION</b>			<b>TZS</b>	<b>63,167,802.00</b>

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
Page No. 4/1/3					
	<b>EXPANSION JOINTS</b> <b>Sundries associated with in-situ works; Expansion Joints,</b>				
A	12mm thick x 175mm wide construction joint filled with polysulphide sealant.	45	m	25,000	1,125,000.00
	<b>Isolation Joints</b>				
B	25mm wide, 50mm deep groove, filled with sealant rubber flex.	45	m	25,000	1,125,000.00
C	100mm wide, aluminium cover on expansion joint	45	m	25,000	1,125,000.00
	<b>Water bar</b>				
D	225mm water bar "POLYSTOP"	45	m	25,000	1,125,000.00
<b>TO COLLECTION</b>				<b>TZS</b>	<b>4,500,000.00</b>
<b>COLLECTION</b>					
	Page No. 4/1/1				144,167,368.00
	Page No. 4/1/2				278,185,648.18
	Page No. 4/1/3				63,167,802.00
	Page No. 4/1/4				4,500,000.00
<b>SUBSTRUCTURE CARRIED TO SUMMARY OF BILL</b>					
<b>No. 4</b>				<b>TZS</b>	<b>490,020,818.18</b>

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<b><u>ELEMENT No. 2: FRAME</u></b> <b>(PROVISIONAL)</b>					
<b><u>CONCRETE WORK</u></b>					
<b><u>Reinforced concrete grade "25"; 19mm. granite or basalt aggregates including vibrating around reinforcement</u></b>					
A	Columns and the like; vertical	43	m <sup>3</sup>	305,000.00	13,258,350.00
B	Horizontal beams	96	m <sup>3</sup>	305,000.00	29,157,847.50
C	150mm Horizontal suspended slab	611	m <sup>2</sup>	45,750.00	27,953,250.00
<b><u>Reinforcement</u></b>					
<b><u>High tensile hot rolled deformed steel bar reinforcement to BS 4449:1997</u></b> <b>(The following items have been measured provisional)</b>					
F	<b><u>Bars; high yield steel; cold worked; B.S. 4466; 460 N/mm<sup>2</sup></u></b>				
G	Straight or bent				
H	Irrespective of diameter; generally General; 25mm, 20mm, 16mm, 12mm, 10mm, 8mm diameter bars	29,994	kg	3,200.00	95,979,312.00
<b><u>Sawn formwork to</u></b>					
J	Vertical sides of columns	571	m <sup>2</sup>	29,000.00	16,564,800.00
J	Vertical sides of circular columns	0	m <sup>2</sup>	29,000.00	-
K	Sides and soffits of horizontal beams	1,017	m <sup>2</sup>	29,000.00	29,497,060.00
L	Vertical edge of slab and the like over 75 but not exceeding 150mm high	136	m	4,350.00	591,600.00
M	Soffits of suspended slab	611	m <sup>2</sup>	29,000.00	17,719,000.00
<b><u>EXPANSION JOINTS</u></b>					
<b><u>Sundries associated with in-situ works; Expansion Joints.</u></b>					
N	12mm thick x 300mm wide construction joint filled with polysulphide sealant.	120	m <sup>2</sup>	50,000.00	6,000,000.00
<b><u>Isolation Joints</u></b>					
P	25mm wide, 50mm deep groove, filled with sealant rubber flex.	120	m	25,000.00	3,000,000.00
Q	100mm wide, aluminium cover on expansion joint	40	m	28,500.00	1,140,000.00
<b><u>Water bar</u></b>					
R	225mm water bar "POLYSTOP"	40	m	25,000.00	1,000,000.00
<b>FRAME CARRIED TO SUMMARY OF BILL No. 4</b>				<b>TZS</b>	<b>241,861,219.50</b>

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<b><u>ELEMENT No. 3: STAIRS</u></b>					
<b><u>CONCRETE WORK</u></b>					
<b><u>Reinforced concrete grade "25" including vibrating around reinforcement</u></b>					
A	Stairs and beams	2	m <sup>3</sup>	305,000.00	610,000.00
B	150mm Horizontal suspended landing	4	m <sup>2</sup>	45,750.00	183,000.00
<b><u>Reinforcement (Provisional)</u></b>					
<b><u>High tensile hot rolled deformed steel bar reinforcement to BS 4449:1997</u></b> (The following items have been measured provisional)					
<b><u>Bars: high yield steel; cold worked; B.S. 4466; 460 N/mm<sup>2</sup></u></b>					
Straight or bent					
C	Irrespective of diameter; generally General; 25mm, 20mm, 16mm, 12mm, 10mm, 8mm diameter bars	501	kg	3,200.00	1,603,200.00
<b><u>Sawn formwork to</u></b>					
D	Horizontal soffit of suspended landing	4	m <sup>2</sup>	29,000.00	116,000.00
E	Sides and soffit of landing beam	3	m <sup>2</sup>	29,000.00	87,000.00
F	Sloping soffit of staircases	11	m <sup>2</sup>	29,000.00	319,000.00
G	Vertical side of stair string 300mm (extreme) high including cutting profile of treads and risers	53	m	4,500.00	238,500.00
H	Vertical edge of landing over 150 but not exceeding 225mm high	7	m	3,500.00	24,500.00
J	Vertical riser 150mm high	28	m	3,500.00	98,000.00
<b>BALUSTRADES</b>					
<b><u>Mild steel balustrade; comprising of 50 mm diameter heavy duty alloyed hand and intermediate rails; approved size; all fixed to and including 40mm diameter heavy duty alloyed balusters welded to mild steel hand rails 900 mm centre to centre or approved spacing with primed and two coats gloss paint; fixing to position; bolted to concrete background</u></b>					
K	900 mm high	16	m	280,000.00	4,480,000.00
<b>STAIRS CARRIED TO SUMMARY OF BILL No. 4</b>				<b>TZS</b>	<b>7,759,200.00</b>

ITEM	DESCRIPTION	AMOUNT (TSHS)
	Page 1/5	
	Page 1/6	
	Page 1/7	34,000,000.00
	Page 1/8	12,000,000.00
	Page 1/9	
	Page 1/10	3,500,000.00
	Page 1/11	
	Page 1/12	
	Page 1/13	
	Page 1/14	
	Page 1/15	
	Page 1/16	50,000,000.00
	Page 1/17	25,000,000.00
	Page 1/18	18,000,000.00
	Page 1/19	
<b>BILL NR 1 - PRELIMINARIES AND GENERAL CONDITIONS OF CONTRACT CARRIED TO GENERAL SUMMARY</b>		<b>142,500,000.00</b>



ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b>ELEMENT No. 4: WALLING</b>				
	<b><u>CONCRETE WORK</u></b>				
	<b><u>Precast concrete grade "25" including hoisting to position, bedding and pointing in cement mortar (1:3)</u></b>				
	<b><u>Window Cills</u></b>				
	Weathered and throated ,beveled fair faced on exposed surfaces; hoisting to position; bedded and pointed in cement and sand (1:3) mortar				
A	250 x 100mm	84	m	24,500.00	2,067,800.00
B	300 x 100mm	25	m	27,000.00	675,000.00
	<b><u>Lintel</u></b>				
C	200mm thick; 150mm wide; reinforced with 4 No.; 16mm rolled mild steel bars along the length; 8mm mild steel stirrups at 200mm centres	30	m	96,250.00	2,916,375.00
	<b><u>Decorative Copping</u></b>				
	Precast concrete weathered and throated,beveled fair faced on exposed surfaces; hoisting to position; bedded and pointed in cement and sand (1:3) mortar				
D	350 x 200mm Copping	192	m	28,500.00	5,472,000.00
	<b><u>WALLING</u></b>				
	<b><u>Solid Concrete blocks; B.S. 6073; type A; 7.0N per square millimetre average compressive strength; solid; in cement mortar (1:4)</u></b>				
E	100mm Wall (Parapet walls)	230	m <sup>2</sup>	38,000.00	8,755,200.00
F	150mm Wall	154	m <sup>2</sup>	35,000.00	5,388,775.00
G	230mm Wall	2,773	m <sup>2</sup>	40,000.00	110,932,668.00
H	150mm perforated wall	19	m <sup>2</sup>	35,000.00	665,000.00
	<b><u>Wall ties</u></b>				
J	Galvanised wire butterfly type wall tie 200mm long to BS 1243 Fig. 2 once bent and stapled to formwork including straightening tie after stripping off formwork and building exposed end into horizontal joint of blockwork every after three courses	2,350	nr	1,000.00	2,350,000.00
	<b><u>BALUSTRADES</u></b>				
	<b><u>Mild steel balustrade; comprising of 50 mm diameter heavy duty alloyed hand and intermediate rails; approved size; all fixed to and including 40mm diameter heavy duty alloyed balusters welded to mild steel hand rails 900 mm centre to centre or approved spacing with primed and two coats gloss paint; fixing to position; bolted to concrete background</u></b>				
K	900 mm high	35	m	280,000.00	9,800,000.00
	<b>WALLING CARRIED TO SUMMARY OF BILL No. 4</b>			<b>TZS</b>	<b>149,022,818.00</b>

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<b>ELEMENT No. 5: ROOFING</b>					
<b><u>PITCHED ROOF</u></b>					
<b><u>COVERINGS:</u></b>					
<b><u>28 Gauge; Aluzinc; IT5; resincoat roofing sheet lapped to sides and ends as per manufacturer's specifications; fixed to timber purlins (m/s).</u></b>					
A	Roof covering sloping not exceeding 45 degrees from horizontal	1860	m <sup>2</sup>	28,000	52,080,000.00
B	Ditto, vertical	293	m <sup>2</sup>	28,000	8,204,000.00
C	550mm girth Ridge capping	237	m	15,500	3,673,500.00
D	Aluminum flashing	201	m	18,500	3,718,500.00
<b><u>Roof structure</u></b>					
<b><u>The following are mild steel roof truss spanning over 16.00m not exceeding 18.00m to BS 449 and BS 4360 grade 43A including one primer coat and two finishing coats of oil paint, before and after (respectively) erected into position by steel fabricator ; site welded and connected (Provisional)</u></b>					
E	75x6mm CHS top chord	791	m	29,000	22,924,500
F	75x6mm CHS bottom chord	791	m	29,000	22,924,500
G	50x4mm CHS struts chord	1146	m	26,000	29,801,850
H	125x50x18.75x2mm Z purlins	1647	m	24,000	39,525,000
<b><u>SUNDRIES</u></b>					
<b><u>Metal plates; Mild Steel</u></b>					
J	300 x 300 x 4mm thick metal plate ; bolted and welded	52	nr	33,500	1,742,000
K	50 x 50 x 4mm angle cleats	658.8	nr	4,500	2,964,375
<b><u>Black Bolts; mild steel</u></b>					
L	16mm diameter x 300mm long; one nut, one washer	104	nr	4,500	468,000
M	16mm diameter MS bolt for joining angle cleats to bottom chords	52	nr	4,500	234,000
N	Hole through 4mm thick mild steel plate for 16mm bolts	156	nr	1,000	156,000
<b><u>Roof drainage.</u></b>					
<b><u>"Fulbora" cast iron rainwater outlet</u></b>					
P	150mm vertical spigot outlet with dome grating, cast in concrete	8	nr	80,000	640,000.00
Q	150mm UPVC iron down water pipe fixed to wall with standard holder bats.	76	m	28,500	2,166,000.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
R	Extra; swarn neck.	8	nr	30,000	240,000.00
S	Extra; shoe	8	nr	30,000	240,000.00
T	Rainwater concrete trough; size as per Architectural drawings.	8	nr	45,000	360,000.00
<b>ROOFING CARRIED TO SUMMARY OF BILL No. 4</b>				<b>TZS</b>	<b>192,062,225.00</b>

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<b>ELEMENT NR. 07 - DOORS</b>					
<b>JOINERY</b>					
<b>Mkongo or similar approved hardwood</b>					
<u>Frames ; to surfaces requiring plugging ; rough grounds</u>					
A	50 x 150mm. rebated ; screwed and pellated	202	m	33,000	6,681,840.00
<u>Transome</u>					
B	50 x 150mm. rebated ; screwed and pellated	24	m	33,000	792,000.00
<u>Architraves; mould</u>					
C	38 x15mm	405	m	9,500	3,847,120.00
<u>Glazing beads; grooved moulded to receive glass(m/s)</u>					
D	15 x 25mm	173	m	6,500	1,123,200.00
<u>Doors; solid hardwood "Mkongo" ; fixing</u>					
Panelled door;120x45mm stiles, top and middle rail; 180x45mm bottom rail; two number 20mm thick panel with different size;					
E	Door Size 2000 x 2400 mm overall D1	2	nr	1,680,000	3,360,000.00
F	Door Size 1000 x 2400 mm overall D2	21	nr	720,000	15,120,000.00
G	Door Size 800 x 2100 mm overall D3	7	nr	504,000	3,528,000.00
H	Door Size 800 x 2100 mm overall D5	2	nr	504,000	1,008,000.00
J	Door Size 570 x 2100 mm overall D6	4	nr	359,100	1,436,400.00
<b>Sawn hardwood, third grade.</b>					
K	15 x 80mm Grounds, plugged	202	m	6,500	1,316,120.00
<b>IRONMONGERY</b>					
<u>Supply and fix the following ironmongery as per HAFELLE or equal and approved manufacturer to or timber with suitable screws provided</u>					
L	Ball bearing hinges X8205-BB-3	57	prs	38,500	2,194,500.00
M	Door stoper S100-SSS	25	nr	45,000	1,125,000.00
N	Lever Mortice Lock 22295 Chrome Finish	23	nr	145,000	3,335,000.00
P	Door signage FS-200 Disabled symbol	2	nr	30,000	60,000.00
Q	Door signage FS-200 Male and Female symbol	4	nr	30,000	120,000.00
R	Kicking plates, STST 987.28.000 AH 10.33	7	nr	120,000	840,000.00
S	Door closer	23	nr	135,000	3,105,000.00
T	Symbol pull set	4	nr	35,000	140,000.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
U	Push plate "PUSH" symbol	4	nr	35,000	140,000.00
<b>TO COLLECTION</b>				<b>TZS</b>	<b>49,272,180.00</b>

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A	Union indicator	7	nr	35,000	245,000.00
B	Floor spring Hinges for disabled door	2	nr	45,000	90,000.00
<b>GLAZING</b>					
<u>5mm thick clear glass; toughened and tempered; fixed with hard wood beads m/s:</u>					
C	Panes over 0.5 m <sup>2</sup> not exceeding 1.0m <sup>2</sup>	38	m <sup>2</sup>	42,000	1,597,050.00
<u>Roller shutter</u>					
<u>Supply and fix metal roller shutter including all necessary fittings and accessories.</u>					
D	Overall size 5000 x 3000mm high	1	nr	4,500,000	4,500,000.00
E	Overall size 4500 x 3000mm high	0	nr	4,050,000	-
F	Overall size 4000 x 3000mm high	2	nr	3,600,000	7,200,000.00
<b>TO COLLECTION</b>				<b>TZS</b>	<b>13,632,050.00</b>

<b>COLLECTION</b>					
Page No. 4/6/1					
49,272,180.00					
Page No. 4/6/2					
13,632,050.00					
<b>DOORS CARRIED TO SUMMARY OF BILL No. 4</b>				<b>TZS</b>	<b>62,904,230.00</b>

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b>ELEMENT NR. 08 - WINDOWS</b>				
	<b><u>COMPOSITE UNITS</u></b>				
	<u>Aluminium windows; comprising of 100x28.5x(1.2 - 1.4)mm thick series; standard Aluminium profile; ex-UAE; Polyester Powder Coated aluminium profile; RAL Colour 7011; Supported by Independent test certificate in confirming extruded aluminium grade 6063 T6 to BSEN12020; infill 6mm ordinary glass AGC Guardian/Saint Gobain Single Glazed Unit; Outer ; Heat strengthened glass inside to accommodate 30-60% Light transmission, 1.9 U-Value, Solar heat gain coefficient &lt; 0.34; complete with mosquito proofing panel and all necessary standard fittings and accessories</u>				
	<b>Fixed and Sliding Windows</b>				
A	Window Size 3000 x 2000 mm overallW1	13	nr	2,100,000	27,300,000.00
B	Window Size 1200 x 1700 mm overallW2	11	nr	714,000	7,854,000.00
C	Window Size 3000 x 1000 mm overall W3	7	nr	1,050,000	7,350,000.00
D	Window Size 2300 x 800 mm overall W4	4	nr	644,000	2,576,000.00
E	Window Size 2000 x 2000 mm overall W5	1	nr	1,400,000	1,400,000.00
	<b>WINDOW GRILL</b>				
	<u>Supply and fix mild steel window grill comprising of 40 x 25mm rectangular hollow sections, filled flat bars</u>				
G	Window Size 3000 x 2000 mm overallW1	13	nr	720,000	9,360,000.00
H	Window Size 1200 x 1700 mm overallW2	11	nr	244,800	2,692,800.00
J	Window Size 3000 x 1000 mm overall W3	7	nr	360,000	2,520,000.00
K	Window Size 2300 x 800 mm overall W4	4	nr	220,800	883,200.00
L	Window Size 2000 x 2000 mm overall W5	1	nr	480,000	480,000.00
	<b>WINDOWS CARRIED TO SUMMARY OF BILL No. 4</b>			<b>TZS</b>	<b>62,416,000.00</b>

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b>ELEMENT NR. 09 - FINISHING</b>				
	<u>INSITU FINISHING</u>				
	<u>Plaster: 12mm first coat of cement and sand (1:6); 3mm second coat of gypsum powder or white skimming ; steel trowelled, internally.</u>				
	15mm two coat work; to concrete or block work base; generally to				
A	Block walls	4,450	m <sup>2</sup>	9,000	40,049,424.00
B	soffits of staircase landings	4	m <sup>2</sup>	9,000	33,750.00
C	sloping sides/waist of stairs	53	m <sup>2</sup>	9,000	475,848.00
D	Soffit of suspended Slab	1,500	m <sup>2</sup>	9,000	13,499,802.00
D	sloping soffits of staircase	11	m <sup>2</sup>	9,000	102,600.00
H	Side and soffit of the beams	415	m <sup>2</sup>	9,000	3,734,100.00
	<u>Render: 12mm first coat of cement and sand (1:6); 3mm second coat of white cement or white skimming ; steel trowelled, externally.</u>				
A	Block walls	1,179	m <sup>2</sup>	9,500	11,195,769.00
E	Rendered concrete cill and the like	49	m <sup>2</sup>	9,500	467,685.00
	<b>PATENT SUSPENDED ACOUSTIC CEILING SYSTEM</b>				
	Supply and fix suspended ceiling 600mm x 600 x 15mm thick Acoustic mineral fibre ceiling tiles; ex- Germany;Knauf High performance board,complete with main and cross tees/runners semi-recessed with Trulok F24 sections, suspension hangers (rods) and wall angles				
F	over 300mm wide ; horizontal ceilings not exceeding 4.50 m above floor level	469	m <sup>2</sup>	60,000	28,128,000.00
	<u>TILE, SLAB OR BLOCK FINISHINGS</u>				
	<u>Polished full body porcelain tiles: Twyford -Kibaha razor cut, butt jointed at 450"bedding and jointing in cement mortar (1:3); grouting joints with approved grout</u>				
	600 x 600 x 10mm; joints straight both ways; to cement and sand base; generally to;				
J	Floors	2,000	m <sup>2</sup>	55,000	109,998,790.00
L	125mm high skirting	1,141	m	6,875	7,844,438.46
K	Landings	4	m <sup>2</sup>	55,000	206,250.00
L	treads; 300 mm wide	35	m	16,500	569,250.00
M	risers; 150 mm high	38	m	8,250	309,375.00
<b>TO COLLECTION</b>				<b>TZS</b>	<b>216,615,081.46</b>



ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>Glazed ceramics tiles; BS 6431; imported; Twyford-Kibaha or the like; to pattern as per drawings ;bedding and jointing in cement mortar (1:3); grouting joints with approved grout</u>				
A	300 x 450 x 8mm; joints straight both ways; to cement and sand base; generally to Walls	213	m <sup>2</sup>	35,000	7,453,600.00
	<b><u>BEDS OR BACKINGS</u></b>				
	<u>Mortar; cement and sand (1:4)</u>				
B	30mm to floors	2,000	m <sup>2</sup>	12,500	24,999,725.00
C	12mm to walls	213	m <sup>2</sup>	9,000	1,916,640.00
<b>TO COLLECTION</b>				<b>TZS</b>	<b>34,369,965.00</b>
	<b>COLLECTION</b>				
	Page No. 4/8/1				216,615,081.46
	Page No. 4/8/2				34,369,965.00
	<b>TOTAL, FINISHINGS CARRIED TO SUMMARY OF BILL No. 4</b>			<b>TZS</b>	<b>250,985,046.46</b>

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (TZS)
<b>ELEMENT No. 9: PAINTING AND DECORATIONS</b>					
<u>Internal work</u>					
<u>Prepare and apply one coat alkali primer, two coats of wash 'n' wear surfacer and finish with two coats of amphibolin 2000 paint to as of PLASCON or equal and approved brand</u>					
A	Block walls	4,450	m <sup>2</sup>	9,500.00	42,274,392.00
C	soffits of staircase landings	4	m <sup>2</sup>	9,500.00	35,625.00
D	sloping soffits of staircase	11	m <sup>2</sup>	9,500.00	108,300.00
E	sloping sides/waist of stairs	53	m <sup>2</sup>	9,500.00	502,284.00
F	Soffit of suspended Slab	1,500	m <sup>2</sup>	9,500.00	14,249,791.00
G	Side and soffit of the beams	415	m <sup>2</sup>	9,500.00	3,941,550.00
<u>Prepare and apply one coat of sand sealer, one coat of dark stain and two coats of clear eggshell polyurethane varnish. on wood surfaces before fixing</u>					
H	Frames and the like over 100 but not exceeding 200mm girth	226	m	3,000.00	679,440.00
J	Ditto not exceeding 100mm girth	578	m	3,000.00	1,733,280.00
<u>Prepare, prime and apply three coats of mahogany varnish stain as per manufacturer's specification on wood surfaces</u>					
K	General surfaces	160	m <sup>2</sup>	9,500.00	1,518,252.00
L	Frames and the like over 100 but not exceeding 200mm girth	226	m	3,000.00	679,440.00
M	Ditto not exceeding 100mm girth	578	m	3,000.00	1,733,280.00
<u>External work</u>					
<u>Prepare and apply one primer coat and two finishing coats of as of PLASCON or equal and approved brand weather guard paint or other equal and approved to</u>					
N	Rendered wall	1,179	m <sup>2</sup>	9,500.00	11,195,769.00
P	To isolated columns and the like	56	m <sup>2</sup>	9,500.00	532,000.00
Q	Rendered concrete cill and the like	49	m <sup>2</sup>	9,500.00	467,685.00
R	Rendered vertical edge of slab and the like over 75 but not exceeding 150mm high	136	m	3,000.00	408,000.00
<b>PAINTING AND DECORATIONS CARRIED TO SUMMARY OF BILL No. 4</b>				<b>TZS</b>	<b>80,059,088.00</b>

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## SERVICES

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (TZS)
<b>ELEMENT NR. 10- ICT INSTALLATIONS</b>					
<b>GROUND FLOOR-STRUCTURED CABLING</b>					
<b>Supply, install, test and commission the following:</b>					
A	Category 6e unshielded data patch cord (3m) White/grey Colour	0	nr	25,000.00	-
B	Category 6e unshielded data patch cord (1m) white/grey Colour	0	nr	20,000.00	-
C	Cisco indoor access point as model AIR -AP3802I-E-K9	0	nr	950,000.00	-
D	Cat. 6e Dual RJ45 outlets, complete with face plate, spring loaded shutter, labelling fied, Cat. 6e snap in Connectors	0	nr	30,000.00	-
E	4 pair UTP Cat. 6e data cable from outlet points to floor distributor (FD)	7015	Lm	1,600.00	11,224,000.00
F	1 HU Cat. 6e screened patch panel with 48 ports and clip on for data termination complete with all necessary accessories.	0	nr	250,000.00	-
G	1 HU 48 ports 10/100/1000Mbps PoE Cisco Data Switch with 4x1G fiber ports complete with modules & with valid EoL	0	nr	8,500,000.00	-
H	1 HU universal patch guide for cable guiding	0	nr	25,000.00	-
J	YeaLink SIP-T22P VoIP telephone handset	0	nr	250,000.00	-
<b>FIRST FLOOR-STRUCTURED CABLING</b>					
<b>Supply, install, test and commission the following:</b>					
K	Category 6e unshielded data patchcord (3m) White/grey Colour	0	nr	25,000.00	-
L	Category 6e unshielded data patchcord (1m) white/grey Colour	0	nr	20,000.00	-
M	Cisco indoor access point as model AIR -AP3802I-E-K9	0	nr	950,000.00	-
N	Cat. 6e Dual RJ45 outlets, complete with face plate, spring loaded shutter, labelling fied, Cat. 6e snap in Connectors	0	nr	30,000.00	-
P	4 pair UTP Cat. 6e data cable from outlet points to floor distributor (FD)	0	Lm	1,600.00	-
Q	1 HU Cat. 6e screened patch panel with 48 ports and clip on for data termination complete with all necessary accessories.	0	nr	250,000.00	-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (TZS)
R	1 HU 48 ports 10/100/1000Mbps PoE Cisco Data Switch with 4x1G fiber ports complete with modules & with valid EoL	0	nr	8,500,000.00	-
S	1 HU universal patch guide for cable guiding	0	nr	25,000.00	-
<b>TO COLLECTION</b>					<b>11,224,000.00</b>

A	18U voice and data cabinet with 2 heat extract fans and 6 ways power distribution unit (PDU) and glass door.	0	nr	450,000.00	-
B	Rack mount 1500VA SMART APC UPS	0	nr	1,500,000.00	-
C	Provide adequate earthing to data and voice cabinet as per IEE regulations.	0	sum	50,000.00	-
<b>CCTV SYSTEM INSTALLATIONS</b>					
<b>Supply, install, test and commission the following:</b>					
D	Outdoor 5MP 1/3" Progressive CMOS, ICR, 0lux with IR, 2688x1520:20fps, 4mm/F1.4 lens, IP66, H.264/MJPEG, dual-stream, DC12V & PoE, 120dB WDR, 3D DNR, BLC, H.264+ Optimized Codec, 2xEXIR LED, IR: up to 50m, day and night with dynamic range 2-9 vari focal auto iris lens and outdoor wall housing and bracket for wall mounting.as HIK vision brand or approved equal.	0	nr	350,000.00	-
E	Indoor 5MP 1/3" Progressive CMOS, ICR, 0lux with IR, 2560x1920: 20fps, 4mm/F2.0 lens, H.264/MJPEG, dual-stream, IP66, DC12V & PoE, DWDR, 3D DNR, BLC,up to 128GB SD, 3-axis adjustment, IR range: up to 30m, Vandal-proof housing, H.264+ Optimized Codec, day and night with dynamic range 2-9 vari focal auto iris lens and outdoor wall housing and bracket for wall mounting.as HIK vision brand or approved equal.	0	nr	300,000.00	-
F	160Mbps Bit Rate Input Max(up to 24-ch IP video),4 SATA Interfaces,24 independent PoE network interfaces, alarm I/O: 24/4, 1.5U case,19",with 10TB storage capacity.	0	nr	3,500,000.00	-
G	24 channels high PoE Cisco switch	0	nr	2,500,000.00	-
H	55" LED TV with PC port	0	nr	2,000,000.00	-
J	Cat 6 UTP cables including all accessories	1220	nr	1,600.00	1,952,000.00
K	1m RJ 45 Patch cords	0	nr	20,000.00	-
<b>PUBLIC ADDRESS SYSTEM INSTALLATION</b>					
<b>Supply, install, test and commission the following:</b>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (TZS)
L	Motorized screen with size of 2000mm x 2000mm for projection.	0	nr	2,500,000.00	-
M	Epson projector (MODEL: G5750WUNL) & 0.6mx0.6m Universal ceiling mounting kit	0	nr	3,500,000.00	-
N	Cabling & miscellaneous items (VGA Cables)	0	item	1,000,000.00	-
<b>TO COLLECTION</b>				<b>TZS</b>	<b>1,952,000.00</b>

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (TZS)
<b>ACCESS CONTROL SYSTEM</b>					
<b>Supply, install, test and commission the following:</b>					
A	InBio 460 Acces Control Panel for 4 Doors, Supports 8 RS-485-Reader and 4 26-bit Wiegand Reader, 4 Exit Device, 4 Door Status, 4-Form C relay for lock, 4 Form C relay for Aux Output, 30,000 Cards, 3,000 Fingers, 100,000 Log Capacity, Packaged with Protection box and Power Supply, Complete with its Backup batteries	0	nr	2,300,000.00	-
B	125KHZ Proximity Card Wiegand Reader, Upto 10cm read Range, IP65, External LED & Buzzer Control	0	nr	350,000.00	-
C	AL-280LED EM Lock Complete with its Z/L Brackets	0	Lot	250,000.00	-
D	Emergency Break glass, Green Color	0	nr	50,000.00	-
E	Metal door Release Button, 86Lx86Wx20T(mm)	0	nr	120,000.00	-
F	Read 125K proximity card number, USB interface; CR20E	0	nr	350,000.00	-
G	125KHz Proximity Card, Read only for Staff's accessibility to office. This number will be used for adding new staffs and replacing the old and losted ID cards. .	0	nr	350,000.00	-
H	Circuits for door access terminals	0	nr	20,000.00	-
J	Installation and Configurations of Access control Management Software, ZKAccess	0	Item	20,000.00	-
L	4-pair unshielded twisted pair cable(UTP),Cat 6	0	Lm	1,600.00	-
M	Biometric time attendance	0	nr	1,800,000.00	-
<b>PRELIMINARIES</b>					

Bill Nr. 4:Printing Press Block

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (TZS)
N	Allow for preparation of shop drawings	0	Item	500,000.00	-
P	Allow for preparation of 3 sets of as built drawings and operation manuals	1	Item	500,000.00	500,000.00
Q	Allow for maintenance of ICT services during defect liability period	0	Item	1,000,000.00	-
R	Allow for testing and commissioning of entire installation	0	Item	500,000.00	-
S	Allow for attendance and liasing fee for Telecommunication connection	0	Item	500,000.00	-
T	Allow for TTCL connection	0	Item	1,000,000.00	-
U	Allow for Internet provider connection	0	Item	500,000.00	-
<b>TO COLLECTION</b>				<b>TZS</b>	<b>500,000.00</b>

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<b>COLLECTION</b>					
	Page No. 4/10/1			11,224,000.00	
	Page No. 4/10/2			1,952,000.00	
	Page No. 4/10/3			500,000.00	
<b>ICT INSTALLATIONS CARRIED TO SUMMARY OF BILL No. 4</b>				<b>TZS</b>	<b>13,676,000.00</b>

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<b>ELEMENT No.11-ELECTRICAL AND FIRE DETECTION AND ALARM SYSTEMS INSTALLATIONS</b>					
<b>GROUND FLOOR</b>					
<b>Power Distribution.</b>					
A	8 Ways TPN distribution board DB-GF with integral 100A/300mA MCCB incomer and final circuit MCBs of 10A SP (7No),20A SP(12No) and 32A SP(4No) ,45A SP(1No)as ABB TYPE or APROVED EQUIVALENT.	1	nr	950,000	950,000.00
B	4C x 25mm <sup>2</sup> Cu,PVC/ PVC cable from Main LV Panel Board to distribution board DB GF	10	m	63,000	630,000.00
C	1C x 16mm <sup>2</sup> Cu,PVC Green/Yellow earth cable.	10	m	11,000	110,000.00
D	100mm diameter heavy gauge PVC Pipe	10	m	5,000	50,000.00
<b>Small Power Distribution</b>					
E	25mm diameter heavy gauge PVC conduits concealed underwalls and roof floors from distribution Boards to all power outlet points	1,710	m	1,500	2,565,000.00
F	Single core 2.5 sqmm PVC copper cables from distribution Boards to all power outlet points	3,000	m	1,500	4,500,000.00
G	2 x13A raw power switched socket outlet complete with back box	70	nr	35,000	2,450,000.00
H	TV ,CAMERA,Data and Voice outlet points complete with back box	55	nr	15,000	825,000.00
J	20A DP switch for A/C and h/d as Legrand or approved	10	nr	20,000	200,000.00
K	Cooker control unit 45A DP switched with neon lamp and integral 13A switch socket outlet flush as Legrand or approved equivalent	1	nr	35,000	35,000.00
L	Single core 6 sqmm PVC copper cables from distributions Boards to all Cooker outlet points	26	nr	5,500	143,000.00
<b>Light Fittings</b>					
M	20mm diameter heavy gauge PVC conduits concealed underwalls and roof floors from distribution Boards to all lighting,fire alarm outlet points and fixtures	2,652	m	1,000	2,652,000.00
N	Single core 1.5 sqmm PVC copper cables from distribution Boards to all lighting outlet points	6,345	m	1,200	7,614,000.00
P	<b>Lighting type A:RECESSED LED PANEL RC-EII SQUARE 595-40W-6000 -GY-GP LED PANEL LAMP AS OPPL TYPE OR APPROVED EQUIVALENT</b>	0	nr	100,000	-



Q	Lighting type B: LEDS DOWNLIGHT RC-HM R120-12W-3000K-WH-GP WITH SAP CODE 140048186 AS OPPL TYPE OR APPROVED EQUIVALENT	0	nr	65,000	-
<b>TO COLLECTION</b>				<b>TZS</b>	<b>22,724,000.00</b>

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A	Lighting type C:LEDS DOWNLIGHT RC-ESII R100-12W-600 WH NV WITH SAP CODE 140053271 AS OPPL TYPE OR APPROVED EQUIVALENT	6	nr	65,000	390,000.00
B	Lighting type D:LEDS CEILING LAMP,HC 300-10W-5700K RADAR PLUS -10 WITH SAP CODE 140056039 AS OPPL TYPE OR APPROVED EQUIVALENT.	0	nr	65,000	-
C	Lighting type E: LEDS -42-T8-1200MM 18W-4000K GLASS-DBL -CT -COMPLETE WITH LED TUBE AS OPPL TYPE OR APPROVED EQUIVALENT.	0	nr	65,000	-
D	Lighting type F: LED BULKHEAD -E-26W-4000-FR-GP IP65 WITH CODE 543022000710.	0	nr	65,000	-
E	Lighting type K: LEDS SpotSM -V7W-6500-30D-WH-GP CODE 140058513 AS PPLE TYPE OR APPROVED EQUIVALENT	13	nr	65,000	845,000.00
F	One way 1 gang light switch as Legrand or equivalent	15	nr	10,000	150,000.00
G	One way 2 gang light switch as Legrand or equivalent	1	nr	10,000	10,000.00
H	Two way 1 gang light switch as Legrand or equivalent	10	nr	10,000	100,000.00
J	Photocell unit c/w 16A TPN contactor for external lighting.	1	nr	35,000	35,000.00
<b>FIRST FLOOR</b>					
<b>Power Distribution.</b>					
K	8 Ways TPN distribution board DB-FF with integral 100A/300mA MCCB incomer and final circuit MCBs of 10A SP (2No),20A SP(17No) and 32A SP(4No) ,45A SP(1No)as ABB TYPE or APROVED EQUIVALENT.	1	nr	950,000	950,000.00
L	4C x 25mm <sup>2</sup> Cu,PVC/ PVC cable from Main LV Panel Board to distribution board DB FF	24	m	63,000	1,512,000.00
M	1C x 16mm <sup>2</sup> Cu,PVC Green/Yellow earth cable.	24	m	11,000	264,000.00
N	100mm diameter heavy gauge PVC Pipe	24	m	5,000	120,000.00
<b>Small Power Distribution</b>					

P	25mm diameter heavy gauge PVC conduits concealed underwalls and roof floors from distribution Boards to all power outlet points	564	m	1,500	846,000.00
Q	Single core 2.5 sqmm PVC copper cables from distribution Boards to all power outlet points	1,575	m	1,500	2,362,500.00
R	2 x13A raw power switched socket outlet complete with back box	32	nr	35,000	1,120,000.00
<b>TO COLLECTION</b>				<b>TZS</b>	<b>8,704,500.00</b>

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A	TV ,CAMERA,Data and Voice outlet points complete with back box	3	nr	15,000	45,000.00
B	20A DP switch for A/C and h/d as Legrand or approved equivalent	10	nr	20,000	200,000.00
C	Cooker control unit 45A DP switched with neon lamp and integral 13A switch socket outlet flush as Legrand or approved equivalent	1	nr	35,000	35,000.00
D	Single core 6 sqmm PVC copper cables from distributions Boards to all Cooker outlet points	20	nr	5,500	110,000.00
<b>Light Fittings</b>					
E	20mm diameter heavy-gauge PVC conduits concealed underwalls and roof floors from distribution Boards to all power outlet points	661	m	1,000	661,000.00
F	Single core 1.5 sqmm PVC copper cables from distribution Boards to all lighting outlet points	1,989	m	1,200	2,386,800.00
G	<b>Lighting type A:RECESSED LED PANEL RC-EII SQUARE 595-40W-6000 -GY-GP LED PANEL LAMP AS OPPL TYPE OR APPROVED EQUIVALENT</b>	0	nr	100,000	-
H	<b>Lighting type C:LEDS DOWNLIGHT RC-ESII R100-12W-600 WH NV WITH SAP CODE 140053271 AS OPPL TYPE OR APPROVED EQUIVALENT</b>	0	nr	65,000	-
J	<b>Lighting type E: LEDS -42-T8-1200MM 18W-4000K GLASS-DBL -CT -COMPLETE WITH LED TUBE AS OPPL TYPE OR APPROVED EQUIVALENT.</b>	0	nr	65,000	-
K	One way 1 gang light switch as Legrand or equivalent	7	nr	10,000	70,000.00
<b>MAIN POWER SUPPLY</b>					

L	6-Ways TPN free wall mounted Main LV Panel Board with 320A TPN MCCB incomer ,metal clad,cubical pattern to IP20 form 2b,50HZ ,COMPRISING OF ABB switch gear and outgoing MCCBs of 63A TP (2 No), 100A TP (4 No),as ABB type or equal and approved .	1	nr	12,500,000	12,500,000.00
M	4C x 95mm <sup>2</sup> Cu, PVC/SWA/PVC cable from Main Supply passing through changeover switch to Main LV Panel Board.	30	m	215,000	6,450,000.00
N	1C x 50 mm <sup>2</sup> PVC/Cu Green/Yellow earth cable.	30	m	30,000	900,000.00
P	100mm diameter heavy gauge PVC Pipe	30	m	5,000	150,000.00
Q	Supply and install the generator set of 3 Phase, 150kVA, 50Hz -(CATERPILAR TYPE) diesel generator sets with sound attenuated, auto start generator set and all features required for standby applications conveniently packaged together.	0	nr	65,000,000	-
<b>TO COLLECTION</b>				<b>TZS</b>	<b>23,507,800.00</b>

A	Supply and install the 200kVA,33/0.4kV oil immersed transformer (ABB TYPE) complete with drop out fuse including lightening arrestors,crossarms,pin insulators copper lugs for both sides HT and LT and all associated accessories	0	nr	21,500,000.00	-
B	200A TPN automatic changeover switch comprising of two 4-pole electrically and mechanically interlocked 200A motorised MCCB complete with controller AS PER ABB TYPE OR APPROVED EQUIVALENT.	0	nr	6,200,000.00	-
C	33KV lighthing arrestor C/w fuse Isolator	0	Set	5,500,000.00	-
D	Copper lugs-75sqmm-HT side	0	nr	35,000.00	-
E	Copper lugs-95sqmm-L/T side	0	nr	35,000.00	-
F	33KV Termination kit 95/75sqmm	0	Set	500,000.00	-
G	Metering cabinet 200A	0	nr	4,500,000.00	-
H	75sqmm 3core U/G HT cable	0	m	170,000.00	-
J	Copper cable lugs 95/75sqmm	0	nr	35,000.00	-
K	33kV HT Pole complete with all necessary conductors,insulators,suports and all installations accessories	0	nr	1,500,000.00	-
L	Pin insulator complete with conic pin	0	nr	750,000.00	-
M	Drop Out Fuse including Lightening Arrestors	0	nr	500,000.00	-

N	100mm x 25mm GSM cable tray for power and data	0	m	30,000.00	-
P	Allow for maintenance and services of Generator during defect liability period	0	Sum	2,000,000.00	-
Q	Allow one tanesco luku meter and all installations accessories	1	nr	2,500,000.00	2,500,000.00
R	All for complete earthing of the Electrical System to IEE standards.	1	item	3,500,000.00	3,500,000.00
S	Allow for testing and commissioning of the entire Installation	1	item	1,000,000.00	1,000,000.00
T	Allow preparation of three copies of " Installed Drawings" and operating manuals.	1	item	1,000,000.00	1,000,000.00
U	Allow for contractors follow up to TANESCO	1	item	1,000,000.00	1,000,000.00
<b>FIRE DETECTION &amp; ALARM SYSTEMS</b>					
V	2loops, 4 zones conventional fire alarm control panel FP 2000 Series complete with power supply units, plug in modules, charger and 24 hours battery standby unit	1	nr	2,500,000.00	2,500,000.00
W	Conventional Photoelectric smoke detector with base	35	nr	100,000.00	3,500,000.00
<b>TO COLLECTION</b>				<b>TZS</b>	<b>15,000,000.00</b>

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A	Conventional Photoelectric Heat detector with base	2	nr	100,000	200,000.00
B	Breakglass Conventional call point	2	nr	100,000	200,000.00
C	Conventional sounder	2	nr	100,000	200,000.00
D	Fire resistant cable 1.5sqmm,twin with earth wire	550	m	2,500	1,375,000.00
E	Installations Accessories to complete the system	1	Item	2,000,000	2,000,000.00
<b>TO COLLECTION</b>				<b>TZS</b>	<b>3,975,000.00</b>

Page No. 4/11/1					22,724,000.00
Page No. 4/11/2					8,704,500.00
Page No. 4/11/3					23,507,800.00
Page No. 4/11/4					15,000,000.00
Page No. 4/11/5					3,975,000.00
<b>ELECTRICAL INSTALLATIONS CARRIED TO SUMMARY OF BILL No. 4</b>				<b>TZS</b>	<b>73,911,300</b>

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b>ELEMENT No. 12: HVAC INSTALLATIONS</b>				
	<b>GROUND FLOOR</b>				
	<b>Ceiling Cassette types</b>				
	<b>Air Conditioners with ceiling cassette Indoor/ Fan Coil Unit: Supply, install, test and commission Inverter Type Air conditioner of LG Brand or Approved Equivalent. Each Set shall be complete with outdoor air-cooled condensing unit, indoor ceiling cassette fan coil unit and wireless remote controller. Type of refrigerant should be R410A/ R407C .</b>				
A	Cooling capacity 7.1 Kw	0	nr	3,300,000	
B	Cooling capacity 5.2 Kw	0	nr	2,700,000	
	<b>Wall mounted cooling Unit:</b>				
	<b>Wall mounted type indoor unit conditioner of Inverter type LG Brand or Approved Equivalent. Each Set shall be complete with wired controller/ wireless remote controller Type of refrigerant should be R410A/ R407C</b>				
C	Cooling capacity:3.6kW	0	nr	1,375,000.00	
D	Cooling capacity:5.2kW	0	nr	1,875,000.00	
E	Cooling capacity 7.1 Kw	0	nr	2,300,000.00	
	<b>Refrigerant Pipes and Fittings to BS 2871</b>				
	<b>Supply and install refrigerant copper pipes complete with associated fittings, insulation as recommend by manufacturer. Supports inclusive.</b>				
F	Diameter 6.4mm	0	m	11,000.00	
G	Diameter 9.52mm	0	m	16,500.00	
H	Diameter 12.7mm	0	m	27,500.00	
J	Diameter 15.88mm	0	m	33,000.00	
	<b>Condensate Drainage Pipes(PVC)</b>				
	<b>Supply and install condensate drainage PVC pipes complete with associated fittings i.e. tees, elbows reducers etc so as to make the system work perfectly.</b>				
K	25mm diameter PVC pipe	0	m	15,000.00	
L	32mm diameter PVC pipe	0	m	20,000.00	
M	Armaflex (insulation)-1.8 per piece				
N	6.4mm dia	0	pcs	4,500.00	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
P	12.7mm dia	0	pcs	9,500.00	
<b>TO COLLECTION</b>				<b>TZS</b>	-
Page No. 4/12/1					
A	9.52mm dia	0	pcs	7,500.00	
B	15.88mm dia	0	pcs	10,500.00	
C	Mounted bracket	0	Set	350,000.00	
D	AVS Surge protector	0	nr	30,000.00	
<b>Wiring</b>					
E	Supply and install flexible cable of 3core x 2.5mm sqr control and power cables between units and DP switch located near the door position.	0	m	18,500.00	
F	Supply and install flexible cable of 3core x 2.5mm sqr control and power cables between indoor and outdoor units position.	0	m	18,500.00	
<b>FIRST FLOOR</b>					
<b>Ceiling Cassette types</b>					
<b>Air Conditioners with ceiling cassette Indoor/ Fan Coil Unit: Supply, install, test and commission Inverter Type Air conditioner of LG Brand or Approved Equivalent. Each Set shall be complete with outdoor air-cooled condensing unit, indoor ceiling cassette fan coil unit and wireless remote controller. Type of refrigerant should be R410A/ R407C .</b>					
G	Cooling capacity 7.1 Kw	0	nr	3,300,000	
H	Cooling capacity 5.2 Kw	0	nr	2,700,000	
<b>Wall mounted cooling Unit:</b>					
Wall mounted type indoor unit conditioner of Inverter type LG Brand or Approved Equivalent. Each Set shall be complete with wired controller/ wireless remote controller Type of refrigerant should be R410A/ R407C					
J	Cooling capacity:5.2kW	0	nr	1,875,000.00	
<b>Refrigerant Pipes and Fittings to BS 2871</b>					
Supply and install refrigerant copper pipes complete with associated fittings, insulation as recommend by manufacturer. Supports inclusive.					
K	Diameter 6.4mm	0	m	11,000.00	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
L	Diameter 9.52mm	0	m	16,500.00	
M	Diameter 12.7mm	0	m	27,500.00	
N	Diameter 15.88mm	0	m	33,000.00	
<b>TO COLLECTION</b>				<b>TZS</b>	-
Page No. 4/12/2					
<b>Condensate Drainage Pipes(PVC)</b>					
Supply and install condensate drainage PVC pipes complete with associated fittings i.e. tees, elbows reducers etc so as to make the system work perfectly.					
A	25mm diameter PVC pipe	0	m	15,000.00	
B	32mm diameter PVC pipe	0	m	20,000.00	
Armaflex (insulation)-1.8 per piece					
C	6.4mm dia	0	pcs	4,500.00	
D	12.7mm dia	0	pcs	9,500.00	
E	9.52mm dia	0	pcs	7,500.00	
F	15.88mm dia	0	pcs	10,500.00	
G	Mounted bracket	0	Set	350,000.00	
H	AVS Surge protector	0	nr	30,000.00	
<b>Roof Ventilator</b>					
J	Supply, install, test and commissioning Stainless Steel made, size of 650mm air driven fan Rooftop wind turbine exhaust fan), Double Ball Bearing;. complete and mounting accessories .	17	nr	2,100,000.00	35,700,000.00
Air Volume; Range of 2100m <sup>3</sup> /hr to 7100m <sup>3</sup> /hr					
Speed :580-1450Rev/min					
Wiring					
K	Supply and install flexible cable of 3core x 2.5mm sqr control and power cables between units and DP switch located near the door position.	0	m	18,500.00	
L	Supply and install flexible cable of 3core x 2.5mm sqr control and power cables between indoor and outdoor units position.	0	m	18,500.00	
<b>PRELIMINARY COST</b>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
M	Allow for preparation of 'As built Drawings' (A3 paper, soft & hard copies)	0	sets	300,000.00	
N	Allow for producing operational and maintenance manuals for all installed equipment's as specified	0	sets	200,000.00	
P	Allow for maintenance and services during defect liability of one year (after every 4 months)	0	item	4,000,000.00	
Q	Allow for mobilization to the site	0	Item	2,000,000.00	
R	Allow for demobilization to the site	0	Item	2,000,000.00	
S	Allow for labeling air condition units after installations	0	Item	200,000.00	
<b>TO COLLECTION</b>				<b>TZS</b>	<b>35,700,000.00</b>

COLLECTION					
	Page No. 4/12/1				-
	Page No. 4/12/3				-
	Page No. 4/12/3				35,700,000.00
<b>AIRCONDITIONING INSTALLATIONS CARRIED TO SUMMARY OF BILL No. 4</b>				<b>TZS</b>	<b>35,700,000.00</b>



ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<b>ELEMENT No. 13: PLUMBING INSTALLATIONS</b>				
	<b>WATER SUPPLY</b>				
	<b>EXTERNAL/ CORE SERVICES</b>				
A	Supply and install 50mm diameter HDPE pipe, complete with fittings and supporting brackets for transferring water from public water supply to Underground Concrete Tank .	84	m	21,000	1,764,000.00
B	Supply and install 50mm diameter gate valves to support the above installations	3	nr	14,000	42,000.00
C	Supply and install 50mm diameter non-return valves to support the above installations	2	nr	15,000	30,000.00
D	Supply and install 50mm diameter HDPE pipe, complete with fittings and supporting brackets for transferring water to roof water tank	36	m	24,000	864,000.00
E	Supply and install 50mm diameter gate valves to support the above installations	4	nr	16,500	66,000.00
F	Supply and install 50mm diameter non-return valves to support the above installations	2	nr	15,000	30,000.00
	<b>Booster Water Pumps</b>				
G	Pressure boosting set shall consist of two identical vertical multistage stainless steel pumps connected in parallel and mounted on a common base stainless steel pumps connected in parallel and mounted on a common base frame, with a control cabinet with integrated controller and provided with all the necessary fittings. Manufactured, Assembled and tested by the Manufacturer. The booster set will be fitted with an on/off switch for the supply voltage	1	set	25,000,000	25,000,000.00
H	necessary fittings, Manufactured, Assembled and tested by the Manufacturer. The booster set will be fitted with an on/off switch for the supply voltage  1Each pump delivers 5.8M3/hr at 37.8M head. Vertical Multage Booster set option  Hydro Multi-S with 2CR 5-8 pumps1 x 220-240/ 50Hz 2X1.1kW  Pipe Connection 2" NPSH=4.8M, Maximum Operating Pressure 10bar, efficiency 73%  To ensure stable operation, the booster set must be fitted with a suitable diaphragm tank. Pumps shall be driven by high efficiency IE3 or higher efficiency motors. Pumps shall be driven by high efficiency IE3 or higher efficiency motors. Set shall be as Grundfos Hydro Multi-S with Blueflux motors or approved equivalent				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	TO COLLECTION				27,796,000.00

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	<b>Control Panel Functions</b>				
A	The control panel shall offer the following functions: Automatic cascade control of pumps by means of pressure switches, Automatic pump changeover at any start/stop cycle. If a pump is in fault status, it shall be automatically taken out of operation, Automatic resetting of dry-running fault, Manual resetting of overload trip, Manual resetting of overload trip & Emergency operation				
B	Panel shall also have buttons for selection of automatic, stop and manual operation, pump running LED, LED red light for dry running(no water indication), fault indicator for 1 phase pumps and LED indicating power is ON. Pump and system protection shall incorporate				
C	Short-circuit protection by means of fuses, motor protection by means of a thermal overload relay, dry-running protection by means of an additional pressure switch or level switch, dry-running protection by means of an additional pressure switch or level switch, start-up delay between two pumps: prevents simultaneous start-up of more than one pump, phase failure protection relay.				
	50 Litres pressure vessel	1	Set	1,350,000	1,350,000.00
	Contractor shall install Float switch with cable for dry run protection	1	Set	380,000	380,000.00
	Contractor shall install appropriately sized isolation valve after the common manifold for pressure testing and isolation of the entire booster set.	1	Set	18,500	18,500.00
D	Contractor shall install Float switch with cable for dry run protection	1	Set	118,500	118,500.00
E	Contractor shall install appropriately sized isolation valve after the common manifold for pressure testing and isolation of the entire booster set.	1	Set	2,250,000	2,250,000.00
	<b>Storage water tank</b>				
F	Supply and install water storage tank including necessary valve, flange, mercury control floating switch of the following capacity:				
G	Allow for construction of the towered tank at 10m high from ground floor for both printing press and workshop uses with capacity of 10m <sup>3</sup>	0	nr	25,000,000	
H	Allow for construction of concrete Under ground tank 60,000litres with inlet and outlet piping, ladder, vent pipe as per structural engineer details. For water storage and fire reserve storage	0	Item	110,000,000	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
J	supply and install valves, flanges, pressure ball valve and all necessary fittings for underground water tank	0	Item	2,165,000	-
<b>TO COLLECTION</b>				<b>TZS</b>	<b>4,117,000.00</b>

A	Allow for connection from public water supply main pipe to underground water storage tanks, including supply pipe, water meter, valves and other associated fittings.	0	Item	5,275,000	-
B	Allow for testing and commissioning of the entire Installation	1	Item	2,330,000	2,330,000.00
C	Allow for maintenance and services during defect liability of one year (after every 4 months)	1	Item	15,000,000	15,000,000.00
D	Allow preparation of three copies of " A3 as built Drawings" and operating manuals for all equipment's as specified	1	Item	2,000,000	2,000,000.00
<b>GROUND FLOOR</b>					
<b>COLD WATER PIPING</b>					
Supply, install, test and commission PPR pipe (DiZAYN GROUP) and tubing class "6" to BS 4554 ,connectors, union, reducers, Tangit, screwing tape with screwed and socketed joints to BS 143 and 126 of approved manufacture. with all necessary accessories.					
<b>PIPES</b>					
E	20mm diameter	72	m	8,500	612,000.00
F	25mm diameter	54	m	10,500	567,000.00
G	32mm diameter	66	72	13,500	891,000.00
H	40mm diameter	28	72	15,500	434,000.00
J	90° Elbow 25mm	22	nr	7,500	165,000.00
K	20mm	24	nr	6,500	156,000.00
L	32mm	16	nr	9,800	156,800.00
M	40mm	4	nr	11,000	44,000.00
N	Tee 25mm	8	nr	7,500	60,000.00
P	20mm	16	nr	6,500	104,000.00
Q	32mm	16	nr	9,800	156,800.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
R	40mm Female elbow & female Tee	4	nr	11,000	44,000.00
S	25mm	12	nr	7,500	90,000.00
T	20mm	18	nr	6,500	117,000.00
U	32mm	4	nr	9,800	39,200.00
V	40mm	4	nr	11,000	44,000.00
<b>TO COLLECTION</b>				<b>TZS</b>	<b>23,010,800.00</b>

	<b>Reducer</b>				
A	32/25	4	nr	8,500	34,000.00
B	25/ 20	12	nr	6,500	78,000.00
C	40/32	4	nr	9,500	38,000.00
	Gate Valve; B.S. 1010; Part 2: wheel head; polished by manufacturer; joints to pipe; both ends screwed male iron				
D	40mm	2	nr	7,500	15,000.00
E	32mm	2	nr	6,000	12,000.00
F	25mm	8	nr	5,500	44,000.00
G	20mm	24	nr	5,000	120,000.00
H	Supply and install 15mm diameter flexible pipe connectors to wash hand basin (WHB), water closet (WCs), etc.	24	nr	18,500	444,000.00
J	Allow for Supply and install extra pipe fittings and accessories for the above water supply piping	1	Item	400,000	400,000.00
	<b>FIRST FLOOR COLD WATER PIPING</b>				
	Supply, install, test and commission PPR pipe (DiZAYN GROUP) and tubing class "6" to BS 4554 ,connectors, union, reducers, Tangit, screwing tape with screwed and socketed joints to BS 143 and 126 of approved manufacture. with all necessary accessories.				
	<b>PIPES</b>				
K	20mm diameter	50	m	8,500	425,000.00
L	25mm diameter	48	m	10,500	504,000.00
M	32mm diameter	18	72	13,500	243,000.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
N	40mm diameter 90° Elbow	44	72	15,500	682,000.00
P	25mm	8	nr	7,500	60,000.00
Q	20mm	6	nr	6,500	39,000.00
R	32mm	4	nr	9,800	39,200.00
S	40mm Tee	2	nr	11,000	22,000.00
T	25mm	4	nr	7,500	30,000.00
U	20mm	18	nr	6,500	117,000.00
<b>TO COLLECTION</b>				<b>TZS</b>	<b>3,346,200.00</b>

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A	32mm	2	nr	9,800	19,600.00
B	40mm Female elbow & female Tee	2	nr	11,000	22,000.00
C	25mm	8	nr	7,500	60,000.00
D	20mm	18	nr	6,500	117,000.00
E	32mm	6	nr	9,800	58,800.00
F	40mm Reducer	2	nr	11,000	22,000.00
G	32/25	4	nr	8,500	34,000.00
H	25/ 20	6	nr	6,500	39,000.00
J	40/32 Gate Valve; B.S. 1010; Part 2: wheel head; polished by manufacturer; joints to pipe; both ends screwed male iron	2	nr	9,500	19,000.00
K	40mm	2	nr	7,500	15,000.00
L	32mm	3	nr	6,000	18,000.00
M	25mm	6	nr	5,500	33,000.00
N	20mm	12	nr	5,000	60,000.00
P	Supply and install 15mm diameter flexible pipe connectors to wash hand basin (WHB), water closet (WCs), etc.	12	nr	18,500	222,000.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
Q	Allow for Supply and install extra pipe fittings and accessories for the above water supply piping	1	Item	400,000	400,000.00
<b>WASTE WATER AND DRAINAGE SYSTEM</b>					
<b>WASTE WATER</b>					
<b>External pipe work</b>					
R	Supply and install 150mm uPVC pipe class "B" according to BS 8301 - 1985 complete with associated fittings	56	m	15,500	868,000.00
S	Allow for Construction of foul/waste water manholes of internal dimension 600x600mm with invert level not exceeding 1000mm comprising 200mm plain concrete grade "C" bed 230mm block wall plastered internally as per specification and drawings including heavy duty cast iron cover to match with external paving.	6	nr	450,000	2,700,000.00
T	Allow for Construction of 300X300mm standard gully trap as per specification and drawings including heavy duty cast iron cover to match with external paving.	5	nr	218,500	1,092,500.00
U	Excavate trench not exceeding 1000 mm deep and average 500mm wide for laying sewerage pipe to the sewer line not exceeding 200mm diameter including backfilling	56	m	8,000	448,000.00
<b>TO COLLECTION</b>				<b>TZS</b>	<b>6,247,900.00</b>

A	Supply and install Galvanized steel wire balloon set on top of vent pipe and covered with mosquito gauze, 100mm diameter	6	nr	35,500	213,000.00
B	Allow for construction of septic tank tank of (L*W*D)(5.2*2.8*3.5)m	0	nr	9,000,000	-
C	Allow for construction of Soak away pit 5.0m diameter and 3.5m depth	0	nr	9,000,000	-
D	Allow for construction of septic tank tank of (L*W*D)(2.8*1.8*2.8)m for washing Drum waste water discharge collection	1	item	9,000,000	9,000,000.00
E	Allow for construction of Soak away pit 2.0m diameter and 2.8m depth for washing Drum waste water discharge collection	1	item	9,000,000	9,000,000.00
<b>Storm water (pipe work)</b>					
<b>Rain water pipework installation as per specification and drawings.Note: Rainwater pipe should be uPVC white colour</b>					
<b>RAIN WATER SYSTEM</b>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
F	Supply, install, test and commission 100mm diameter uPVC down pipe, complete with fittings and fixtures (Vertical pipework)	167	m	15,500	2,582,300.00
G	Supply, install, test and commission 500x150mm Galvanized sheet gutter complete with fittings and clamps.	8	m	250,000	2,000,000.00
<b>GROUND FLOOR</b>					
<b>Soil and vent pipe work</b>					
Supply and install all above ground/exposed of class "B" to BS 8301 - 1985 uPVC pipe complete with associated fitting including chasing walls, pipe supports and necessary decoration for exposed pipe work pipes: pipes; fixing with holders to backgrounds requiring plugging WITH ALL NECESSARY FITTINGS					
H	100mm diameter, uPVC pipe	54	m	14,500	783,000.00
J	75mm diameter ,upvc pipe	42	m	10,400	436,800.00
K	50mm diameter, Upvc pipe	70	m	8,500	595,000.00
L	40mm diameter, Upvc pipe	24	m	6,500	156,000.00
<b>ELBOWS,90</b>					
M	100mm diameter, UPVC	8	nr	15,000	120,000.00
N	75mm diameter ,upvc pipe	6	nr	13,500	81,000.00
P	50mm diameter, uPVC	10	nr	10,000	100,000.00
<b>TO COLLECTION</b>				<b>TZS</b>	<b>25,067,100.00</b>

<b>ELBOWS 45</b>					
A	100mm diameter, UPVC	4	nr	15,500	62,000.00
B	50mm diameter,Upvc	6	nr	13,500	81,000.00
C	40mm diameter,uPVC	4	nr	10,400	41,600.00
<b>TEE-WYE</b>					
D	100mm diameter,Upvc	6	nr	15,500	93,000.00
E	50mm diameter,Upvc	10	nr	13,500	135,000.00
<b>DOUBLE WYE</b>					
F	100mm diameter,Upvc	6	nr	13,500	81,000.00
<b>PIPE CLAMPS</b>					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
G	100mm size	27	nr	9,000	243,000.00
H	75mm size	21	nr	8,500	178,500.00
J	50mm size	35	nr	6,000	210,000.00
<b>ELBOW WITH CLEANOUT</b>					
K	100 mm diameter	6	nr	20,000	120,000.00
L	75 mm diameter	9	nr	17,500	157,500.00
M	50 mm diameter	6	nr	16,500	99,000.00
N	PVC Cement glue 1000g	4	nr	15,000	60,000.00
P	Supply, install, test and commission Floor drain, 50mm diameter outlet, uPVC	4	nr	150,000	600,000.00
<b>FIRST FLOOR</b>					
Supply and install all above ground/exposed of class "B" to BS 8301 - 1985 uPVC pipe complete with associated fitting including chasing walls, pipe supports and necessary decoration for exposed pipe work pipes: pipes;fixing with holders to backgrounds requiring plugging WITH ALL NECESSARY FITTINGS					
Q	100mm diameter, uPVC pipe	24	m	14,500	348,000.00
R	75mm diameter ,upvc pipe	16	m	10,400	166,400.00
S	50mm diameter, Upvc pipe	36	m	8,500	306,000.00
T	40mm diameter, Upvc pipe	8	m	6,500	52,000.00
<b>ELBOWS,90</b>					
U	100mm diameter, UPVC	4	nr	15,000	60,000.00
V	75mm diameter ,upvc pipe	2	nr	13,500	27,000.00
W	50mm diameter, uPVC	6	nr	10,000	60,000.00
<b>TO COLLECTION</b>				<b>TZS</b>	<b>3,181,000.00</b>

<b>ELBOWS 45</b>					
A	100mm diameter, UPVC	2	nr	15,500	31,000.00
B	50mm diameter,Upvc	4	nr	13,500	54,000.00
C	40mm diameter,uPVC	2	nr	10,400	20,800.00
<b>TEE-WYE</b>					
D	100mm diameter,Upvc	2	nr	15,500	31,000.00
E	50mm diameter,Upvc	4	nr	13,500	54,000.00
<b>DOUBLE WYE</b>					



ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
F	100mm diameter,Upvc	2	nr	13,500	27,000.00
	<b>PIPE CLAMPS</b>				
G	100mm size	12	nr	9,000	108,000.00
H	75mm size	8	nr	8,500	68,000.00
J	50mm size	18	nr	6,000	108,000.00
	<b>ELBOW WITH CLEANOUT</b>				
K	100 mm diameter	12	nr	20,000	240,000.00
L	75 mm diameter	12	nr	17,500	210,000.00
M	50 mm diameter	15	nr	16,500	247,500.00
N	PVC Cement glue 1000g	2	nr	15,000	30,000.00
P	Supply, install, test and commission Floor drain, 50mm diameter outlet, uPVC	2	nr	150,000	300,000.00
	<b>SANITARY APPLIANCES</b>				
	<b>GROUND FLOOR</b>				
R	Supply, install, test and commission European type WC;as to RAK, IDEAL STANDARD,ARROW; or equal approved Close coupled floor standing with complete combination wash down outlet, dual flush cistern fittings 2.5litres or less for half flush and 3.5litres or less for full flush, seat and cover and all accessories. "P" or "S" trap pans; bedding outlets in mastic; fixing with brass screws to backgrounds requiring plugging.	2	nr	650,000	1,300,000.00
<b>TO COLLECTION</b>				<b>TZS</b>	<b>2,829,300.00</b>

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	Supply, install, test and commission Asian type WC, as to RAK, IDEAL STANDARD, ARROW or equal approved, complete combination wash down outlet, side inlet or bottom inlet fill valve, single or dual push button flush cistern 2.5litres or less for half flush and 3.5litres or less for full flush, and all accessories. "P" or "S" trap pan; bedding outlets in mastic; fixing with brass screws to backgrounds requiring plugging.	3	nr	350,000	1,050,000.00
B	Supply, install, test and commission White vitreous china Hand wash basin as to RAK, IDEAL STANDARD, ARROW or equal approved ; under counter type- 480mm diameter; complete with tap mixer capable to discharge water at a flow rate of 2litres/min. or less. Fixing with screws to backgrounds requiring plugging	6	nr	400,000	2,400,000.00
C	Supply, install, test and commission urinal bowl in white vitreous china, of RAK, IDEAL STANDARD, ARROW or equal approved complete with top inlet press flushing valve - flow rate 0.5 litres/min. per flush, urinal partition as per drawing and associated accessories, fixing with brass screws to backgrounds plugging	4	nr	500,000	2,000,000.00
D	Supply and install single bowl Stainless steel wash sink ; 1200 x 600mm; complete with Stainless steel sink mixer with discharge flow rate of 4litres/min. complete with connecting accessories, fixing with screws to backgrounds requiring plugging	1	nr	1,450,000	1,450,000.00
E	Supply and fix Shataff; ABS chrome with supreme Hose and wall holder as to RAK, IDEAL STANDARD, ARROW or equal approved fixing with brass screws to backgrounds plugging	5	nr	58,500	292,500.00
F	Supply and fix Soap dispenser-Push button; Wall mounted Capacity:0.8L materials; Finish:White/Smoke, fixing with brass screws to backgrounds plugging	4	nr	400,000	1,600,000.00
G	Mirrors; overall size 600 x 450mm high, fixed to wall with CP screw and caps	6	nr	230,000	1,380,000.00
H	Toilet paper holder; chrome fixing with brass screws to backgrounds plugging	5	nr	100,000	500,000.00
J	Supply, install and test Bib Cork to RAK, IDEAL STANDARD, ARROW, or approved equal, single lever basin mixer with popup Waste & 375mm long braided hoses and accessories or equal approved	6	nr	58,500	351,000.00
K	Supply and install Angle valve with triangular handle and flange	21	nr	20,400	428,400.00
L	Supply, install, test and commission hand dryer mediclinic brand or approved equivalent.	2	nr	1,000,000	

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<b>TO COLLECTION</b>				<b>TZS</b>	<b>11,451,900.00</b>

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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
<b>FIRST FLOOR</b>					
A	Supply, install, test and commission European type WC;as to RAK, IDEAL STANDARD,ARROW; or equal approved Close coupled floor standing with complete combination wash down outlet, dual flush cistern fittings 2.5litres or less for half flush and 3.5litres or less for full flush, seat and cover and all accessories. "P" or "S" trap pans; bedding outlets in mastic; fixing with brass screws to backgrounds requiring plugging.	2	nr	650,000	1,300,000.00
B	Supply, install, test and commission White vitreous china Hand wash basin as to RAK, IDEAL STANDARD,ARROW or equal approved ; under counter type- 480mm diameter; complete with tap mixer capable to discharge water at a flow rate of 2litres/min. or less. Fixing with screws to backgrounds requiring plugging	4	nr	400,000	1,600,000.00
C	Supply, install, test and commission urinal bowl in white vitreous china, of RAK, IDEAL STANDARD,ARROW or equal approved complete with top inlet press flushing valve - flow rate 0.5 litres/min. per flush, urinal partition as per drawing and associated accessories, fixing with brass screws to backgrounds plugging	2	nr	500,000	1,000,000.00
D	Supply and install single bowl Stainless steel wash sink ; 1200 x 600mm; complete with Stainless steel sink mixer with discharge flow rate of 4litres/min. complete with connecting accessories, fixing with screws to backgrounds requiring plugging	1	nr	1,450,000	1,450,000.00
E	Supply and fix Shataff;ABS chrome with supreme Hose and wall holder as to RAK, IDEAL STANDARD,ARROW or equal approved fixing with brass screws to backgrounds plugging	2	nr	58,500	117,000.00
F	Supply and fix Soap dispenser-Push button;Wall mounted Capacity:0.8L materials; Finish:White/Smoke, fixing with brass screws to backgrounds plugging	4	nr	400,000	1,600,000.00
G	Mirrors; overall size 600 x 450mm high, fixed to wall with CP screw and caps	4	nr	230,000	920,000.00
H	Toilet paper holder;chrome fixing with brass screws to backgrounds plugging	2	nr	100,000	200,000.00
J	Supply, install and test Bib Cork to RAK, IDEAL STANDARD,ARROW, or approved equal.;single lever basin mixer with popup Waste & 375mm long braided hoses and accessories or equal approved	4	nr	58,500	234,000.00

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
K	Supply and install Angle valve with tringular handle and flange	11	nr	20,400	224,400.00
L	Supply,install , test and commision hand dryer mediclinic brand or approved equivalent.	2	nr	1,000,000	
<b>TO COLLECTION</b>				<b>TZS</b>	<b>8,645,400.00</b>

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COLLECTION					
	Page No. 4/13/1			27,796,000.00	
	Page No. 4/13/2			4,117,000.00	
	Page No. 4/13/3			23,010,800.00	
	Page No. 4/13/4			3,346,200.00	
	Page No. 4/13/5			6,247,900.00	
	Page No. 4/13/6			25,067,100.00	
	Page No. 4/13/7			3,181,000.00	
	Page No. 4/13/8			2,829,300.00	
	Page No. 4/13/9			11,451,900.00	
	Page No. 4/13/10			8,645,400.00	
<b>PLUMBING INSTALLATIONS CARRIED TO SUMMARY OF BILL No. 4</b>				<b>TZS</b>	<b>115,692,600.00</b>

Page No. 2/13/18

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (TZS)
	<b>ELEMENT No.14; FIRE FIGHTING INSTALLATION</b>				
	<b>PRELIMINARIES</b>				
	The Contractor should visit site before pricing.				
	The Contractor should read all drawings and specifications provided in conjunction with all relevant architectural and structural drawings.				
	The Contractor will require to submit the proof of the catalogue technical specifications that will match with manufacturer equipments.				
	Where trade names of manufacturer's catalogue numbers are mentioned in the Specification, the reference is intended as a guide to the type of article or materials required. Alternate brands of quality or equal and approved quality will be acceptable.				
A	Allow for preparation of 'As built Drawings' (A3 paper, soft & hard copies)	3	sets	300,000	900,000.00
B	Allow for producing operational and maintenance manuals	3	sets	200,000	600,000.00
C	Allow for maintenance and services during defect liability of one year (after every 4 months)	0	item	4,000,000	-
D	Allow for mobilization to the site	0	Item	1,000,000	-
E	Allow for demobilization to the site	0	Item	1,000,000	-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (TZS)
	TO COLLECTION			TZS	1,500,000.00

	<p><b>GROUND FLOOR PLAN</b></p> <p><b>HOSE REEL SYSTEM INSTALLATION</b></p> <p><b>FIRE PUMP</b></p> <p>A Supply, install and commission firepump set comprising of electric duty pump, diesel engine driven standby pump and jockey for pressure sustainance. The automatic operation pumping set shall be in accordance with European Norm EN 12845 covering automatic fire systems, and UNI 10779 covering hydrant networks. The equipment shall be as Grundfos or approved equivalent and will be Hydro EN32-200/200 YJS ADL-U3-A 50 Hz and comprise of:</p> <p>1 No. Electric driven duty pump as NKF single-stage, end-suction, Automatic start/manual stop centrifugal pump set with a flow rate of 10m<sup>3</sup>/h against 5 bars head and a power supply of 7.5Kw, 415V, 50Hz.</p> <p>1 No. automatic diesel driven engine standby fire pump set with a flow rate of similar capacity to the duty pump and 11.2kw</p> <p>All pumps shall be of back pull out design with space coupling allowing for removal of hydraulic parts without having to remove motor or pipe connections. All pumps shall be PN 16 rated with stable curves per EN12845, The engine shall be capable of delivering 10% more power than required by the pump at any of the performance values within the recommended fields of use, and have a twin-belt drive of the cooling fan and/or pump to guarantee smooth operation even if one should fail</p> <p><u>The diesel tank shall be sized to ensure at least 6 hours of continuous operation and be equiped with containment basin and vent connection in accordance with UNI 11292 standard for fireset compartments</u></p> <p>The engine pump will also be equiped with an industrial silencer</p> <p>1 No. Jockey pump as Grundfos CM 1-8 multistage, electrically powered pump with a flow rate of 0.658l/s against 3.5 bars and a power supply of 0.65 kW, 400V 50Hz. The jockey pump automatically maintains pressure in the system in case of leaks and prevents the duty pumps from starting up when not required. Jockey pump flow shall be limited to ensure it is not able to service one sprinkler if open.</p>	Set	0	54,000,000	-
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ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (TZS)
	<b>TO COLLECTION</b>			<b>TZS</b>	-

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	<p>To ensure correct operation of the jockey pump, the unit will be equipped with a 24-litre, PN-16 diaphragm tank. There shall be one separate control panel for each pump. In order to prevent damage caused by overheating due to possible operation against closed isolating valve, the pumps shall be equipped with connection for a bypass. Separate suction lines to each pump may be required to avoid drawing air into standby pump in case of gland packing/seal failure on main pump.</p> <p><b>Control Panels:</b></p> <p>The electrically powered duty pump and the jockey pump will be controlled via separate control panels allowing easy reading of gauges and signals from their front doors. The starting method for motor will be Star-Delta to avoid line overload, stress on rotating parts and wear of system components. Control panel shall be complete with mains isolator; pumps overload protection; power on, pump run and trip indicator lights; ammeter; Voltmeter, relays pressure gauge; phase failure relay with over and under voltage protection, cyclic pump controller float switch for low water level cut-out, pressure switches easily adjustable for differential operating pressures and sequential operation. The control panel of the diesel powered duty pump will also house two battery chargers (one for each 12 V battery), with indicators for operation of battery charger. Panel will allow for 6 alternating start attempts on the engine in case of failed battery.</p> <p>The unit will also be fitted with a remote alarm device for indication of power failure, phase failure, start-up of duty pumps.</p>				
A	The device will be complete with audible and visual alarm signals, and equipped with a 30 hour buffer battery (according to UNI 9490) and installed in a manned area.	Item	0	23,800,000	-
B	To allow for required regular testing of fire pump, the set shall be supplied with a flow meter and required piping to return water to the source tank.	Item	0	1,850,000	-
	Supply install, test and commission in good working condition hose reel pipes and fittings in galvanized heavy grade material to BS 1387 and BS 1256: Pipes and fittings in running length fixed to backgrounds requiring plugging.				-
C	50mm diameter, GI pipe	0	m	35,000	-
D	25mm diameter, GI pipe	0	m	28,000	-
	<b>Elbow</b>				
E	25mm diameter	0	nr	18,000	-
	<b>Tee</b>				
F	50 x 25mm	0	nr	22,000	-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (TZS)
					-
G	Union GI 50mm	0	nr	22,000	-
H	25mm	0	nr	24,000	-
	<b>TO COLLECTION</b>			<b>TZS</b>	-

A	Gate valve 25mm diameter		nr	23,000	
B	Supply, install, test and commission Fire Hose Reel as NAFFCO brand or equal approved, complete with standard cabinet for hose reel and two portable extinguishers, Hose diameter 25mm diameter, hose length 30m.	0	nr	2,400,000	
	<b>PORTABLE FIRE EXTINGUISHER</b>				
C	Supply, install, test and commission Fire extinguisher bottles ,by NAFFCO or equal approved of Dry powder (ABC), 6kg mounted on wall	4	nr	250,000	1,000,000.00
D	Supply, install, test and commission Fire extinguisher bottles, by NAFFCO or equal approved of Carbon dioxide (Co <sub>2</sub> ), 5kg mounted on wall	4	nr	250,000	1,000,000.00
P	Supply and install Automatic Clean agent fire extinguisher model NHFC-6 MATIC gross weight 11kg (Extinguisher capacity 6kg), working pressure 15Bar, for Computer, Switchgears, server rooms and Sensitive data storage, coverage of 10m2 (Effective when mounted at height 3m from floor) for Vertical configurations, complete all necessaries fittings. The units charged with Clean agent (HFC-236fa) and are fitted with a detection sprinkler head that is rated at 68°C. Capable of extinguisher fire type A,B,C and Electrical fires.	-	nr	10,275,000	-
	<b>FIRST FLOOR</b>				
	<b>HOSE REELS</b>				
	Piping				
	Supply install, test and commission in good working condition hose reel pipes and fittings in galvanized heavy grade material to BS 1387 and BS 1256: Pipes and fittings in running length fixed to backgrounds requiring plugging.				
E	50mm diameter,GI pipe	0	m	35,000	-
F	25mm diameter,GI pipe	0	m	28,000	-
	<b>Elbow</b>				
G	25mm diameter	0	nr	18,000	-
	<b>Tee</b>				
H	50 x 25mm	0	nr	22,000	-
J	Union GI	0			
G	50mm		nr	24,000	-
H	25mm		nr	23,000	-



ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT (TZS)
K	Gate valve 25mm diameter	0	nr	24,000	-
L	Supply, install, test and commission Fire Hose Reel as NAFFCO brand or equal approved, complete with standard cabinet for hose reel and two portable extinguishers, Hose diameter 25mm diameter, hose length 30m.	0	nr	2,400,000	-
<b>TO COLLECTION</b>				<b>TZS</b>	<b>2,000,000.00</b>

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<b>PORTABLE FIRE EXTINGUISHER</b>					
A	Supply, install, test and commission Fire extinguisher bottles ,by NAFFCO or equal approved of Dry powder (ABC), 6kg mounted on wall	3	nr	250,000	750,000.00
B	Supply, install, test and commission Fire extinguisher bottles, by NAFFCO or equal approved of Carbon dioxide (Co <sub>2</sub> ), 5kg mounted on wall	3	nr	250,000	750,000.00
C	Supply and install Automatic Clean agent fire extinguisher model NHFC-6 MATIC gross weight 11kg (Extinguisher capacity 6kg), working pressure 15Bar, for Computer, Switchgears, server rooms and Sensitive data storage, coverage of 10m2 (Effective when mounted at height 3m from floor) for Vertical configurations, complete all necessities fittings. The units charged with Clean agent (HFC-236fa) and are fitted with a detection sprinkler head that is rated at 68°C. Capable of extinguisher fire type A,B,C and Electrical fires.	-	nr	10,275,000	-
<b>TO COLLECTION</b>					<b>1,500,000.00</b>
<b>COLLECTION</b>					
Page No. 4/14/1					1,500,000.00
Page No. 4/14/2					-
Page No. 4/14/3					-
Page No. 4/14/4					2,000,000.00
Page No. 4/14/5					1,500,000.00
<b>FIRE INSTALLATIONS CARRIED TO SUMMARY OF BILL No. 4</b>					<b>5,000,000.00</b>

		Summary	
ITEM	DESCRIPTION	CONTRACTOR AMOUNT (TZS)	% age NEGOTIATED FINAL AMOUNT
	<b>SUMMARY</b>		
	<b>Bill Nr. 4:Printing Press Block</b>		
	Element No. 1: Substructure	490,020,818	100% 490,020,818.18
	Element No. 2: Frame	241,861,220	100% 241,861,220
	Element No. 3: Stairs	7,759,200	100% 7,759,200
	Element No. 4: Walling	149,022,818	100% 149,022,818
	Element No. 5: Roofing	192,062,225	100% 192,062,225
	Element No. 6: Doors	62,904,230	60% 37,742,538
	Element No. 7: Windows	62,416,000	100% 62,416,000
	Element No. 8: Finishings	250,985,046	60% 150,591,028
	Element No. 9: Decorations	80,059,088	70% 55,881,243
	Element No. 10: ICT	68,030,000	20% 13,606,000
	Element No. 11: Electrical installation	147,988,300	50% 73,994,150
	Element No. 12: Airconditioning	115,903,000	25% 35,700,000
	Element No. 13: Plumbing installation	200,325,900	50% 115,692,600
	Element No. 14: Fire fighting installation	136,267,000	20% 5,000,000
	<b>BILL No. 4: CARRIED TO GENERAL SUMMARY</b>	<b>2,205,604,845</b>	<b>1,631,349,840</b>

## Bill Nr.4: Prime cost and Provisional sums

ITEM	DESCRIPTION	QTY	UNIT	RATE (TSHS)	AMOUNT (TSHS)
	<b>BILL NR. 5 - PRIME COST AND PROVISIONAL SUMS</b>				
	<b>PROVISIONAL SUMS; PROVIDE THE FOLLOWING SUMS FOR WORK OR COSTS WHICH CANNOT BE ENTIRELY FORESEEN, DEFINED OR DETAILED</b>				
B	Allow sum for Billboard and LCD display		Sum		3,000,000.00
C	Allow sum for Directional Signages		Sum		1,000,000.00
C	Allow sum for Fittings and Fixtures		Sum		
D	Allow sum for Generator base and shade		Sum		N/A
E	Allow sum for boundary walls and main gate		Sum		N/A
G	Allow sum for necessary cut and fill including disposal of surplus excavated materials		Sum		
K	Allow sum for laboratory materials testing		Sum		5,000,000.00
	<b>PRIME COST SUMS FOR WORKS TO BE DONE BY STATUTORY UNDERTAKERS</b>				
	<b>Electrical main connection HighTension services line and metering including transformer</b>				
V	allowance for works to be executed		Sum		20,000,000.00
W	Profit		%		1,000,000.00
X	General attendance		Item		1,000,000.00
	<b>PRIME COST SUMS FOR WORKS TO BE DONE BY STATUTORY UNDERTAKERS</b>				
	<b>Main sewer connection</b>				
A	allowance for works to be executed		Sum		10,000,000.00
B	Profit		%		1,000,000.00
C	General attendance		Item		1,000,000.00
				<b>TSHS</b>	<b>43,000,000.00</b>

ITEM	DESCRIPTION	QTY	UNIT	RATE (TSHS)	AMOUNT (TSHS)
Page 4/1					
	<b>Main water connection</b>				
D	allowance for works to be executed		Sum		5,000,000.00
E	Profit		%		250,000.00
F	General attendance		Item		250,000.00
	<b>Telephones and Internet Installations</b>				
G	allowance for works to be executed		Sum		
H	Profit		%		1,000,000.00
J	General attendance		Item		
<b>TO COLLECTION</b>					<b>6,500,600.00</b>
	<b>COLLECTION</b>				
	Page 4/1				43,000,000.00
	Page 4/2				6,500,600.00
<b>PRIME COST AND PROVISIONAL SUMS CARRIED TO GENERAL SUMMARY</b>					<b>49,500,000.00</b>
					<b>TSHS</b>