THE UNITED REPUBLIC OF TANZANIA MINISTRY OF HEALTH



CONTRACT AGREEMENT

BETWEEN

EXECUTIVE DIRECTOR, MIREMBE NATIONAL MENTAL HEALTH HOSPITAL



P. O. Box 910 DODOMA, TANZANIA (THE EMPLOYER)

AND

M/S GOPA CONTRACTORS TANZANIA LIMITED
P. O. BOX 33259,
DAR ES SALAAM, TANZANIA
(THE CONTRACTOR)

FOR

PROVISION OF LABOUR, EQUIPMENTS AND PRELIMINARIES WORKS FOR CARRYING OUT WORKS FOR PROPOSED CONSTRUCTION OF EMERGENCY MEDICAL DEPARTMENT (EMD) BUILIDINGS FOR MIREMBE NATIONAL MENTAL HOSPITAL

CONTRACT NO: ME/007/2021-2022/HQ/W/26

JANUARY, 2022

FORM OF AGREEMENT

This AGREEMENT (hereinafter called the contract) is made this .27 m....day of January, 2022

Between

EXECUTIVE DIRECTOR, MIREMBE NATIONAL MENTAL HEALTH HOSPITAL, of P. O. Box 910, DODOMA, TANZANIA (hereinafter called the EMPLOYER) of the one party

And

M/S GOPA CONTRACTORS TANZANIA LIMITED, P.O. BOX 33259, DAR ES SALAAM, TANZANIA (Hereinafter called the CONTRACTOR) of the other party.

WHEREAS

The Executive Director, Mirembe National Mental Health Hospital (Employer) has requested the Contractor to provide Labour, Equipment's and preliminaries woks for Constructions of Proposed Construction of Emergency Medical Department (EMD) Building for Mirembe National Mental health Hospital.

CONTRACT VALUE

For contract price of Tshs 120,000,000/= (Tanzania Shillings One Hundred and Twenty Million only) VAT inclusive which is equivalent to 20% of the total cost of material plus preliminaries works labour cost.

NOW THEREFORE the parties here to hereby agree as follow: -

The following documents attached here to shall be deemed to form an integral part of this Contract:

- I. Form of Agreements
- II. Special Condition of Contract
- III. General Conditions of Contract
- IV. Negotiation Minutes
- V. Intention to Award and Letter of Acceptance.
- VI. List of proposed Key Personnel and their CVs.
- VII. List of Major items of Contractor's Equipment proposed for carrying out the Works.
- VIII. Bill of Quantity and Schedule of requirements.
 - IX. Drawings

AGREEMENT RIGHTS

The rights, obligations and benefits under this agreement may not be assigned or transferred to a third party without the prior written consent of the other party.

The approval or consent to transfer such right prior to written notice shall not be unreasonably withheld or denied.

TERMINATION

M/s Gopa contractors Limited and the Executive Director, Mirembe National Mental Health Hospital shall be entitled to terminate this agreement by notice in writing if either party shall be in material breach of any of the provisions hereof and shall rectify such breach within seven (7) days of receipt of written notice.

The client may terminate this agreement by giving **M/s Gopa contractors Limited** thirty (30) days written notice and must state the reason for termination for written recording, subject to covering payment of all liabilities and costs incurred till date of termination.

Any termination of this agreement will be without prejudice to any other rights or remedies a party may be entitled to under this agreement or at law and will not affect any accrued rights or liabilities of either party.

FORCE MAJEURE

"Force Majeure" means an event which is beyond reasonable control of a party and which makes a party's performance of its obligation under the agreement impossible or impractical or impossible under the circumstances.

If either party is unable to fulfill the obligations set out in this agreement by reason of force majeure then such a party shall give notice to the other party within thirty (30) days.

ARBITRATION

If any dispute or difference arises then each party can appoint arbitrators in conformity with the provisions of the arbitration Act (CAP.15) of the laws of Tanzania.

CONFIDENTIALITY

Each of the parties will protect all of the information exchanged and not disclose any such information to a third party without approval by both parties.

If one party is asked to disclose such information with the requirements of any law then that party shall promptly write a written notice so the other party may seek a protective order or take the appropriate remedies to safe guard its interests.

The party ordered to disclose confidential information shall only disclose the portion required - advised by legal counsel.

GOVERNING LAW

This agreement shall be governed in accordance with the laws of Tanzania

PAYMENTS

All payments shall be made in Tanzanian Shillings

Executive Director, Mirembe National Mental Health Hospital will pay M/s Gopa contractors Limited advance payment of 15% of total labour cost of Tshs 105,000,000/= upon submission of Advance payments Bond in the form of unconditional bank guarantee.

Preliminaries works payments

All preliminaries works will be performed by the contractors at labour cost of Tshs 15,000,000.00/=VAT incl.

PENALTIES

In the event **M/s Gopa contractors limited** breaches, the contract then the following procedures shall apply.

- 1. Upon discovery, shall notify the "EMPLOYER" within 24 Hours and notify them in writing.
- 2. Agree with the Employer on a compensation plan as a result of the breach in contract.

In the event Executive Director, **Mirembe National Mental Health Hospital** breaches the contract then the following procedures shall apply.

1. Upon discovery, shall notify the "CONTRACTOR" within 24 Hours and notify them in writing.

IN WITNESS WHEREOF, the here to have caused this contract to be signed in their respecting names as of the day and year first above written.

Signed by, the said **Executive Director**, For and on behalf of the Employer,

MIREMBE NATIONAL MENTAL HOSPITAL, P. O. Box 910, DODOMA LAWALA Designation Executive DIRECTOR Mirembe Hospital Signature. Laville BOX 910 - Dadoma Date 279 2022 Witness to the signature of Employer Name DICKSON RAMADIAN KANONDA Designation LEGAL OFFICER Signature Transport Date ... 27 January, 2022 Signed by, the said Managing Director, For and on behalf of the Services Provider, M/S GOPA CONTRACTORS LIMITED, P. O. BOX 33259, DAR ES SALAAM. Name GODFREY MOGELLALT Designation MANAGING DIRELIDR
Signature Chungellich Witness to the signature of Service Provider MAJID STIF Designation....STAF Signature.....

SPECIAL CONDITION OF CONTRACT

SCC	GCC	Description
Clause 1.	Clause	Defect Liability Period will be 365 days.
1,	1.1	The Employer is: Executive Director, Mirembe National Mental Health Hospital P. O. Box 910, Dodoma
		The Project Manager is Head of Building Section Ministry of Health.
		The Works consist of The 1. Building Works:
		Provision of Labour, Equipment's and preliminary works for carrying out work for Proposed Construction of Emergency Medical Department (EMD) buildings for Mirembe National Mental Health Hospital.
		 Other activities including: Substructure ,Super substructure, Window, Roofing, Finishing, Painting and Decoration, Electrical and fire system Installations, ICT installation, A/c and Ventilation, Plumbing and Engineering Installations.
		Other works has been defined in BOQ and in Schedule of material
		The Commencement Date shall be Seven (7) Days After the last signature of the signing party.
		The Intended Completion Date for the whole of the Works shall be Six (6) Months The Site is located within Mirembe National Mental Health Hospital and is defined in Drawings.
2	2.2	Indicate whether sectional completion is specified Not Applicable
3	2.3	List other documents that form part of the contract if any: 1. List of proposed Key Personnel and their CVs. 2. List of Major items of Contractor's Equipment proposed for carrying out the Works. 3. General Conditions of Contract 4. Special Condition of Contract 5. Bid Price. 6. Negotiation.

		7 Latter of Award and Latter of Assess
		7. Letter of Award and Letter of Acceptance.8. Bill of Quantity.9. Specifications and Drawings.
		5. Specifications and Drawings.
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: Executive Director, Mirembe National Mental Health Hospital P. O. Box 910, Dodoma.
		Consultant: PSM Architecture Ltd
6	11.1	Include the Schedule of Other Contractors if any: All Sub Contractors that will be nominated by the Contractor.
7	12.1	Include the Schedule of Key Personnel Project Manager Site Agent
	19 4 5	 Project Engineer General Foreman Technicians
8	16.1	The minimum insurance covers shall be: N/A
9	17.1	Site Investigation Reports available to the Tenderer are: Not Available. 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.
	24.1	Unless otherwise state tax payment statusNot Applicable
10.	25.4	 The other measures include: a. Minimizing the number of migrant workers employed on the project and household in the site camp b. Providing access to voluntary counseling and testing (VCT) c. Providing psychological support and health care including prevention and treatment of opportunistic infections for workers infected and affected, as well as their families d. Providing condoms (male and female) to workers
11.	27.1	The Site Possession Date shall be Four (4) Days after both parties have signed the contract

_	30.4	Arbitration will take place in Dodoma City in accordance with the
	30.4	rules and regulations published by NCC
12.	31.1	Hourly rate of Fees payable to the Adjudicator is:
		Types of reimbursable expenses to be paid to the Adjudicator include: Not Applicable
13.	32.1	Appointing Authority for the Adjudicator: National Construction Council of Tanzania.
	33.1	Otherwise, Responsible person for security of the site is a Contractors
		B. Time Control
14.	34.1	The Contractor shall Submit a revised Program for the Works within seven (7) days of delivery of the Letter of Acceptance.
15.	34.2	The period between Programme updates is Thirty (30) days.
		The amount to be withheld Project Manager in the case the contractor does not submit an updated programme is: N/A
		C. Quality Control
16.	42.1	The Defects Liability Period is 365 days.
	1	D. Cost Control
	**	
17.	50.7	Minimum amount of Interim Payment Certificate will be
18.	53.1	Site Possession date shall: Seven (7) days after the last signature of the signing party of the Contract
19.	52.1	The currency is Tanzanian Shillings
20.	55.1	The contract is not subject to price adjustment in accordance with GCC 55.
21.	56.1	The amount of retention is 10% is per Certificate
		Limit of retention: 5%
22.	57.1	(i) The amount of liquidated damages per day is: percent which should be between 0.1 percent of contract price per day
23.	58.1	The Bonus for early completion is: Not Applicable

24.	59.1	The amount of advance payment shall be fifteen percent(15%) of the contract sum Monthly Recovery of Advance Payments: ten percent (10%) of the amount of monthly Interim Payment Certificate.
25.	60.1	The Performance Security shall be the minimum amounts equivalent to ten percent (10%)/ of the contract price in the form of: (a) Bank Guarantee (b) Performance Bond The standard form of Performance Security acceptable to the Employer shall be Unconditional Bank Guarantee of the type presented in Section IX of the Tendering Documents
26.	64.1	Site handover date shall be immediate after the date of completion of works
		E. Discharge of the Contract
27.	66.2	The amount to be withheld for failing to produce "as built" drawings by the date required is The amount to be withheld for failing to produce operating and maintenance manuals by the date required is N/A
28.	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 fifteen percent (15%) of the balance works

GENERAL CONDITIONS OF CONTRACT

1. Definitions

1.1 The following words and expressions shall have the meanings hereby assigned to them:

The **Adjudicator** is the person appointed by the Appointing Authority specified in the **SCC** to resolve contractual disputes in the first instance, and as provided for in GCC 30 [Disputes Resolution] hereunder.

The **Arbitrator** is the person appointed by the Appointing Authority specified in the **SCC** to resolve contractual disputes, and as provided for in GCC 30 [Disputes Resolution] hereunder.

Bill of Quantities -means the priced and completed Bill of Quantities forming part of the Tender.

Compensation Events are those events provided for in GCC 53 [Compensation Events]

The **Completion Date** is the date of completion of the Works as certified by the Project Manager, in accordance with GCC 63.1 [Completion Certificate].

The **Contract** is the agreement entered between the Employer and the Contractor to execute, complete, and maintain the Works. It consists of the documents listed in GCC 2.3 [Interpretation] below.

The **Contractor** is the person, whether natural or legal whose tender to carry out the Works has been accepted by the Employer.

The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.

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

Days are calendar days.

Day-works are varied work inputs subject to payment on a time basis for the Contractor's employees and Equipment, in addition to payments for associated Materials and Plant. A **Defect** is any part of the Works not completed in accordance with the Contract.

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

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

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

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

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

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

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

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

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

Months mean calendar months.

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

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

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

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

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

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

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

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

Force Majeure means an unforeseeable event which is beyond reasonable control of either Party and which makes a Party's performance of its obligations under the Contract impossible or so impractical as to be considered impossible under the circumstances. For the purposes of this Contract, "Force Majeure" means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of a Party, and which makes a Party's performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances and includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm,

		flood, epidemics, or other adverse weather conditions.
		strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent), confiscation.
		The Works are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the SCC .
2. Interpretation	2.1	In interpreting these Conditions of Contract headings and marginal notes are used for convenience only and shall not affect their interpretations unless specifically stated; references to singular include the plural and vice versa; and masculine include the feminine. Words have their ordinary meaning under the language of the Contract unless specifically defined.
	2.2	If sectional completion is specified in the Special Conditions of Contract, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).
	2.3	The documents forming the Contract shall be interpreted in the following order of priority:
		(1) Form of Agreement,
		(2) Special Conditions of Contract,
		(3) General Conditions of Contract,
		(4) Letter of Acceptance,
		(5) Certificate of Contract Commencement,
		(6) Specifications,
		(7) Drawings,
		(8) Bill of Quantities,
		(9) Contractor's Tender, and(10) Any other document listed in the Special
		(10) Any other document listed in the Special Conditions of Contract as forming part of the Contract.

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. Communicatio	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 .
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	If the Contractor constitutes a joint venture, consortium or other unincorporated grouping of two or more persons:
		(a) These persons shall be jointly and severally liable to the Employer for the performance of the Contract;
		(b) These person shall notify the Employer of their leader who shall have the authority to bind the Contractor and each of these persons; and
		(c) The Contractor shall not alter its composition or legal status without the prior consent of the Employer.

11. Other Contractors	11.1	The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer between the dates given in the Schedule of Other Contractors, as referred to in the SCC. The Contractor shall also provide facilities and services for them as described in the Schedule. The Employer may modify the Schedule of Other Contractors, and shall notify the Contractor of any such modification.
12. Personnel	12.1	The Contractor shall employ the key personnel named in the Schedule of Key Personnel, as referred to in the SCC, to carry out the functions stated in the Schedule or other personnel approved by the Project Manager. The Project Manager will approve any proposed replacement of key personnel only if their relevant qualifications and 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	From the Commencement Date until the Defects Correction Certificate has been issued, the following are Employer's risks:
		(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:
		(i) Use or occupation of the Site for the purpose of the Works, which is the unavoidable result of the Works or
		(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.
		(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.
	14.2	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:
		(a) a Defect which existed on the Completion Date,
		(b) An event occurring before the Completion Date, which was not itself an Employer's risk, or
		(c) The activities of the Contractor on the Site after the Completion Date.

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

17. Site Investigation Reports	17.1	The Contractor shall, in executing the contract, rely on Site Investigation Reports referred to in the SCC and any supplemented information available to the Contractor.
18. Queries about Implementatio n of the Contract		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. Commencem ent 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	22.4	The Centractor shall comply with all the section (1)
23. Labour Laws	23.1	The Contractor shall comply with all the relevant labour laws applicable in the United Republic of Tanzania, including laws relating to workers employment, social security, working hours, health, safety, welfare and immigration.
	23.2	The Contractor shall require his employees to obey all applicable laws, including those concerning safety at work.
24. Taxes and Duties	24.1	The Contractor, Sub-contractors and Personnel shall pay such taxes, duties, fees and other impositions as may be levied under the Laws of Tanzania unless otherwise stated in the SCC .
25. Health and Safety	25.1	The Contractor shall at all times take all reasonable precautions to maintain the health and safety of his personnel and the public as per the governing occupational, health and safety laws
	25.2	The Contractor shall ensure that first aid facilities are available at all times at the site and that suitable arrangements are made for all necessary welfare and hygiene requirements and for the prevention of epidemics
	25.3	The Contractor shall notify the Employer details of any accident as soon as practicable after its occurrence. The Contractor shall maintain records and make reports concerning health, safety, and welfare of persons, and damage to the property, as the Employer may reasonably require.
	25.4	The Contractor shall conduct an HIV-AIDS awareness programme, and shall take other such measures as specified in the SCC to reduce the risk of transfer of HIV virus between and among Contractor's personnel, the Employers Staff and the surrounding community.
26. Discoveries	26.1	Anything of historical or other interest or of significant value unexpectedly discovered on, in, or under the land at the Site shall be the property of the Employer.
	26.2	The Contractor shall notify the Project Manager of such discoveries and carry out the Project Manager's instructions for dealing with them.
	26.3	The Contractor shall take reasonable precautions to prevent his workers or any other persons from

		damaging such discoveries and shall immediately upon discovery thereof and before removal acquaint the Project Manager of such discovery and carry out at the expense of the Employer the instructions of the Project Manager.
27. Possession of the Site	27.1	The Employer may give possession of whole or parts of the Site to the Contractor as stated in the SCC. If possession is not given by the date stated in the SCC, the Employer will be deemed to have delayed the start of the relevant activities, and this will be a Compensation Event.
28. Access to the Site	28.1	The Contractor shall allow the Project Manager and any person authorized by the Project Manager access to the Site and to any place where work in connection with the Contract is being carried out or is intended to be carried out.
29. Instructions, inspections and audits	29.1	The contractor shall comply with instructions given by the Project Manager in writing on any matter related to the contract
	29.2	The Contractor shall permit the Government, of the United Republic of Tanzania to inspect the Contractor's accounts and records relating to the performance of the Contract and to have them audited by auditors appointed by the Government of the United Republic of Tanzania if so required.
30. Disputes Resolution	30.1	In the event of any dispute arising out of this contract, either party shall issue a notice of dispute to settle the dispute amicably. The parties hereto shall, within twenty eight (28) days from the notice date, use their best efforts to settle the dispute amicably through mutual consultations and negotiation. Any unsolved dispute may be referred by either party to an adjudicator nominated by the appointing Authority specified in the SCC .
	30.2	After the dispute has been referred to the adjudicator, within 30 days, or within such other period as may be proposed by the Parties, the Adjudicator shall give its decision. The rendered decision shall be binding to the Parties.

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

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

36. Acceleration	36.1	When the Employer wants the Contractor to finish the Works before the Intended Completion Date, the Project Manager will obtain priced proposals for achieving the necessary acceleration from the Contractor. If the Employer accepts the said proposals, the Intended Completion Date will be adjusted accordingly and confirmed by both the Employer and the Contractor.
	36.2	in the event the Contractor's priced proposals for acceleration of the Works are accepted by the Employer, they shall be incorporated in the Contract Price and treated as a Variation.
37. Delays Ordered by the Project Manager	37.1	The Project Manager may instruct the Contractor to delay the start or progress of any activity within the Works.
38. Management Meetings	38.1	Either the Project Manager or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.
	38.2	The Project Manager shall record the business of management meetings and provide copies of the record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken shall be decided by the Project Manager either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.
39. Early Warning Notice	39.1	The Contractor shall give an early warning notice to the Project Manager at the earliest opportunity of specific likely future event(s) or circumstance(s) that may adversely affect the quality of the Works, increase the Contract Price or delay the execution of the Works. Upon receipt of the said Notice, the Project Manager may require the Contractor to provide an estimate of the expected effect of the future event(s) or circumstance(s) on the Contract Price and Intended Completion Date or Completion Date as the case may be. The estimate shall be provided by the Contractor as soon as reasonably possible.
	39.2	The Contractor shall cooperate with the Project Manager in making and considering proposals on how

		the effect of such an event(s) or circumstance(s) could be avoided or reduced by anyone involved in the Works and in carrying out any resulting Instruction of the Project Manager.
		C. Quality Control
40. Identifying Defects	40.1	The Project Manager shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities.
	40.2	The Project Manager may instruct the Contractor to search for a Defect and to uncover and test any work that the Project Manager considers may have a Defect.
41.Tests	41.1	The Project Manager may instruct the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and in the event the test shows that it does, the Contractor shall pay for the test and any samples thereof. If there is no Defect, the test shall be a Compensation Event.
42. Correction of Defects	42.1	The Project Manager shall give notice to the Contractor of any Defects before the end of the Defects Liability Period stated in the SCC, which begins from the Completion Date.
43. Extension of Defect Liability Period	43.1	Every time notice of a Defect is given, the Contractor shall correct the notified Defect(s) within the period of time specified in the Project Manager's notice.
	43.2	The Defects Liability Period may be extended by the Project Manager for as long as Defects remain to be corrected.
44. Uncorrected Defects	44.1	In the event the Contractor has not corrected a Defect(s) within the time specified in the Project Manager's notice, the Project Manager will assess the cost of having the Defect corrected, including any other related cost(s) and the Contractor will pay the said cost.
		D. Cost Control

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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. If the Employer makes a late payment the Contractor shall be paid interest on the late payment in the next payment. Interest shall be calculated from the date by which the payment should have been made up to the date when the late payment is made at the prevailing rate of interest issued by the Bank of Tanzania on the date of Contract signature for each of the currencies in which payments are made.
	51.2	If an amount certified is increased in a later certificate or as a result of an award by the Adjudicator or an Arbitrator, the Contractor shall be paid interest upon the delayed payment as set out in this clause. Interest shall be calculated from the date upon which the increased amount would have been certified in the absence of dispute.
	51.3	Unless otherwise stated, all payments and deductions will be paid or charged in the proportions of currencies comprising the Contract Price.
	51.4	Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

52. Currencies	52.1	The currency of payment shall be stated in the SCC.
		Where payments are to be made in currencies other than the Tanzania Shillings, the exchange rates to be used for calculating such amounts shall be the Bank of Tanzania exchange rate prevailing on the date of contract signature.
53. Compensation n Events	53.1	The following shall be Compensation Events:
		(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Special Conditions of Contract.
		(b) The Employer modifies the Schedule of Other Contractors in a way that affects the work of the Contractor under the Contract.
		(c) The Project Manager orders a delay or does not issue Drawings, Specifications, or instructions required for execution of the Works on time.
		(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.
		(e) The Project Manager unreasonably does not approve a subcontract to be let.
		(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.
		(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.
		(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.
		(i) The advance payment is delayed.

		(j) The effects on the Contractor of any of the Employer's Risks.
		(k) The Project Manager unreasonably delays issuing a Certificate of Completion.
		(I) Other Compensation Events described in the Contract or determined by the Project Manager shall apply.
	53.2	If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date shall be extended. The Project Manager shall, upon consultation with Employer, decide whether and by, how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.
	53.3	As soon as information demonstrating the effect of each Compensation Event upon the Contractor's forecast cost has been provided by the Contractor, it shall be assessed by the Project Manager, if agreed by the Employer, the Contract Price may be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Project Manager in consultation with Employer shall adjust the Contract Price based on the Project Manager's own forecast.
	53.4	The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor's not having given early warning notice or not having cooperated with the Project Manager.
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.
		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].
		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.
55. 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 formula 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;
		where;
		Pn is a price adjustment factor to be applied to the amount in each specific currency for the payment of the work carried out in the subject month, where such variations and daywork are not otherwise subject to adjustment;
		a is a constant, specified in the Appendix to Tender, representing the nonadjustable portion in contractual payments;
		b, c, d, etc., are weightings or coefficients representing the estimated proportion of each cost element (labor, materials, equipment usage, etc.) in the Works or sections thereof, net of Provisional Sums, as specified in the Appendix to Tender ; the sum of a, b, c, d, etc., shall be one;
		Ln, Mn, En, etc., are the current cost indices or reference prices of the cost elements in the specific

currency of origin for month "n," determined pursuant to CGC 55.5, applicable to each cost element; and Lo, Mo, Eo, etc., are the base cost indices or reference prices corresponding to the above cost elements at the date specified in GCC 55.5 The value of net work done, certified by the Project Manager, in any monthly Interim or Final Certificate as payable by the Employer to the Contractor before deduction of any retention money shall be increased or decreased by an amount of 'F'. where; The effective value Pc of work done which is to be subjected to increase or decrease shall be the difference between: (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: any amount for payment or repayment of any advance payment; any amount for materials on site (if any); any amounts for nominated sub-contractors (if any) any amounts for any other items based on actual cost or current prices; or any sums for increase or decreases in the Contract Price paid under GCC 55.3 and (ii) the amount calculated in accordance with (i) above of GCC 55.3 and included in the last preceding statement. 55.4 The sources of indices shall be those listed in the Appendix to Tender, as approved by the Project Manager. Indices shall be appropriate for their purpose and shall relate to the Contractor's proposed source of supply of inputs on the basis of which his Contract Price and expected foreign currency requirements shall have been computed. As the proposed basis for price adjustment, the Contractor shall have submitted with his

Tender the tabulation of Weightings and Source of

		Indices in the Appendix to Tender , which shall be subject to approval by the Project Manager.
	55.5	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 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 favourable to the Employer, provided that if an extension of time is granted pursuant to GCC 35 [Extension of the Intended Completion Date], the above provision shall apply only to adjustments made after the expiry of such extension of time.
	55.7	The weightings for each of the factors of cost given in the Appendix to Tender shall be adjusted if, in the opinion of the Project Manager, they have been rendered unreasonable, unbalanced, or inapplicable as a result of varied or additional work already executed or instructed under GCC 48 [Payment for Variations] or for any other reason.
56. Retention	56.1	The Employer shall retain from each payment due to the Contractor the proportion stated in the Special Conditions of Contract. The total amount of retention shall not exceed the amount specified in the Special Conditions of Contract
	56.2	On completion of the whole of the Works, half the total amount retained shall be repaid to the Contractor and the other half when the Defects Liability Period has passed and the Project Manager has certified that all Defects notified by the Project Manager to the Contractor before the end of this period have been corrected.

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	56.3	On completion of the whole Works, the Contractor may substitute retention money with an 'on demand" or unconditional Bank guarantee.
57. 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]

58. Bonus	58.1	If stated in the Special Conditions of Contract the Contractor shall be paid a Bonus calculated at the rate per calendar day for each day (less any days for which the Contractor is paid for acceleration) that the Completion is earlier than the Intended Completion Date. The Project Manager shall certify that the Works are complete, although they may not be due to be complete.
59. Advance Payment	59.1	If stated in the SCC the Employer shall make advance payment to the Contractor of the amounts stated in the SCC by the date stated in the SCC, against provision by the Contractor of an Unconditional Bank Guarantee in a form and by a bank acceptable to the Employer in amounts and currencies equal to the advance payment. The Guarantee shall remain effective until the advance payment has been repaid, but the amount of the Guarantee shall be progressively reduced by the amounts repaid by the Contractor. Interest will not be charged on the advance payment.
	59.2	The Contractor is to use the advance payment only to pay for Equipment, Plant, Materials, and mobilization expenses required specifically for execution of the Contract. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the Project Manager.
	59.3	The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, as specified in the SCC following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuations of work done, Variations, price adjustments, Compensation Events, Bonuses, or Liquidated Damages.

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

63. 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.
64. 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
65. 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.
66. Operating and Maintenance Manuals	66.1	The Contractor shall supply to the Employer the "as built" Drawings and/or operating and maintenance manuals and any other related documents by the handover period stipulated pursuant to GCC 64.1 [Site Hand Over].
	66.2	If the Contractor does not supply the Drawings and/or manuals stated in GCC 66.1 by the dates specified pursuant to GCC 64.1 [Site Hand Over] or they do not receive the Project Manager's approval, the Project Manager shall withhold the amount stated in the Special Conditions of Contract from payments due to the Contractor.
67. 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	Fundamental breaches of Contract shall include, but

shall not be limited to, the following:

- 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;
- the Project Manager instructs the Contractor in writing to delay the Works progress, and the instruction is not withdrawn in writing within 28 days;
- c) contractor's failure to submit performance security within the time stipulated in the SCC;
- d) the Employer or the Contractor is declared bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- e) a payment certified by the Project Manager isnot paid by the Employer to the Contractor after 84 days from the date of the Project Manager's certificate:
- f) Failure of the Contractor to correct the defect after lapse of time specified in the notice to correct defects issued by the Project Manager.;
- where the Contractor fails to furnish and maintain the required Site Security pursuant to GCC 33.1 [Security of the Site];
- The Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, as defined in the SCC; and
- i) if the Employer determines, based on the reasonable evidence, that the Contractor has engaged in corrupt, coercive, collusive, obstructive or fraudulent practices, in competing for or in executing the Contract.

For the purpose of this paragraph:

"corrupt practice means the offering, giving receiving or soliciting of anything of value to

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	influence the action of a public officer in the procurement process or contract execution;
	"coercive practice"
	means impairing or harming, or threatening to impair or harm directly or indirectly, any party or the property of the party for the purpose of influencing improperly the action or that party in connection with public procurement or in furtherance of corrupt practice or fraudulent practice;
	collusive practices" means impairing or 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
	"fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer and includes collusive practices among tenderers, prior to or after submission designed to establish tender prices at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition;
	"obstructive practice" means acts intended to materially impede access to required information in exercising a duty under this contract;
67.	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.	Notwithstanding the above, the Employer may terminate the Contract for convenience.
67.	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.
68. 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.

69. 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,		
70. Suspension of Financing	70.1	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:		
		(a) The Employer shall notify the Contractor of such suspension within Seven (7) days of having received the financing agency's suspension notice.		
		(b) After the Notice has been issued and within fourteen (14) days, the Parties shall mutually agree on the future events of the Contract		
71. Force Majeure	71.1	Neither Party shall have any liability or be deemed to be n 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.
72. 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.

NEGOTIATION MINUTES

DISCUSSION AND RESOLUTIONS

S/N	PARTICULARS	DESCRIPTION	ACTION
1	Opening of meeting.	Chairperson of the meeting called the meeting to order at 13:00hrs by welcoming remark to attendants.	Chairperson
2	Introduction and Adoption of Agenda	 Member were self-introduced and hence the meeting was formed by the team from Client side (MOH),(MNMH)and Contractor side (M/S GOPA CONTRACTORS LTD) Negotiation parameters were shared to the team and accepted for further discussion and Negotiation. 	
3	Discussion on Contract Parameters	It was confirmed that the contractor understands clearly the scope of the project and agrees to be liable to execute the project for provision labour under Force Account. II. Project cost The corrected bid price was TZS 120,068,202.75/= VAT Inclusive after agreeing on Discount of TZS.10,068,202.75/= of the corrected labour Price, the agreed contract price is TZS. 105,000,000.00 VAT Inclusive with the execution duration of Six (6) Months from the date of signing the contract. III. Preliminary Cost All preliminaries works will be performed by the contractors at the cost of Tsh 15,000,000.00/=VAT incl. be paid as follows:- 1. 40% paid at the firstTsh 6,000,000/= + Advance Payment 2. 20% 1st IPC Tsh 3,000,000/= 3. 20% 3rd IPC Tsh 3,000,000/= 4. 20% 5th IPC Tsh 3,000,000/=	info
		V. Payment Modality 15% of TZS. 105,000,000 as advance	Gapo

S/N	PARTICULARS	DESCRIPTION	ACTION
		payment upon submission of advance payment bond in the form of Unconditional Bank Guarantee.	
		 V. Terms of payments Application of payments will follow upon completion of milestone as follow: 1. 1st IPC paid after completion of all Sub structure sections 	Gapo
		 2nd IPC paid after completing of Superstructure/all walls until blocks above top of ring beam -First fix of all service 	Gapo
		 Second fixing incl. Roof structure + covering, Doors Frames and grills, window frames and Grills, Door shutters, Brendaring and ceiling boards 	МММН
		 Finishing works incl. painting, Second fix works, Door shutters, Aluminum windows 	
		Testing, commissioning and demobilization	
		/I. Resources Allocation Availability off all necessary equipment's (Plant, equipment's +working tools) as it was mentioned in Tender Documents	
		II. Performance Bond Agreed that contractors should submit performance bond of 2.5% of contract sum from insurance Company.	GOPA &
	!	II. Securities Agreed that Contractor will submit all the necessary covers for Insurance policy. CARI (contract all risk insurance, labour plus equipment's)	MNMH
		Contractor Confirmed to have all the key personnel as per submitted list in a Tender	GOPA

S/N	PARTICULARS	DESCRIPTION	ACTION
		document. X. Duration of the Project	
		It was agreed that the project duration will be within 6 months from date of site possession. Contractor promised us a quality work and complete before or by the agreed completion date of the project.	
		XI. Mobilization It was agreed that mobilization period will be five days from the date of site possession upon signing the contract.	
		Agreed that contractor will submit a revised works schedule within seven days after site possession.	
		III. Taxation All materials and labour charge are VAT inclusive	×
5	AOB	It was agreed to enhance cooperation during implementation	ALL
7	Closing of meeting	The meeting was closed at 18:00hrs and the chairperson thanked all the members for their constructive comments that lead to meet the negotiation conclusion.	INFO

RECORD OF NEGOTIATIONS

Name of the Procuring Entity: Mirembe National Hospital and Mental Health

Tender ID No.: ME/907/2021-2022/HQ/W/26

Subject of Procurement: Provision of Labour, Equipment's and Preliminaries Works for Carrying out the Proposed Construction of Emergency Medical Diseases and Intensive Care Unit at Mirembe National Hospital and Mental Health

Method of Procurement: Restricted National Tendering

Date of Negotiation: 18/01/2022

SN	Name	Position	Name of Tenderer/Firm	Signature
1	HAMIDY J. NGILLER	G/ MKII	Most the	Shouk
0	Ally M. Shillal	S/o-Secretary Member	MNMH	atillal.
3.	Paid Magesa	Member	MNMH	Magen
4	Godbey Mogellih	MO-GOPA	MNMIT	Auto
5,	FRANCISD. KITUPA	Cow	MNMH	480-

MIREMBE NATIONAL MENTAL HEALTH HOSPITAL

- ✓ Telegram: "Mirembe Hospital"
 Telegram: 0262394570
- ₱ Fax: 2390364
- Email: info@mirembe.or.tz
- Website: www.mirembe.or.tz
- **Q** Dodoma



And Isanga Institution P.O.Box 910 Dodoma

In Reply Please Quote: Executive Director

21StJanuary, 2022

Ref: DO/M/548/VOL I/5

Managing Director

M/s Gopa Contractors Tanzania Limited.

P.O Box 33259,

Dar es Salaam.

RE:INTENTION TO AWARD A CONTRACT FOR THE PROVISION OF LABOUR AND EQUIPMENT FOR CARRYING OUT WORKS FOR THE PROPOSED CONSTRUCTION OF EMERGENCY MEDICAL DEPARTMENT (EMD) FOR MIREMBE NATIONAL MENTAL HEALTH HOSPITAL, TENDER No. ME/007/2021-2022/HQ/W/26

Reference is made to the above heading.

The above mentioned tender which you participated is now at the award stage. In accordance with PPA No. 7 of 2011 GN No. 446 Reg. 231(2) of the PPR 2013 we are intending to award this tender LOT 1. (EMD Construction) to you at the contract sum of Tanzania Shillings One Hundred twenty Million only (Tshs 120,000,000/=) VAT Inclusive with construction period of six (6) month from the date of signing a contract.

The reason for accepting the firm is due to the competitive price offered for provision of labour cost for construction of EMD through Force account as per our requirements.

Thank you for your cooperation.

Paul S. Lawala Exacutive Director



GOPA CONTRACTORS TANZANIA LIMITED

P.O.BOX 33259, DAR ES SALAAM

Phone: +255 688 910 000 / +255 713 265 000

Website: www.gctl.co.tz Email: gopagg@gmail.com, info@gctl.co.tz

24th Jan, 2022

GCTL/MIREMBE/24/01/2022/2 EXECUTIVE DIRECTOR

MIREMBE NATIONAL MENTAL HEALTH HOSPITAL P.O.BOX 910 DODOMA

Dear Sir

REF: PROVISION OF LABOUR, EQUIPMENTS AND PRELIMINARIES WORKS FOR CARRYING OUT PROPOSED CONSTRUCTION OF EMERGENCY MEDICAL DEPARTMENT (EMD) AND INTENSIVE UNIT CARE (ICU) BUILDINGS FOR MIREMBE NATIONAL MENTAL HEALTH HOSPITAL LOT 1 AND LOT 2, TENDER NO ME / 007/2021-2022/HQ/W/26

SUB: INTENTION TO AWARD A CONTRACT FOR THE PROVISION OF LABOUR AND EQUIPMENT FOR CARRYING OUT WORKS FOR THE PROPOSED CONSTRUCTION OFEMERGENCY MEDICAL DEPARTMENT (EMD)) FOR MIREMBE NATIONAL MENTAL HEALTH HOSPITAL, TENDER No. ME/007/2021-2022/HQ/W/26

The heading above refers,

GOPA Contractors Tanzania Limited do acknowledge receipt of your letter with REF/DO/M/548/VOL1/5 and we do accept the board decision to award Lot 1.(EMD Construction) to GOPA Contractors Tanzania Limited at the contract sum of Tanzania Shillings One Hundred twenty Million only (Tshs 120,000,000/=)

We do appreciate for trust you have showed to our company and we do commit that we will doa very professional work, at very high quality and within agreed timeframe

Thank you for your cooperation. Yours Faithfully

Godfrey Mogellah Managing Director & CEO



Phone: +255 688 910 000 / +255 713 265 000 Website: www.gctl.co.tz Email: gopagg@gmail.com, info@gctl.co.tz

24th Jan, 2022

GCTL/MIREMBE/24/01/2022/1, EXECUTIVE DIRECTOR

MIREMBE NATIONAL MENTAL HEALTH HOSPITALP.O.BOX 910

DODOMA

Dear Sir

REF: PROVISION OF LABOUR, EQUIPMENTS AND PRELIMINARIES WORKS FOR CARRYING OUT PROPOSED CONSTRUCTION OF EMERGENCY MEDICAL DEPARTMENT (EMD) AND INTENSIVE UNIT CARE (ICU) BUILDINGS FOR MIREMBE NATIONAL MENTAL HEALTH HOSPITAL LOT 1 AND LOT 2, TENDER NO ME / 007/2021-2022/HQ/W/26

SUB: INTENTION TO AWARD A CONTRACT FOR THE PROVISION OF LABOUR AND EQUIPMENT FOR CARRYING OUT WORKS FOR THE PROPOSED CONSTRUCTION OF INTENSIVE CARE UNIT (ICU) FOR MIREMBE NATIONAL MENTAL HEALTH HOSPITAL, TENDER No. ME/007/2021-2022/HQ/W/26

The heading above refers,

GOPA Contractors Tanzania Limited do acknowledge receipt of your letter with REF/DO/M/548/VOL1/4 and we do accept the board decision to award Lot 2 to Linimo Construction Limited at the agreed price

We do appreciate for taking your time to go through our documents and looking forward on doing business with you in the near future



Thank you for your cooperation.

Yours Faithfully

Godfrey Mogellah

Managing Director & CEO



GOPA CONTRACTORS TANZANIA LIMITED

P.O.BOX 33259, DAR ES SALAAM

Phone: +255 688 910 000 / +255 713 265 000

Website: www.gctl.co.tz Email: gopaggagmail.com, infoagctl.co.tz

Personnel

Qualifications and experience of key personnel proposed for administration and execution of the Contract. (CVs of all key proposed key personnel shall be attached)

Schedule of Key Personnel

S/No.	Position {PE to list required key personnel}	Name	Years of Experience (General Experience) [PE to list required Years of Experience]	Years of experience in proposed position [PE to list Years of Experience]
1.	Supervising Engineer	Benjamin Kyaruzi	9	Q
2.	General Site Foreman	Edmund Munisi	20	20
3.	Electrical Engineer	Alfani Rajabu Hamisi	6	6
4.	Quantity Surveyor	Winifrida Shemsika	7	5



1	PROPOSED POSITIONFOR THIS PROJECT	SENIOR ENGINEER.			
2	NAME OF PERSON	Benjamin Mtegany	Benjamin Mteganya KYARUZI.		
3	DATE OF BIRTH	15 th May 1986			
4	NATIONALITY	Tanzanian			
5	MEMBERS HIP IN PROFESSI ONAL ASSOCIAT IONS	Registered Professional Engineer, Engineers Registration Boardof Tanzania (ERB), with Registration No. 4199.			
6	EDUCATION;	B.Sc. in Civil and Transportation Engineering, University of Dales es Salaam, Dar es Salaam, Tanzania (2011).		iversity of Dar	
7	OTHER TRAINING				-
8	LANGUAGES & DEGREE OF PROFICIENCY	Language Kiswahili English	Speaking Excellent Excellent	Reading Excellent Excellent	Writing Excellent Excellent
9	COUNTRIES OF WORK EXPERIENCE	Tanzania	á	â	
10	EMPLOYMENT REC	ORD	121		
4	EMPLOYER 1: GOPA POSITION: Design/C			FROM: Feb 2020	TO: To Date

January 2018 to October 2018

Conducting of resurvey of intake, Design, preparation of tender documents at Mawa-Hanga-Msindo villages.

Client: NAMTUMBO DISTRICT COUNCIL.

Financier: World Bank.

Position held: Water supply Engineer/Design Engineer

Activities performed: Conducting of resurvey of intake, Design, preparation of tender documents at Mawa-Hanga-Msindo villages

April 2017 to December 2018

Construction of Piped Water Supply Project for Mkongo Gulioni-Nahimba villages and Litola -

Kumbara villages in Namtumbo District Council Contracts.

Client: NAMTUMBO DISTRICT COUNCIL.

Financier: World Bank.

Position held: Water supply Engineer/Design Engineer

Activities performed: Supervision of Construction of water projects of works contract/review of design of both contracts.

January 2017 to April 2017

Construction of Piped Water Supply Project for Migoli and Mtera Villages in Iringa DistrictCouncil Contract.

Client: IRINGA DISTRICT COUNCIL.

Financier: World Bank.

Position held: Road/Water supply Engineer, Activities performed: Supervision of Construction of water projects of works contract.

January 2015 to December 2016

Detailed Design Review and Supervision of Isupilo, Itengulinyi, Lumuli and Magunga villagewater Supply and sanitation project in IRINGA District Council.

Client: IRINGA DISTRICT COUNCIL.

Financier: World Bank.

Position held: Design/Water supply Engineer,

Activities performed: Detailed Design Review for water supply network and Supervision of Construction of works contract.

November 2015 to June 2016.

Design review and Supervision of Construction of Ulonge water supply and Sanitation projectin IRINGA Municipal.

Location: Tanzania

Client: Iringa Municipal Council.

Financier: World Bank.

Main project features: Supervision

Construction Position held: Water Supply

Engineer.

Activities performed: Design review and Supervision of Ulonge water supply and sanitation project in IRINGA Municipal.

October 2013 to January 2015

Design review and supervision of Nduli, Mgongo and Kigonzile water Supply and sanitation project in IRINGA Municipal Council.

Location: Tanzania

Client: Iringa Municipal Council.

Financier: World Bank.

Main project features: Supervision

Construction Position held: Water Supply

Engineer.

Activities performed:

Design review and supervision of Nduli, Mgongo and Kigonzile water Supply and sanitation project in IRINGA Municipal Council.

· January 2013 to October 2013.

Consultancy services for technical and facilitation services for rural water Supply and sanitation project in Songea Municipal Council together with Songea District Council. Location: Tanzania

Client: Songea District council and Songea Municipal

Council. Financier: World Bank.

Main project features: Hydraulic Design, preparation of Tender Document and

Supervision of works Contract.

Position held: Water Supply Engineer.

Activities performed: Review water demand design data, Hydraulic Design for gravity scheme (Distribution main) using EPANET software, Preparation of Bills of Quantities, Specification and Construction Drawings and Supervision for technical and facilitation services for rural water Supply

and sanitation project in Songea Municipal council together with Songea District Council.

EMPLOYER 2: DEL MONTE (T) LTD	FROM:	TO:
POSITION: Highway Engineer (Employee)	May	February
	2012	2013

Name of Assignment: Construction of phase one (Maintenances of Mabatini-1.2km, Police Mabatini-0.135km and Estate road-0.6km) to Asphalt concrete Layer.

Location: Tanzania

Client: Kinondoni Municipal Council. Financier: Government of Tanzania.

Main project features: Construction gravel road to asphalt concrete layer. Position held: Highway Engineer.

Activ Polic Dutie	ities performed: construction of phase one (Maintenan eMabatini-0.135km and Estate road-0.6km) to Asphalt o	ces of Mabati concrete Laye	ni-1.2km, er.		
☐ Supervision role in construction activities by measuring of quantities for the executed					
works. □ Preparation and conducting of regular site meetings and other third part meetings					
	on behalf ofthe contractor. Training students from various Universities, step by step	s. i.e. from pr	eparation of		
	sub grade layer to asphalt concrete. Processing supply, scheduling utilization and recording of	materials, Lab	our and plant		
	Preparation and implementation of work schedules (progra	ams).			
	Production of civil works components.				
	Quality control by field/Laboratory testing of materials and components.	building/civil w	vorks		
	Measuring up works, costing and preparation of accounts.				
	Staff and Labour relations.				
EMPL	OYER 3: HARI SINGH AND SONS LTD.	FROM:	TO:		
	ΠΟΝ: Site Engineer (Employee)	August 2011			
Msim tarma Loca Clien Finar Main Revie Acti of Ki	dding of Kipawa Power Substation Dar es Salaam, Upgbazi roadto tarmac level and upgrading of Tabata Kinyer c level. ation: Tanzania t: TANESCO/TANROAD. acier: World Bank/Government of Tanzania. project features: Detail Engineering Design ew. Position held: Site Engineer. vities performed: Upgrading of Kipawa Power Substation Engogoto Msimbazi road to tarmac level and upgrading of Tale to tarmac level. uties:	e rezi to Mbuy i Dar es Salaam	uni road to		
•	Supervising in construction of all civil works i.e. Foundation machines and transformer. Upgrading of roads to tarmac level, Conduct site meetings, correspondences and preparation of Interim Payment Certi		nt of all		

11.WORK UNDERTAKEN THAT BEST ILLUSTRATES MY CAPABILITY TO HANDLE THIS ASSIGNMENT

- January 2018 to June 2018; Design/Water Engineer, Detailed design review Likuyuseka-Maganga and Luhimbalilo-Naikesi projects. Preparation of EOI, RFP and tender documents of the same water Projects.
- April 2017 to December 2018; Supervision of Construction of Mkongo Gulioni-Nahimba villages and Litola –Kumbara villages in Namtumbo District Council Contracts. Review of the design to suit the available environment at the site
- January 2016 To December 2017; Design/Water Engineer, Detailed design review of Kahama Water projects. Preparation of EOI, RFP and tender documents of various water Projects.
- January 2015 to Date, Water supply Engineer, Detailed Design Review and Supervision of Isupilo, Itengulinyi, Lumuli and Magunga village water Supply and sanitation project in IRINGA District Council.
- November 2015 to June 2016, Water Supply Engineer, Design review and Supervision of Construction of Ulonge water supply and Sanitation project in IRINGA Municipal.
- □ October 2013 to January 2015, Water Supply Engineer; Design review and supervision of Nduli, Mgongo and Kigonzile water Supply and sanitation project in IRINGA Municipal Council.
- □ January 2013 to October 2013, Water Supply Engineer; Consultancy services for technical and facilitation services for rural water Supply and sanitation project in Songea Municipal Council together with Songea District Council.
- ☐ May 2012 to .February 2013, Highway Engineer; Construction of phase one (Maintenances of Mabatini-1.2km, Police Mabatini-0.135km and Estate road-0.6km) to Asphalt concrete Layer.
- □ August 2011 to May 2012, Site Engineer; Upgrading of Kipawa Power Substation Dar es
 - Salaam, Upgrading of Kigogo to Msimbazi road to tarmac level and upgrading of Tabata Kinyerezi to Mbuyuni road to tarmac level.

12. REFEREES

(A) Eng. Rabi Paul (Registered Consulting Engineer).

From NORPLAN TANZANIA LTD. (My SUPERVISOR).

P.O. BOX 2820 DAR ES SALAAM.

Mobile No: +255 655 889 975.

Email Address: rabipaul@norplantz.org or j2000rabai@yahoo.com.

(B) Eng. Lucas N. Madaha

Iringa District Water Engineer

P.O. BOX 108 IRINGA TANZANIA.

Mobile No: +255 767 741 480 or +255 784 471 480

Email address: madaha.lucas@gmail.com or lmadaha@yahoo.co.uk

Certification:

I, the undersigned, certify that (i) I was not a former employee of the Client immediately before the submission of this proposal, and (ii) to the best of my knowledge and belief, this biodata correctly describes myself, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Signature -

Date of Signing: 14/December/2018

UNIVERSITY OF DAR ES SALAAM



This is to certify
that
Benjamin Kyaruzi

having satisfied the requirements for the award of the

DEGREE OF BACHELOR OF SCIENCE IN CIVIL AND TRANSPORTATION ENGINEERING

WITH HONOURS.

Second Class, Lower Division

was admitted to the degree at a congregation held in DAR ES SALAAM, on the Twenty Fifth day of October.

in the year Two thousand and deven

KMhuken Duler







BSC(CTE)000485



UNITED REPUBLIC OF TANZANIA **ENGINEERS REGISTRATION** BOARD



Certificate of Registration

(Under the Engineers Registration Act, 1997)

It is hereby certified that

Benjamin M. Hyaruzi

having satisfied the requirements for registration as a

PROFESSIONAL

under the provisions of the Engineers Registration Act, 1997, was registered as such on the 09th day of October, 2015

> in the discipline of Civil engineering and was given registration number 4199.

Sealed and given under our hands at Dar es Salaam

this 29th day of December, 2015.

Eng. S. D. M. Mlote Registrar

Eng. Prof. N. M. Lema

Chairman-

Eng. Nuberis P. J. Nyange Board Member

Not valid without photograph of the bearer and practising Licence

CURRICULUM VITAE

Tel: 0787-204630/0756-224781-edmundjames48@yahoo.com

Professional	Nationality	Date of Diffit
F.T.C. in Civil Engineering	Tanzanian	1 st January, 1975

WORKING EXPERIENCE (20 YEARS WORKING EXPERIENCE)

NOTE: I have been in a construction of building and roads construction for 10 years and in construction of tower for 10 years

Currently	Working with GOPA Contractors as a site Foremen ERPP Project up to now
2016 - 2019	I start working with Maktech as a supervisor for 1 year then promoted as project manager in civil department/htt colo projects, Vodacom TOWER CONSTRUCTION, HTT CONSOLIDATION PROJECTS.
	i. I build viettlel 18 sites at Dar salaam zone, also follow upPAC and FAC
	ii. I build Vodacom ucaf project 11 sites -On this project I did the bellow activities I prepared working program. Tower construction as site supervisor, Solar Installation, then follow up PAC and FAC from VODACOM HEAD OFFICE
	iii. HTT Tigo Collocation project AS Project managersite surveying, site implementation. PAC and FAC Follow up
	Project manager, Tower strengthoning, general site maintance knolge. Site surveying, site implementation. PAC and FAC follow up at Helios Tower Right NOW I have knowledge of DT - Drive test, TI Projects, The only I need DT and TI is to go site and practice for a few days and become a time leader. ALSO I HAVE ALL, NOKIA HSE CERTIFICATE SEE THE CERTIFICATE BELLOW
2015-2008	Working with Fabec as site supervisor in Roads Construction-Tanroads works at Rukwa/mining construction At GGM Geita/Tower construction as a sub-contractor

4	ω	8	-	ON	¥ .
inspection	24	Planning	Surveys	Activity	2007- 2005
ii. Four	III. Sitte	Order State	Z E	Tasks	0.5
Site marking Foundation Hold Point Inspection	Safety equipment inspection Contractor site build equipment inspection Verify site drawings are on Site build material inspection Plessey equipment acceptances hy contractor. Ensure that site is build in accordance with specification Control variations Conduct e3 site visit per week miliness on site	Identify suitable sub-contractors Allocate work to sub- contractors Schedule materials deliveries obtained site files.	Take site coordinate Site Assessment, meaning road access, power roots, determining lever for retaining walls Site drawing	o Activity Tasks Suittest	WORKING WITH PLESSEY (PTY) PROJECT CONTUCTION OF TOWER quality control
i. foundation Hold Point inspection tick	Site diary Site instructions	accept site file	Complete site survey report	Out put	WORKING WITH PLESSEY (PTY) PROJECT CONTUCTION OF TOWERS, - inspection of sub-contractors plus work quality control
ii. tower erection start according to the date	Site to build in 30 days	within 1 day after receipt of client head office	As per customer request within 7 days survey done depending numbers of site	Target date	ictors plus work

7	9	- un	
General conduct	Assets	Finance	
i. Adherence to all health and safety ii. Adherence to the countries laws iii. Ensure good company governance prevail (No Bribes, Irregularities arch	(No bribes, irregularities etc) i ensure that you are in possession of safety equipment ii. ensure that your in possession of all required tools and test equipment iii. ensure good governance	Manage Field Cash Advance Ensure Good Company Governance Prevail	inspection v. Final tower inspection vi. Shelter / Electrical inspection vii. Final civil inspection vii. Provisional Acceptance Test (PAC) final acceptance Test (FAC)
 i. Compelency certificate ii. Lawful conduct jii. Professional and ethical conduct 	i. asset list ii. repot misure and/or lost assets iii.		iii. final tower inspection tick sheet iv. shelter inspection tick sheet v. electrical inspection tick sheet vi. final civil inspection tick sheet vii. completed PAC form viii. completed FAC form rev client PAT document i. expense claim
in. Continuous	i. Before brake or 2 m	to country head office	Monthly or on return

- > "Tar Epoxy coating prepare surface by sand blasting
- Apply Epoxy coating master seal Sp120
- Shutting
- Concrete casting using Degussa (Master flow 928T)

A VEA DOWN	MOCIVATION
TEARNO DOODS TO THE TEAR OF TH	(4 YEARS'S)

OBSUMMARY

- ➤ Site survey and Compilation of bill of quantities for all maintenance items required.
- Producing of Architectural drawing of the same building to show details of floor plan, elevations, Cross -

sections, roof plan, roof truss

- etc.

 Renovation of different houses General repair door's; window's Frames, Plumbing, External and
 Internal mainting researched.
- Internal painting, roofing complete by providing timber truss and fixing roofing sheets.
- > Demolishing partitioning walls and Erecting block walls as necessary.
- > Provision of grills frames, fittings louvers glasses

(2 YEARS)	1999 - 2001
Project (Mafuta house project) Benjamin Tower with Mavji Construction Company 1.td)	SITESUPERVISOR

JOB SUMMARY

- Surveying different levels & Transferring of different point to the next floor.
- Steel fixing (column) Beans, Slabs, Stairs)

- Shuttering inspection. (Columns, Slabs, Beans etc)
- Setting-out of building. (setting-out of columns, walls, etc
- Concrete casting and taking cube for testing. (Making sure all ratio mixed according to requirement of

NOTE

I have been in a course, at VENTURE RISK MANAGEMENT and successfully aftended an passed the

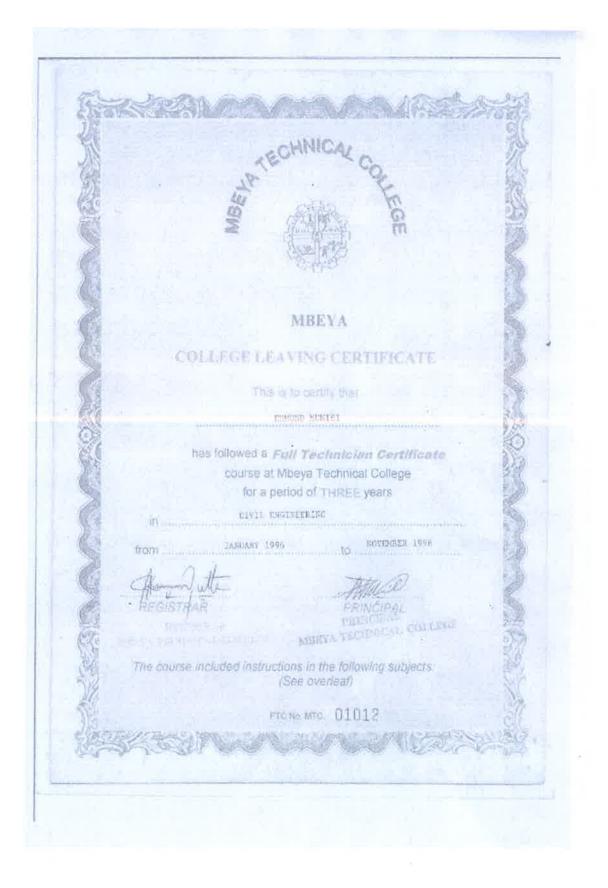
level (I) on road defensive driving.

Also I have been DAR ES SALAAM CITY COUNCIL (fire and rescue services- training Unit) and successfully completed a Also I have a certificate of first aid course conducted by TANZANIA ROAD CROSS SOCIETY

REFEREES

- INDCENT MUSH! PROJECT MANAGER PLESSEY / Right now is PM Best one Company MOBILE:0757324367 2. MAKTECH - HR MOBILE:0767 - 232 294 ACOZ MAKUNGANYA
- 3. HTT PROJECT QUALITY CONTROL 0658 - 880 151
- MANASE TWEVE MOBILE: 0754 - 710 128 VODACOM HEAD QUARTER PROPERTIES MANAGER

Yours: ...



CURRICULUM VITAE

A: PERSON	AL INFORMATION		
Surname	HAMISI	Sex	MALE
First Name	ALFANI	Marital Status	SINGLE
Dateof Birth	12/05/1989	Nationality	TANZANIAN

Street:	LEGO	
Postal address	P.O.BOX 55095	
District	UBUNGO	
Region	DAR ES SALAAM	
Cell Phone No:	0787891188	
Email:	thenduli@gmail.com	

C: EDUCATION INFORMATION				
Item No.	Date in years	Qualification awarded	Name and type of Organization providing education training	
1	2011 -2015	Bachelor Degree in Electrical and Electronics Engineering	St. Joseph University in Tanzania	
2	2009 ~ 2011	Advanced Certificate of Secondary Education Examination(ACSEE)	Same Secondary School	
3	2005 ~ 2008	Certificate for Secondary Education Examination (CSEE)	Same Secondary School	
4	1998 - 2004	Primary School Certificate	Machiga Primary School	

D: WORKING EXPERIENCE

- 1. Chemi and Cotex Industry ltd from November 2012 to 2014 as a field trainee
- 2. TANESCO in 2014 as a field trainee Engineer
- 3. Apollo international company from October 2015 to August 2016.
- 4. Central Electrical International ltd from August 2016 up September 2018 to date as site Engineer.
- 5. GOPA Contractors Tanzania Limited from September2018 to date

s/n	company	Period (From To)	Position Held	Task Involved and work experience:	
1	Chemi&Cotex Industry ltd	November 2012 to July 2014	Trainee Electrical Engineer	1.Troubleshooting electrical problem in machine using PLC 2.Designing electrical control circuit 3.Installation procedure	
2	Tanzania Electric Supply Company (TANESCO)	July 2014 to September 2014	Trainee Electrical Engineer	1.Assist in design and construction of 11K distribution line. 2.Installation of new service line to new customers. 3 Maintenance of HT transmission lines	
}	Gopa contractor ltd	October 2015 to August 2016	Site supervisor	I.Installation of alarm system in telecommunication tower C.Generator and rectifier installation power up grad in telecommunication tower	
	Central electrical International Itd	August 2016 up September 2018	electrical engineer	1.Designing of light, cable size, distribution board and sub board 2.Buz bar, Cable ladder and cable try designing and installation 3.Installation of fire detection and alarm system components like heat detectors and smoke detectors. 4.Generator and transformer installation	
	Apollo international ltd	September2 018 to date	Site Supervisor	1.building of HT and LT line 2.builging of substations	

	Speaking	Reading	Writing	
English	Good	Excellent	Excellent	
Kiswahili	Excellent	Excellent	Excellent	



UNITED REPUBLIC OF TANZANIA **ENGINEERS REGISTRATION** BOARD

Certificate

of Registration

(Under the Engineers Registration Act, 1997)

It is hereby certified that

Alfani R. Hamisi

having satisfied the requirements for registration as a



under the provisions of the Engineers Registration Act, 1997, was

registered as such on the 29rd day of August, 2019

in the discipline of Electrical and Electronics engineering

and was given registration number 5930.

Sealed and given under our hands at Dar es Salaam

this Il day of October 2019.

Registrar

Eng. Prof. N. M. Lema

Chairman

Eng. Othman 5 Khatib **Board Member**

Not valid without Hologram Sticker, photograph of the bearer and practicing



The Council of St. Joseph University in Tanzania

hereby makes known that ALFANI R HAMISI

Registration No. 117153003 has been admitted in the

Bachelor Degree in Electrical and Electronics Engineering

he / she having been certified by

duly appointed Examiners to be qualified to receive the same

and placed in UPPER SECOND CLASS

at the examination held in September 2015.

Given under the seal of the University

Place

Dar es Salaam, Tunzania

Issued on 112th May, 2016.

President - University Council

Lique medite justice fol C manuteriparation and structures when subdeng No tal

Chancellor

DETAILED CURRICULUM VITAE

Contacts: +225753445073 E-mail: fridalishem a gmail com

PERSONAL PARTICULARS

Surname: Shemsika First Name: Winifrida Date of Birth: 06th March, 1990

Nationality : Tanzanian

Place of Birth: Dodoma, Tanzania

Religion : Christian

Gender/Status : Female/Married

	Lang	mage capacity	
English	Speaking Very good	Writing Very good	Reading Very good
(iswahili	excellent	excellent	excellent

PROFESSIONAL WORK EXPERIENCE

July 2014 -To date

Title: GOPA Contractors Tanzania Limited

Activities performed:

A. Pre - contract duties

- Preparation of preliminary costs estimates
- Scratinize, review of tender drawings, documents for any discrepancies and seek clarification there to (technical auditing of structural& architectural drawings)
- Take off for all elements for preparation of Bills of Quantities (BOQ)
- Preparation of tender documents bid documents
- Preparation of contract documents
- **Evaluation of Tenders**

B. Post contract duties

- Preparing and agreeing payments applications/valuations so that payments is received in accordance with terms and conditions of contract
- Preparation and compilation of variation claim documents
- Attend progress meetings and provide updates to client, site visit and when required monitor progress.
- Prepare payment application/progress payment claim against value of work done for measured work, variations and any re-measurements.
- Prepare financial appraisal



ARCHITECTS AND QUANTITY SURVEYORS REGISTRATION BOARD CERTIFICATE OF REGISTRATION

This is to certify that Shemsika Winifrida

Is registered as a Quantity Surveyor

With registration number QL 371.445.02/17

In accordance with the provisions of the Architects and Quantity Surveyors (Registration) Act No 4 of 2010.

In witness whereof the common seal has been affixed hereto on this day of 2rd February, 2017

Amt Controlling

Member

Registras

Registrar

This certificate is held subject to the provisions of the By-laws made under the Act.

No: CO. 1369



ARDHI UNIVERSITY



This is to certify

Winifrida Shemsika

having satisfied the requirements for the award of the

BACHELOR OF SCIENCE IN BUILDING ECONOMICS

Upper Second

was admitted to the degree at a congregation held in DAR ES SALAAM, on the

Je the day of Freender

on the your June Thousand and Frantier







BSBE SUBSEL





GOPA CONTRACTORS TANZANIA LIMITED
P.O.BOX 33259, DAR ES SALAAM
Phone: +255 688 910 000 / +255 713 265 000
Website: www.gctl.co.tz Email: gopagg agmail.com, infoagctl.co.tz

EQUIPMENT AND PLANTS

S/No.	Item of equipment	Description, make, and age (years)	Condition (new, good, Poor) and number available	Owned, leased (from whom?) or to be purchased (from whom?)	
1	Concrete Mixer	2009 & 2011	Good	Owned Leased	
2	Plate Compactor	2007	Good		
3	Ingle Grader	2018	Good	Owned	
4	Pick Up	2010	Good	Owned	
5	Truck	1999	Good	Owned & leased	
6	7 Tons Lorry	2011	Good	Owned & leased	
7	Poker Vibrator	2012	Good	Leased	





Hematec Investment Limited

Plot 508, Block C, No. 275 Sinza C P. O. Box 34078 Der es Salaam Office #: +255 222 46 18 95 MOBILE: 0759487205 / 0753982824

Elfail, Email: info@hematec co.ta:

Website was hemetec.com

04th January, 2022.

To: Project Manager, Mirembe National Hospital and Mental Health P.O. Box 910 Dodoma

Dear Sir/Madam.

RE: PROVISION OF LABOUR, EQUIPMENTS AND PRELIMINARIES WORKS FOR CARRYING OUT PROPOSED CONSTRUCTION OF EMERGENCY MEDICAL DEPARTMENT (EMD) AND INTENSIVE UNIT CARE (ICU) BUILDINGS FOR MIREMBE NATIONAL HOSPITAL AND MENTAL HEALTH LOT 1 AND LOT 2, TENDER NO. ME/007/2021-2022HO/W/26

Sub: Lease of Equipment's

Refer to headings above.

We HELMATEC INVESTMENT LIMITED of P.O.Box 34078, Dar Es Salaam have reached an agreement with GOPA CONTRACTORS TANZANIA LIMITED of P.O.Box 33259, Dar Es Salaam to lease our equipment's listed below for the purpose of executing the above mentioned projects until completion of the project works:

No.	Equipment Type and Characteristics	Minimum Number required
1	Concrete Mixer	1
2	Plate Compactor	1
3	Ingle Grader	1
4	Pick Up	1
5	Truck	1
5	7 Tons Lorry	1
7	Poker Vibrator	2

Thank you for your enoperation.

l'ematec

Yours Sincerely,

HERIEL MUHULO

MANAGING DIRECTOR

Aim at excellence speed and quality

PROPOSED CONSTRUCTION OF EMERGENCY MEDICAL DEPARTMENT (EMD) FOR REGIONAL REFERRAL HOSPITALS FOR MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN

TYPICAL NOTES

- 1. The drawing should be read in conjunction with respective artificial in drawing.
- 2 For discrepancy refer to Structural Engineer for reconciliation.
- Concrete for R.C. work shall be Grade 25 in Footings and columns, 20 Merm² for beams and stabs – Nominal volumetric proportion shall be 11.5.3 and 12. 4; respectively, cube strength not less than 25 Nimm² and 20 Nimm² within 28 days.
- Reinforcement of plan round but rolled mild steel with a minimum yield stress of 250 Nimm" shall be used for all links.
- Reinforcement of hot rolled high tensile deformed steel bars with a minimum yield stress of 460 Nimm' shall be used for all main bar reinforcement.
- 8 Concrete for strip wall foundations to be grade 20 Nominal voluments proportion 124 cube strength of not less than 20 Nihm³ within 28 days
- A leveling course of 50mm thick with a concrete grade 10 of 1.4:8 nominal volumetric proportion, shall be given under all column bases and strip footings.
- 8. Clear cover for concrete shall be as follows: -

Slabs and walls ... 20 mm.

Beams ... 25 mm for main reinforcement.

Columns 30 mm for links.

Foundations ... 50 mm.

- Concrete blocks used for load bearing walls shall be of concrete grade 10 with cube strength not less than 10 N mm² on dement -sand mortar.
 All blocks used for load bearing walls must be cured for 28 days.
- Concrete blocks used for other than load bearing waits can be of concrete grade
 Nominal volumetric proportion of 1.4.3 with cube strength of not less than 25 ags, on cement. Ilme, sand montar of 1.3.5 by volume. All blocks used for block work must be at least 28 days.
- Timber used for structures to be podo or inflambara or cypress or ceder-seasoned with moisture below 16%, in case of use of other kinds of firther than the Structural Engineer's approval is required.
- 12. Timber used for structures to be treated with pressure impregnation.

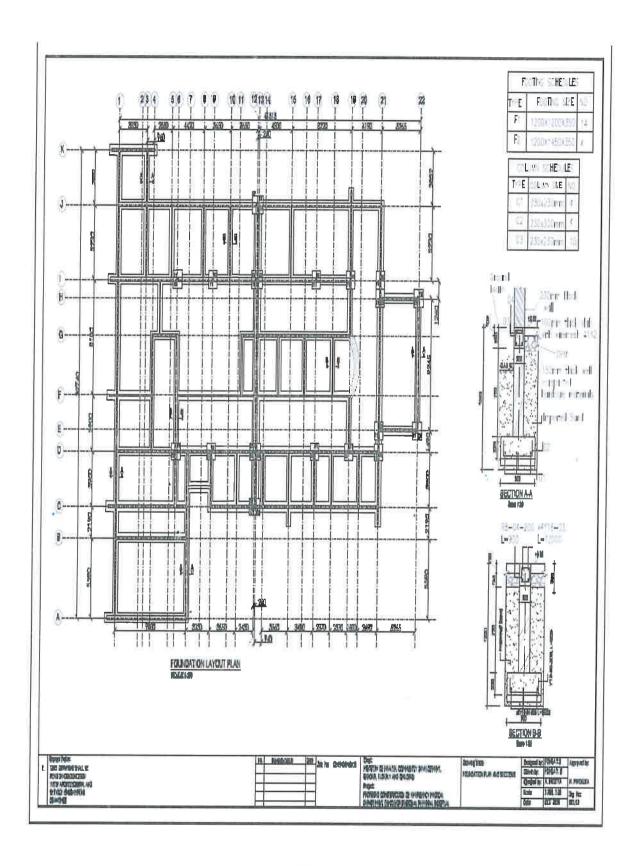
- The depth of setting foundations depends on the site conditions and may be adjusted according to Structural Engineer's instructions.
- Material for hardcore should either be Hard stone or coral stone sizes varying from 100 mm to 40mm.
- Material for aggregate shall be granite supplied from any other source as approved by Engineer Sizes to be 12.5 mm for columns, states, beams and staircase. 19.0mm for Foundations

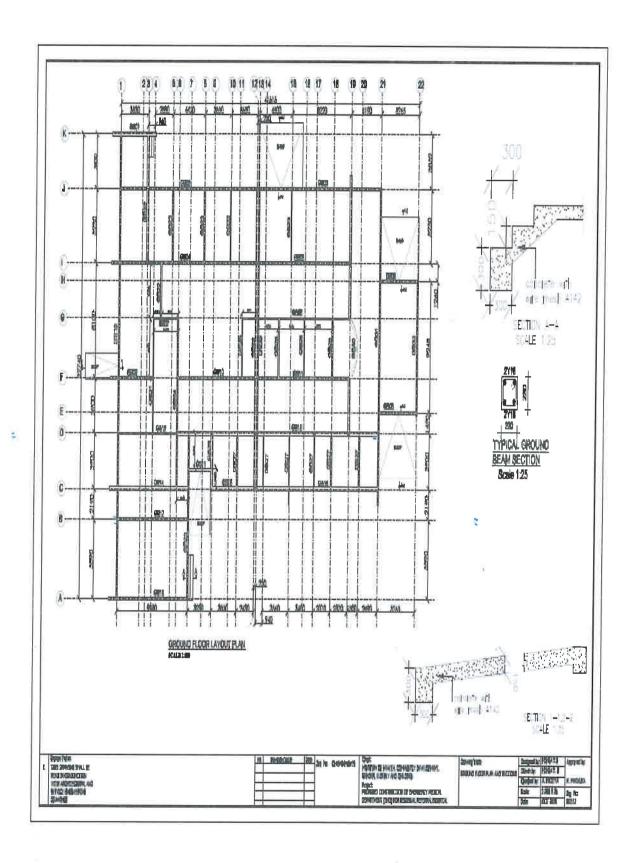
309/12

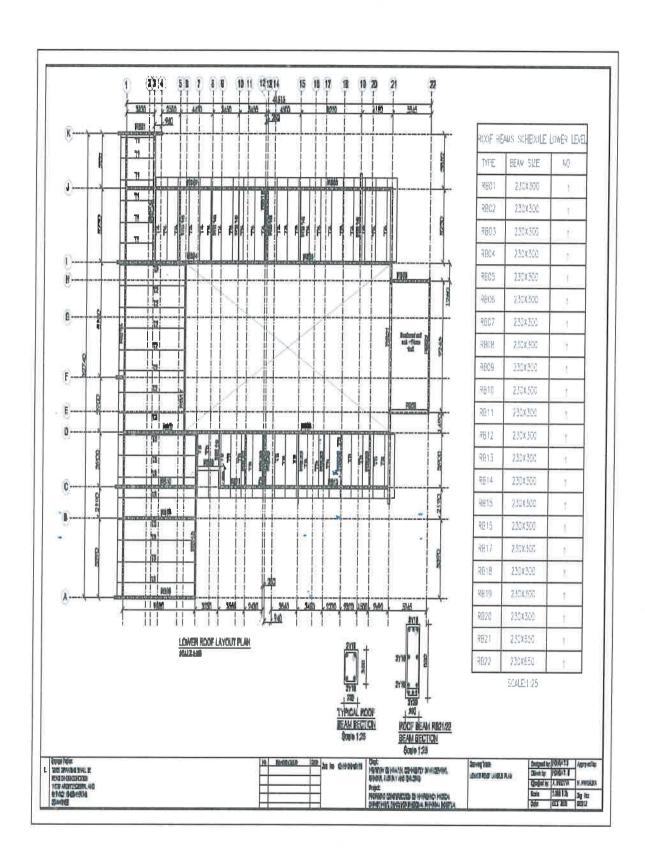
PROPOSED CONSTRUCTION OF EMERGENCY MEDICAL DEPARTMENT (EMD) FOR REGIONAL REFERRAL HOSPITALS FOR MINISTRY OF HEALTH, COMMUNITY DEVELOPMENT, GENDER, ELDERLY AND CHILDREN

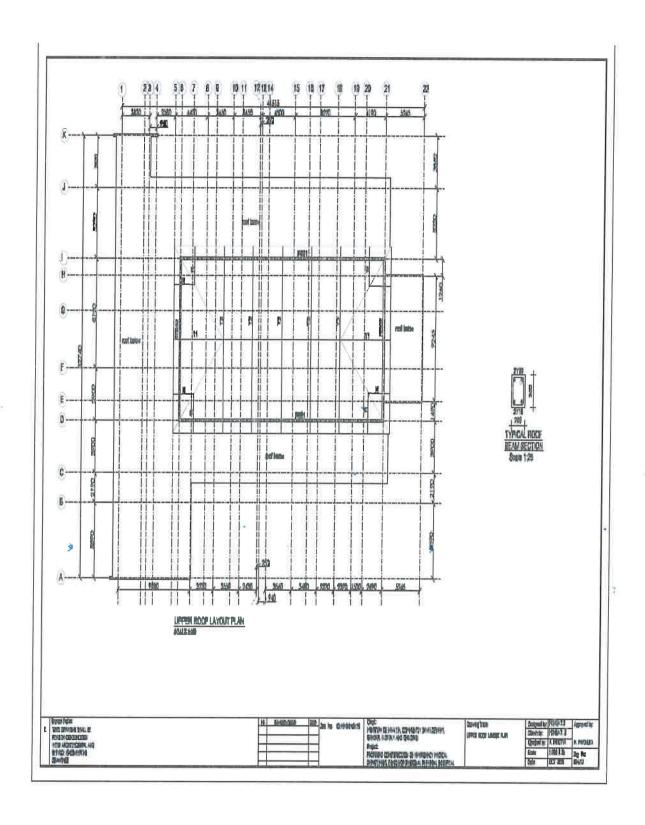
LIST OF STRUCTRUAL DRAWINGS

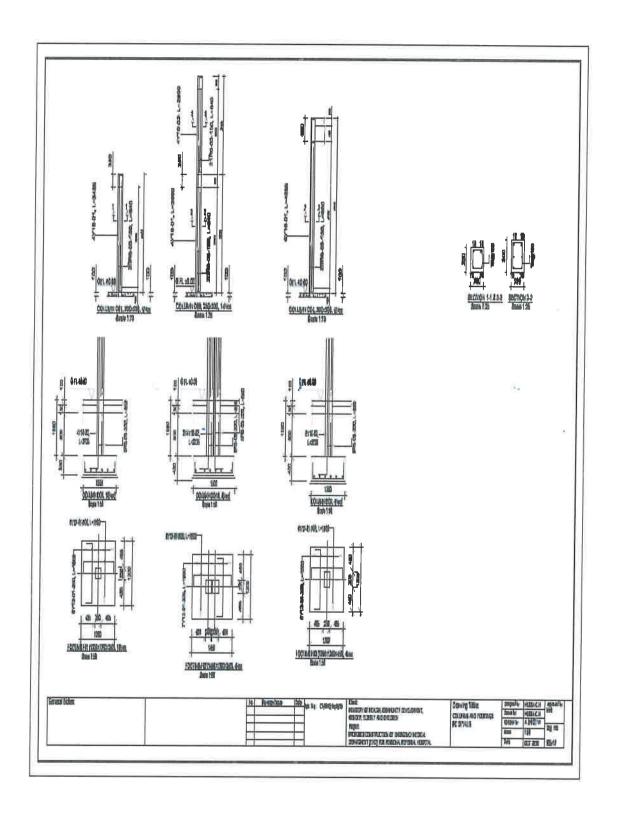
01. FOUNDATION LAYOUT PLAN	S01/12
02. GROUND FLOOR PLAN	S02/12
03. LOER ROOF PLAN	
04. UPPER ROOF PLAN	
05. COLUMN FOOTINGS AND COLUMNS RC DETAILS	S05/12
08 ROOF SLAB R.C DETAILS BOTTOM AND TOP BARS	S06/12
07. LOWER TRUSS ELEVATIONS	
08. TRUSS ELEVATIONS	S08/12
DR. UPPER ROOF TRUSS AND CONNECTION DETAILS	509/12

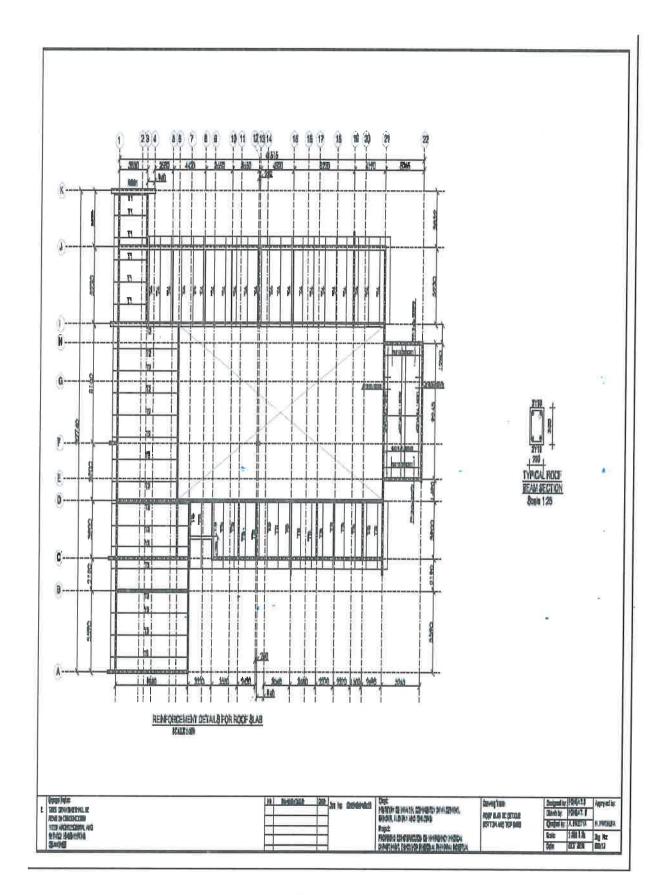


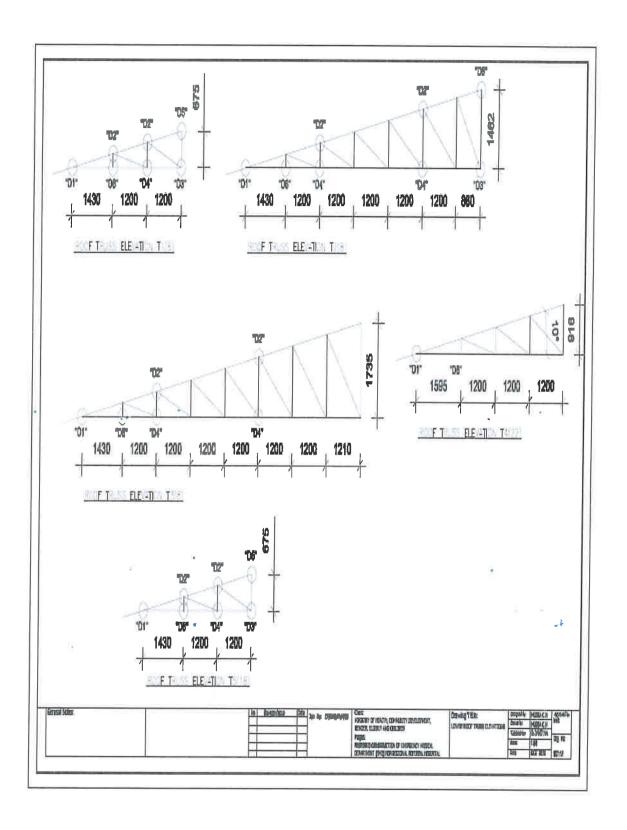


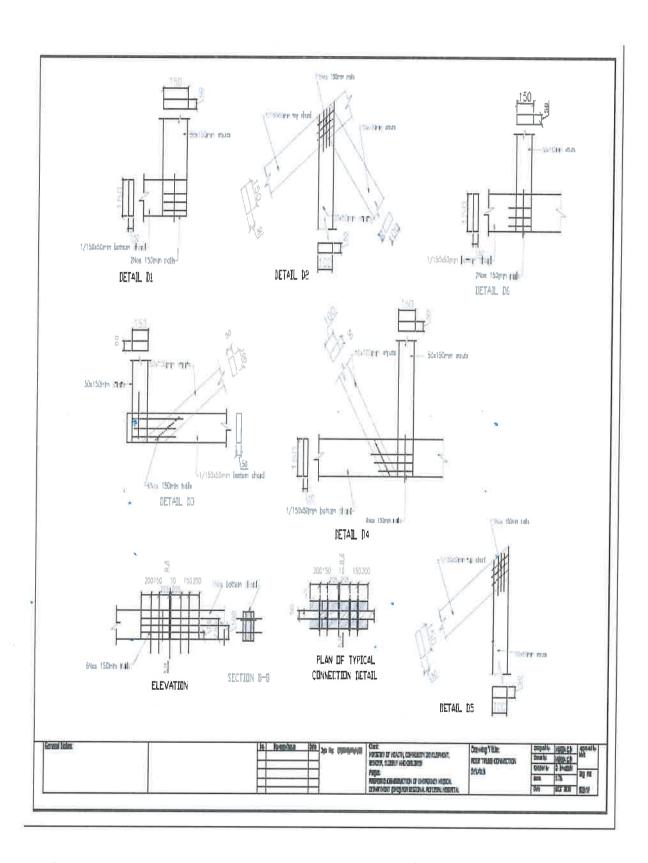


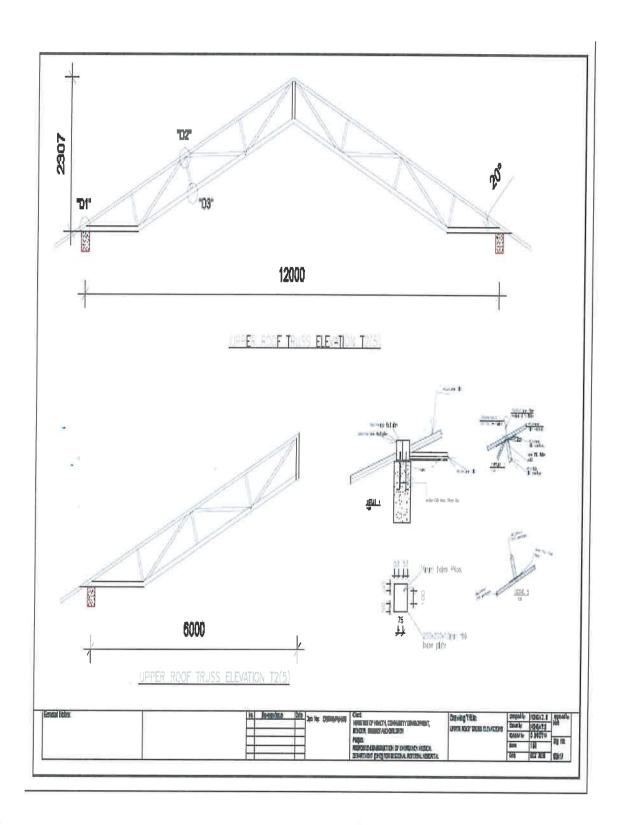












PROPOSED CONSTRUCTION OF EMERGENCY MEDICAL DEPARTMENT(EMD) FOR GENERAL REFERRAL HOSPITAL.

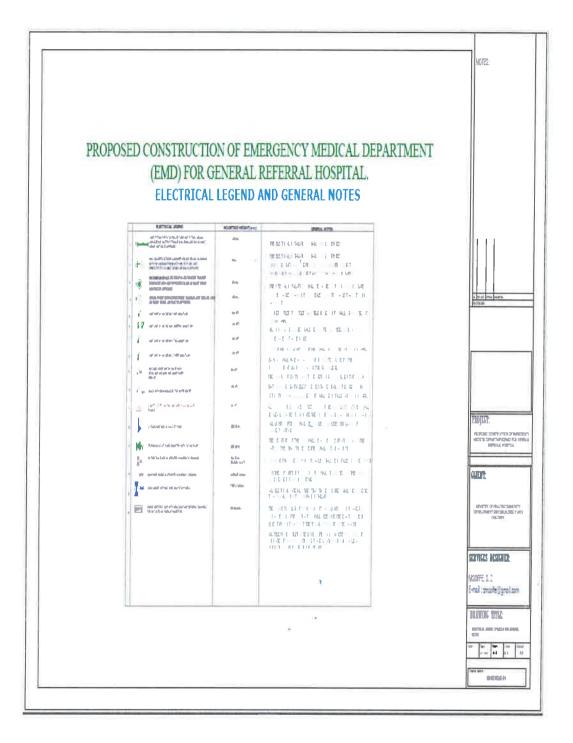
ELECTRICAL, FIRE ALARM SYSTEM, ICT SERVICES DRAWINGS

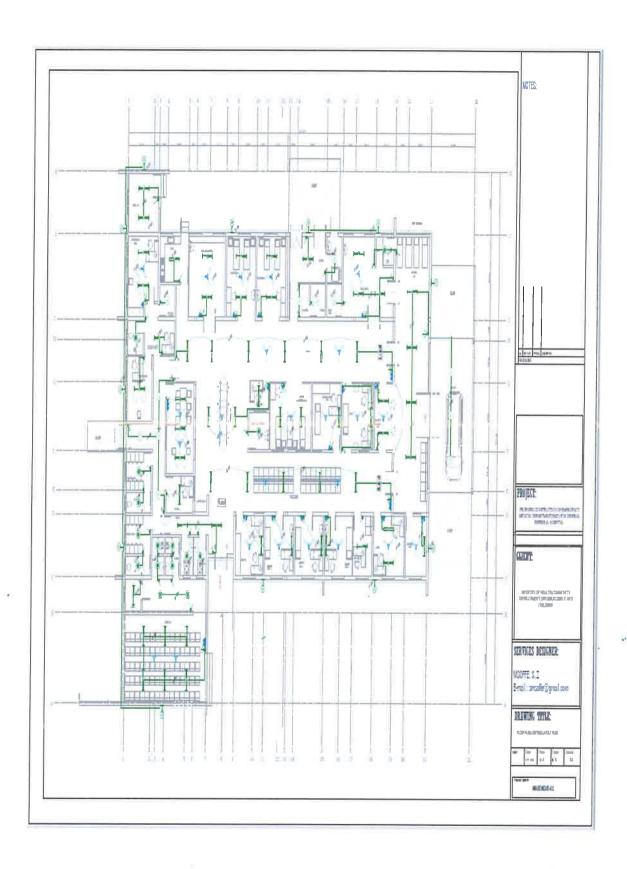
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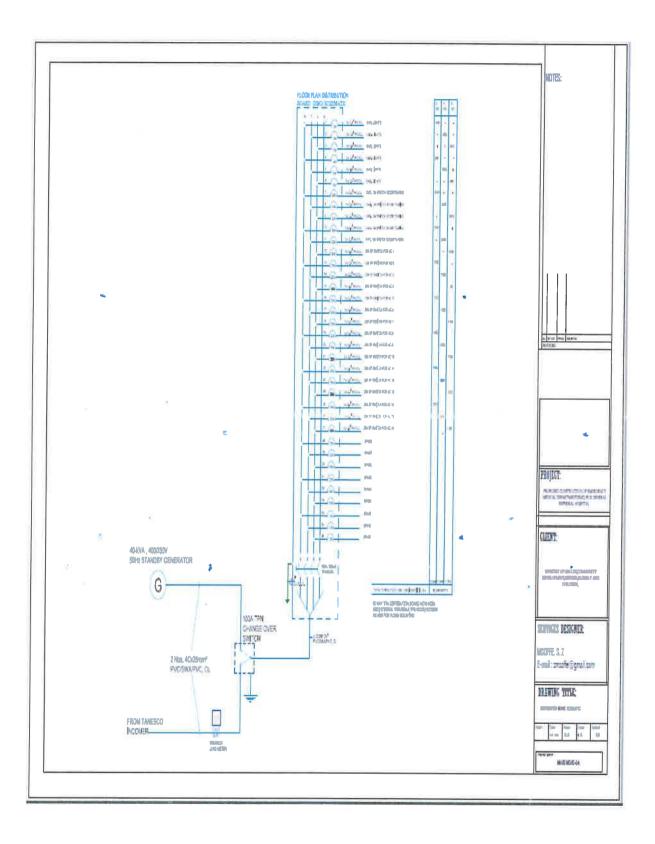
MECHANICAL SERVICES DRAWINGS

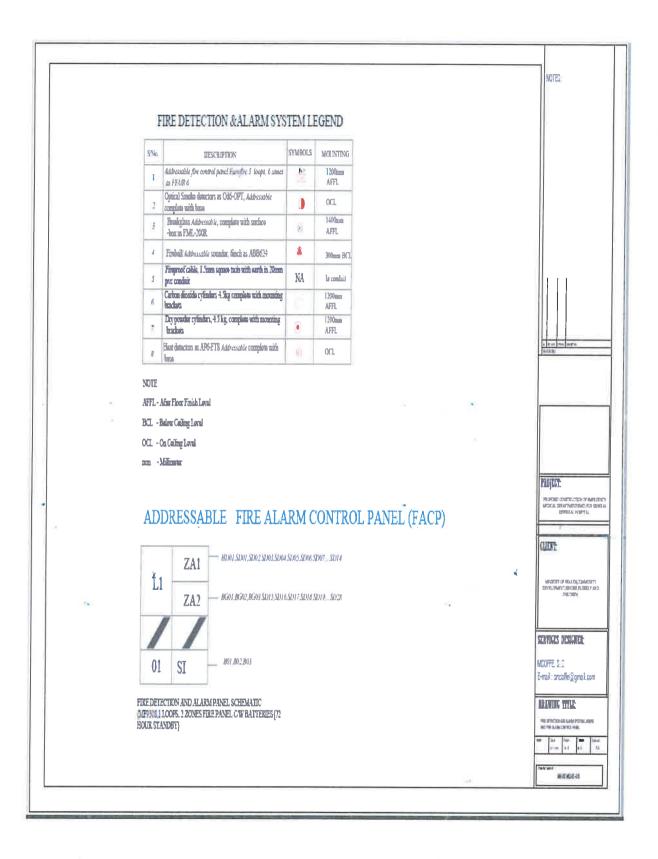
CLIEFT:

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

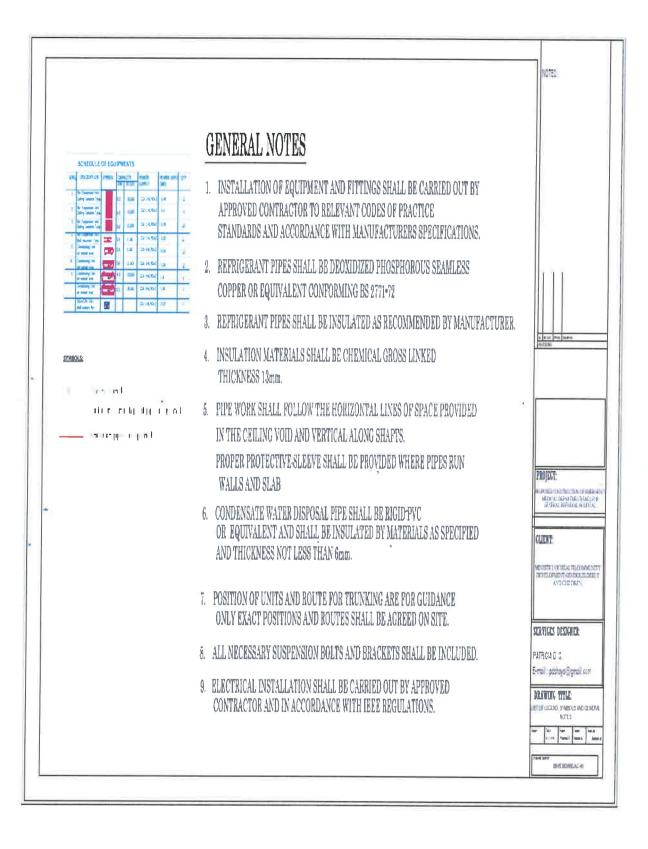


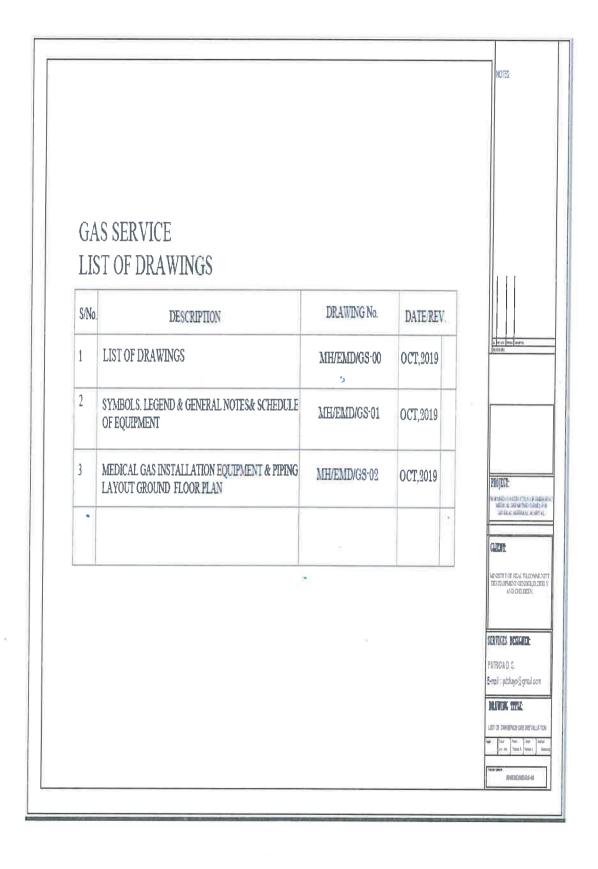


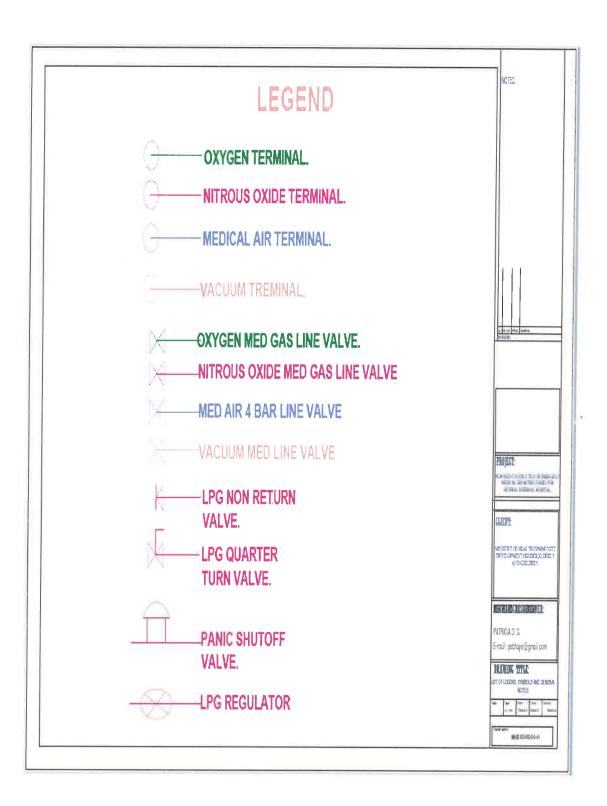


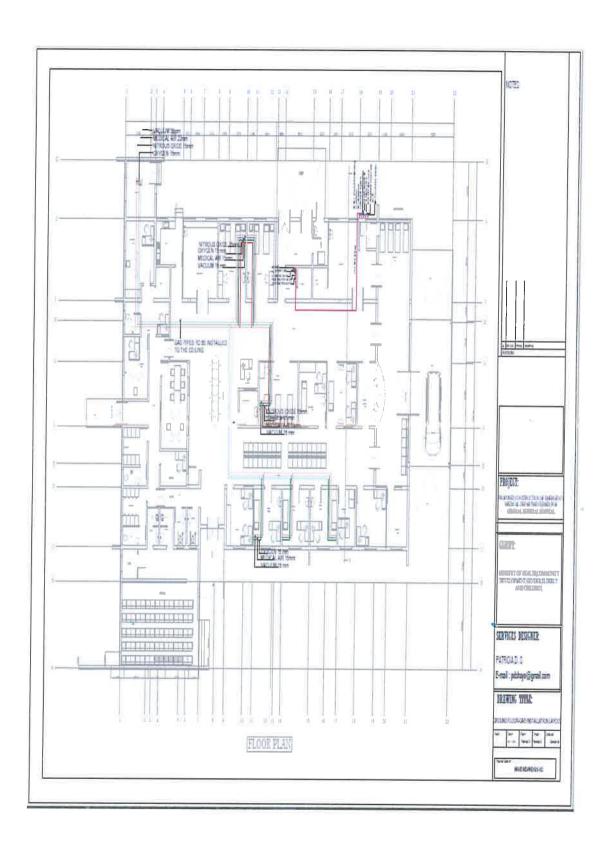


AIR CONDITION SERVICE LIST OF DRAWINGS DRAWING No. S/No. DESCRIPTION DATE/REV. 1 LIST OF DRAWINGS MH/EMD/ME-AC/00 OCT,2019 SYMBOLS, LEGEND & GENERAL NOTES& SCHEDULE MH/EMD/ME-AC/01 OCT,2019 OF EQUIPMENT AIR CONDITIONING EQUIPMENT & PIPING LAYOUT MH/EMD/ME-AC/02 -OCT,2019 GROUND FLOOR PLAN POR ONE COM FINE FOR SERVICE STATE OF THE SERVICE SERV WITE PERIO FATRICAD.S. E-mail: pdshayo@gmail.com DIANK ME

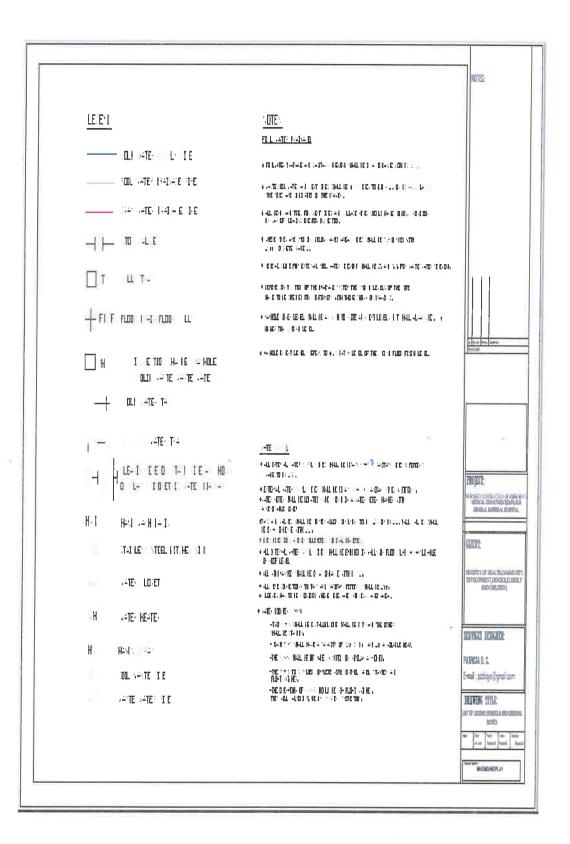


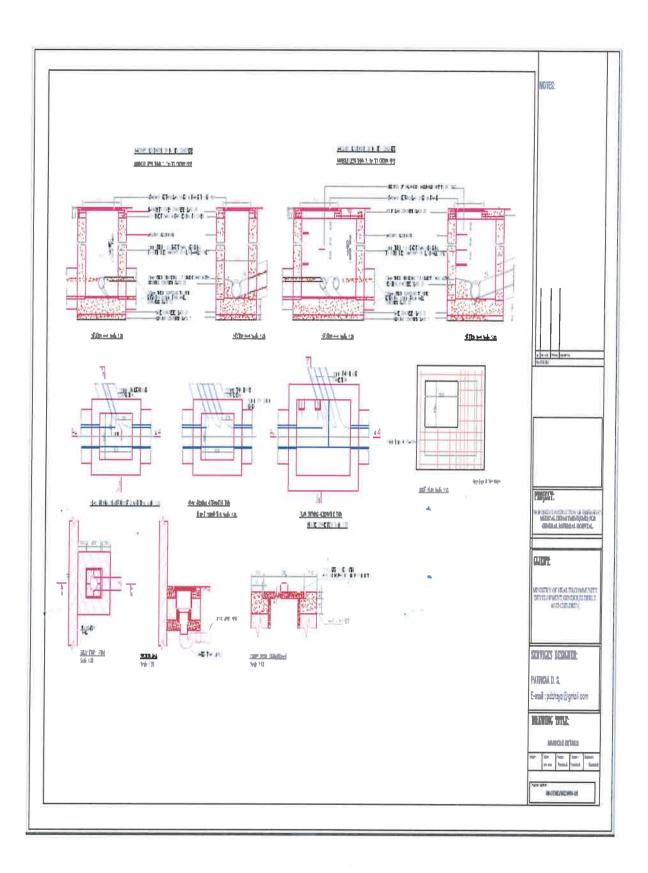


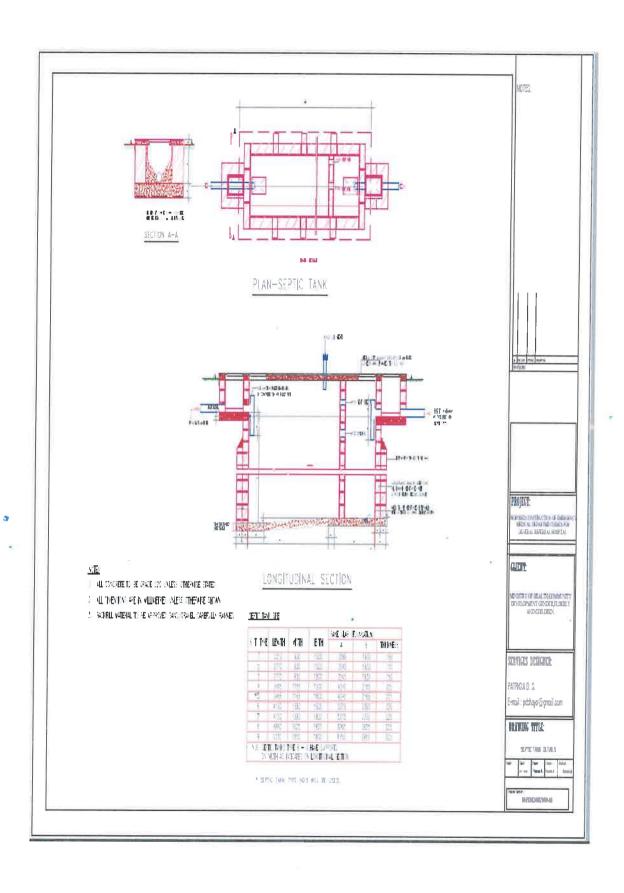


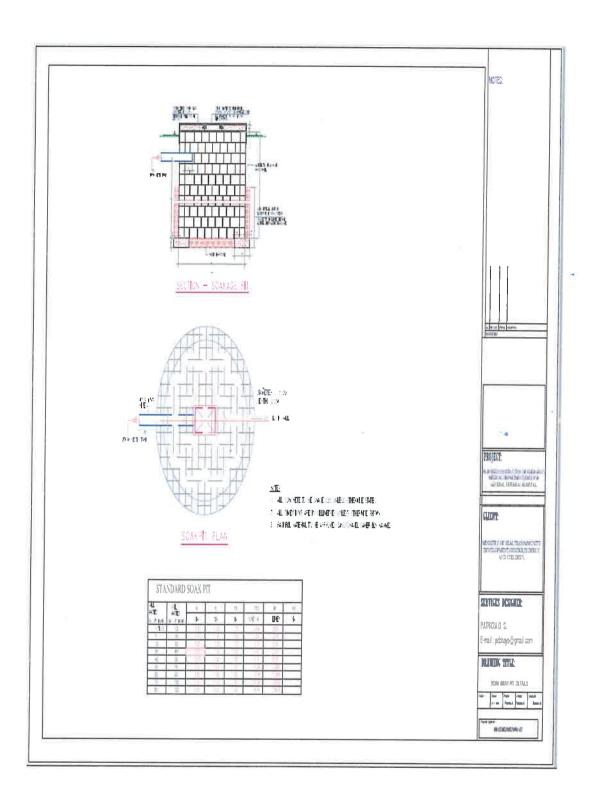


ME PLUMBING SERVICE LIST OF DRAWINGS S/No. DRAWING No. DATE REV. DESCRIPTION LIST OF DRAWINGS PLUMBING MH/EMD/ME-PL/00 OCT.2019 SYMBOLS, LEGEND & GENERAL NOTES& SCHEDULE MH/EMD/ME-PL/01 OCT,2019 OF EQUIPMENT 3 WATER SUPPLY LAYOUT GROUND FLOOR PLAN OCT,2019 MH/EMD/ME-WS/02 WATER SUPPLY LAYOUT UNDERGROUND TANK OCT.2019 MH/EMD/ME-WS/03 DETAILS WASTE WATER LAYOUT GROUND FLOOR PLAN OCT.2019 MH/EMD/ME-WS/04 MILL MANHOLE DETAILS OCT.2019 MH/EMD/ME-WS/05 ENSELT OF TRACE TRACE PARTY TO SERVICE OF TRACE PARTY AND GENTLY SEPTIC TANK DETAILS OCT,2019 MH/EMD/ME-WS/06 8 SOAK AWAY PIT DETAILS MH/EMD/ME-WS/07 OCT,2019 Ermit pedagoğumları BLUE THE









SCHEDULE OF MATERIALS FOR CONSTRUCTION OF EMERGENCY MEDICAL DEPERTMENT (EMD)

	DGEC		Proposed F	MD Bi	ock at Regional I	Referral Hospital
	SCH	EDULE OF MATERIALS FOR CO	NSTRUCTIO	N OF E	MEGENCY ME	DICAL DEPERTY
	ž.	DESCRIPTION	MD) SCHEDI Q1Y	UNI UNI		AMOUNT
	ELEMENT N	O.I- SUBSTRUCTURE				
1	A 200mm hardeo	re stone - (4.5 m3 Larry)	11	Traps	225,000/	9,675,000
F	3 Sand blinding a	1.5m3	9	Lups	15752/	1,417,500/-
	sint sterrhzation	n over hardcore bed.	10	Cliup	18,000/=	180,000
Đ	Earth filling sel compacted in 30 under the floors	ected imported pure sand; well dumn thick tayers; to make up levels (4 5m3) Trip	20	Erge	135,00)=	2,700,000=
¥	Load up surplus site	excavated materials and remove fro	20	Diopic	135,000)=	2,700,000
	CONCRETE M 50mm blinding	The state of the s				
Ű	150 Kgs	42.5	1-1-7	Baga	13,000)=	1,962,004
G H	sand 4.5m3 trip					
ľ	aggregates (1/2"		(0)	Trips:	382,000+	3,829004
	Plata concrete g 150mm over site	rade *20% (5254) bed				
K	cement - 50 Kgs -	12.5	1,194	Barre	18,000/= 2	21,492,000
1	sand 4 5m3 trip		10 7	Title	157,502/	2,992,5004
M	aggregates, 1/2"				322504	
	Reinforcement					

Fabric reinforcement to BS 4483 ref. A252 weighing 3.95 kg per square metre laid in bed and ramps



MOHEDER

Proposed f MD Block at Regional Referral Hospital

311	DESCRIPTION Reinforced concrete grade 20 to:- Ground beams	017	UNII	PRICE	AMOUNT
	cement - 50 Kgs 42.5	216	Bags	12,000)=	3,288,000
В	sand	3 36	Trips	157,500/2	529204=
C	uggrega(cs-3/4"	6.72	Trips	Comment of the commen	2,579904
D	V16 Reinforcement bars;12 menes long	190	N _i		9,55200
1	YS Rest in content but; (15 metre) long	205	Sec.	24,504	7,020,000
1	Hutalis granders	15	K.	4,000/-	60,000
G	Commissiones & starter commission in 50 Rgx 12.5	36	11	18,000/=	643007
В	sam.L	11.55	nge.	157,582	88,200/=
1	AVSTOCKBON 3-4"	4 72 3	ne J	322,58/	428404
	Reinforcement hars:12 metres long				
	Y127 information base? magazinate	10		25,000/=	1,000,004
K	YNRe afore ment on st12 merces long	25	. 4	24,000)=	604004=
1	Briding wires	6 K	25	4,000/=	24,000/=
	Walling				
ì	Solid to rejecte blocks to B \$ 2008 (ype f y hedded				
V.	and jointed in coment and sand mortal (1:4)		1	4	
1	Social and sind block 5Mpa (23 man mick) block making normal	5.530 No	. 11	700/= 1/4	+,495,900/L
	COLUMN 50 Kgs 42.5	244 (Ba		8,000 = 4	
. [
	and	8 Tri	ps L	57,5001=1	1260,180/=
	SIK ALL X PROTTIPASON ATTOM OF VETO:				
2	Apanso in joint scalain applied in according to land tetare.'s specifications to 150mm deep concess.	97	2	01000= 5	49,000/=
	Lab				
P	age No. 1'1/2		tsh	47,	156,100/-

1310



				~	The state of the s
FFE	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT
	Damp Proof Courses				1
-4	DPM Sheets 1000gauge	877	M-	3500/=	3,069,500/=
В	dpc (230mm wide	34	Roll		4,080,000
C	Allow cost for construction of reinforced ramps as per project manager's instructions	4	No	7,425,000	29,709000
D	15mm thick plaster to plinth level (1:4) cement - 50 Kgs 42.5	15	Bags	18,000/-	274004=
Е	sand for mortar	10.5	trips.	157,500/:	78750/=
F	4lts black bituminous paint	8 4	Ltis Fin	30,000	240,004
	Furmwork				
15	Ex8"v3 Sm express or other approved	J00 N	2	20,000 =	6, vaguest
H.	2×4"x3.5m struts	1000			700,004
i	props	50' N	C)	4,500/=	2750002
Ţ	Marine boards - Bamboo (9mm thick)	50	. 1;	79000=	3,504080/2
k	Assorted mais	50: N	4	3500/=	175000/=
L	To Collection				
1	Page No. 1/1/3		Tsi	hs. 2	48,038,201=
(DLLECTION			Į.	
þ	age No. 1/1 1		Гsh		7/20-
P	age No. 1/1/2		Tsh	1 7	14,335,5001=
					47,156,1001=
12:	age No. 1-1-3		Esh	. 4	18,438250/=
re	OTAL SUBSTRUCTURE TO SUMMARY			16	69,529,880=

EMD=3



TEN	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT
	ELEMENT NO.2- SUPERSTRUCTURE				
	FRAMES Reinforced concrete grade 20				
	Ring beams, Columns and Horizontal suspended Stab				
Α	cement = 50 Kgs 42.5	534	Bags	12,000/=	9,412,000
В	sand	8	Trips	157,504	1,260000
C	aggregates- 3.4"	16	Trips	382,104	L 6,120,000
	High yield hot rolled deformed steel bar to B.S. 4449:1969				
D	Y12 Reinforcement buts 12 metres long	318	Sir	25,000/=	7,950,004 5,232,004
1	Y8 Reinforcomein bars:12 metres long.	243	No.	24,000/=	5,832,004
F	binding wires	30	Kgs	4,000 =	120,000/=
	Walling Solid concrete blocks to B.S 2028 type 'A' bedded and jointed in cement and sand mortar (1:4)				
3 (t	"concut and saud blocks 5Mpa (230mm thick)	18,876	No.	17001=	32,089,200
Į	dock making mortai				ř.,
I e	ement - 50 Kgs 42.5	530	ings	180001=	9,702,000)= 2,835,000=
(s	and	18/1	ops /	57,500/=	2-235,000=
S	Valling olid concrete blocks to B.S 2028 type 'A' bedded and jointed in cement and sand mortar (1:4)				
6	cement and sand- 5Mpa (150mm thick)	2.763 N	0 1	700/=	4,697,1001=
	lock laying mortar ratio (126) ment - 50 Kgs 42.5	.39 B	ugs /	8,000/=	4,697,100= 1,422,00d=
sa	nd	3 Ph	ips /	57,500/=	472,504=
Pa	ige No. 1/2/1				82/11/700/=

EMD 4



				H	
TEN	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT
	CONCRETE WORK Precast concrete grade "25" including hoisting to position, bedding and pointing in cement mortar (1:4)				
A	12mm diameter mild steel bars. Suun diameter mild steel stirrips at 300mm centres and finished rough all	110	M	9,00=	1,07,000=
	Citts				
В	280 x 80mm; weathered once, throated once; reinforced 4 No. 12mm rolled nuld steel bars, 8mm diameter mild steel links at 250mm centres; finish fair off top, two faces and part soffits.	148	M	8,000/=	1,184,000/=
	Pre cast concrete grade "25" louver block BS_ 2028 type "A" bedded and jointed in cement mortar (1:4)				
œ.	200mm Wall built fair and flush (for waiting area, medical gas and power room)	167	M	35,000/=	5,84500/=
D	Raking cutting; 230mm block wall	\$7	AL	1007 =	37,000=
	Materials in caves filling: 230mm wide, 500mm high extreme including splay cutting.	8.1	M		1,620,004
	Page No. 1/2/2			Tshs ₀	9,817,000/
	COLLECTION				
	Page No. 1/2/1			l'shs.	82,11,700
	Page No. 1/2/2			l'shs.	9,817,004
	TOTAL SUPERSTRUCTURE TO SUMMARY			18118	91,924,800/-

EMD - 5



		1	1	Í.	
111	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT
	ELEMENT No. 3-DOORS				
	Joinery Solid Core Flush Door to meet manufacturers' requirements as approved by the Project				
	Flush doors				
	40mm thick Solid Core Flush Door; equally divided, comprising on both sides; 150mm metal kick plate at the bottom; 125mm metal bamper plate at the intermediate; top panel with slit having 6mm thick clear sheet glass faced both sides; styles and rails with approved hardwood timber quality; 4mm exterior quality plywood; 12mm hardwood lipping glued with approved adhesives, pinned on all edges to Project Manager's instructions				
A	Ditto: Door size 1500x2500mm; Double Swing with SLI1 3	12	No	980/00X=	19809004
В	Ditto; Door size 2000x3000mm; Double Swing with SLIT 3	j.	No	1,109001=	1,100004=
·C	Ditto; Door size 900x2500mm; Double Swing with SLIT 3	4	No	500,00d=	2,000,000f
D	Ditto, Door size 1000x2500mm	1 yr	No	610,000	CACIODE
Е	Ditto, Door size 900x2500mm, ditto	34		500,000/-	
	Frames and the like; Prime Quality sawn hardwood Mninga or Mkongo; door frames, transoms with one labour; fillets, glazing and grounds;				
F	45 x 150mm Frame	430	M	4,000/=	1,920,000}
G	45 x 150mm Transome	66	М	4,000 = 1	264,20
	Page No. 1/3/1		r	shs.	3,494,804

EMD - 6



1		1	i i	Ì	1
ITE	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT
A	45 x 150mm Mullions	52	M	4,000=	208,000)=
B	15 x 45mm Moulded Architrave	894	М	2,000/=	
C	40 x 15mm Sprayed glazing beads	208	М	500/=	/
D	15 x 100mm Grounds, plugged	(n0	М	4,000/=	649,004-
	Glazing Smm Thick polished clear plate glass				
E	Panes over 0.10 but not exceeding 0.50 square metres	42	M	85,00x	3,570,000
	Ironmongery				0
F	Three levers mortise lockset complete with furniture	52	No	80,000/=	4,160,000
G.	Toilet mortise lockset; indicator bolts or any other equal and approved quality, complete with furniting	8	No	Account to the same	640,000/=
11	150x28pmi Aluminium stainless steel brass butt hinges	156	Pis	15,000 =	2,340,000
1	38mm diameter, rubber floor mounted door stopper	44	No	20,000	8890024=
- 3	Automatic Overhead door closer	39	No _	160,000	6,240,000
K	Hydraulic door closer hinges for double swing door	14	No _	360,000=	5,040,000
L	Name plates on doors; 'Gibbons' card holder with side entry; sample to be approved	52	No 3	35,000/=	1,82900
V .	Signage to all potential areas; to be identified by users; (sample to be approved)	52	No .	35,000/=	1,820,004
	Page No. 1/3/2		T:	shs. 7	19, 256,000/=

EMD - 7



ITE	M DESCRIPTION	QTY	UNI	PRICE	AMOUNT
	ELEMENT No. 4- WINDOWS				
	ALUMINIUM WORKS Supply and fix 100mm Natural Anodized Aluminium framing to pattern; neoprene gasket for bedding nylon brusher at the head; and rails and stainless screws approved by the Project Manager, including mosquito gauze and 6mm thick single glazed glass (either clear or frosted glass as shall be determined by the location usage); bedding in approved compound and fixing to concrete background; including all necessary accessories, ironmongery, cutting and pinning lugs and bedding frame in cement mortar				
	(Note: To be executed by the Proven Specialist				
•	Contractor)				
Α	Window size 1600 x 1250mm overall height	24	No	300,000	7,200,000=
В	Window size 1200 x 1500mm overall height	12	No	279004	3240,000/
e C	Window size 900 x 900mm overall height	6	No	122,004	7,20000= 3,240,000= 732,000=
D	Window size 1800 x 1200mm overall height	18	No	The state of the s	5254,000=
E	Window size 2400 x 1500mm overall height	ı	No	540,000	
	METAL WORKS Supply and fix mild steel grille comprising of Rectangular hollow section 38 x 38mm framing, 5 x 40mm flat bar welded to framing at 148mm centre cross grid to an approved pattern; complete with rust resistant hardware; including fixing to concrete or block work;				
E	size 1500 x 1500mm overall height	(1)	No	202,500=	3,847,500 = 864,500 =
G	size 1200 x 2000mm overall height	4	No	216,000	864,000=
Н	size 900 x 900mm overall height	7	No	73,000/-	511,000=
	TOTAL WINDOWS TO SUMMARY			I shs.	22,784,500



MOHCDGEC

į i		c stale i		PRICE	AMOUNT
ITEM	DESCRIPTION	QTY	UNIT	PRICE	AMOO.VI
	ELEMENT No. 5- ROOFING				
	Roof covering Roofing; 28 gauge pre-painted green or any approved Colour with Resin Coated FT 5 troughed AluZine sheets; single length; supplied by Aluminium Africa Ltd, or equal and approved; fixed in accordance with the manufacturer's printed instructions				
	Coverings; flat or sloping not exceeding 45 degrees from horizontal; fixing to timber at 500mm general spacing with 16 Gauge galvanized roofing nails complete with galvanized steel and bituminous washers	953	M2	30,800=	28,599,088/-
В	Accessories in Gauge 28 Resin Colour coated Aluminium sheet to match roofing, fixing with drive screws to sheeting: ridge capping, 550mm girth, three times bent maied to battens, twice fixed at 450mm centies	81	VI	20,00/=	1,62000=
c	hip capping: 550mm girth; three times bent; nailed to battens, twice fixed at 450mm centres	56	M		1,120 cod=
D	valley gutter; 550mm girth; three times bent; nailed to battens, twice fixed at 450mm centres	43	M	20,000/=	869000/
	Roof structure Sawn softwood pressure impregnated with				
E	preservative 50 x 150mm Rafter	1,607	M	3,000/=	4,821,000=
F	50 x 150mm Ceiling joist, king posts, & struts	2,215	M	3,000=	6,645,004
Cı	50 x 75mm Valley rafter	65	M	2,000=	130,00d=
H	50 x 100mm Wall plates	625	M		1,750,000
1	50 x 75mm Purlins	1,096	М		2,192,000/
Ţ	50 x 100mm Members of roof truss	142	N1	2,800	397,600=
	Page No. 1/5/1			Tshs.	48,125,000



MOHCDGEC

ITEM	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT
	Carpenter's metal work	36	D.	20150/=	126,000=
Α.	R4 wire	.10	res	33001	
	Roof Water Slab water-proofing & flat root areas				
	Tropical High performance Approved by the				
	Project Manager roofing felt; First laver Tropical V: Second layer Tropical TNT; finished				
	with aluminium paint; all laid by an approved				
	specialist in accordance with manufacturers printed instructions (To be done by a Specialist)				
	two layer covering; over 300mm girth; to falls or cross				n Els'ann
В	falls or sloping not exceeding 45 degrees from	57	SM	45,000=	2,565 and=
	horizontal				
	EXAMINATED INMARKATION, pipe WOLK, FLANCAS- UPVC pipes and fittings; heavy grade; painted on				
	125min diameter half round PVC Rainwater gutter				-
C	ring seal joints in the running length; plastic holder	28	No	25,000/-	70000H=
	bats; fixing to backgrounds requiring plugging			6.3	. = (= (1
D	Ditto; 75mm down pipe	8	No	23,000/=	1847,004=
	Gutter support bracket	36	Non	1 . 700/=	108,004=
1	ouner support macket	0	×(1)	3/0001-	F-1-170V-
1.	Extra: clamp 3"	168	No.	3,800=	504,000=
G	Connector outlet	6	No	2508/=	15,000-
	Flhow	6		2 500/2	48,000/=
11	EIDOW	0	70	8/00-	12 - 54
1	Angle	12	No	5,0001=	60,000/=
	Impreginated Treated softwood timber or other gonal and approved hardwood			, ,	1000 DOV
J	20 x 250mm Fascia board	203	LM	6/800/=	1,218,000
	Page No. 1/5/2			Tshs.	5,528004
	COLLECTION				10.00
	Page No. 1/5/1			Tshs.	48,125,000
	Page No. 1/5/2			Tshs.	5,588,004 53,653,000 =
	TOTAL ROOFING TO SUMMARY			Tshs.	53,653,000/



		F			1
ITE	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT
	ELEMENT NO.6- FINISHINGS				
	15mm Thick plaster 1:4 to internal walls, roof slab, sides and soffities of beams, columns and the like				
A	cement - 50 Kgs 42.5	280	Bags		5,040,000
В	sand for mortar	10	Trips	157,504	1,575,00x
C	15mm thick Rendering to walls (1:4) cement - 50 Kgs 42.5	124	em Bags	18,500/=	2,232,0001-
D	sand for mortar	- 4	Trip	157,504	630, vod-
E.	Wall Tiles 12mm thick wall tiles bedding mortar 1:4: cement - 50 Kgs 42.5	44	Bags	18,000 =	792,000= 315,000=
E	sand for mortar	2	Emp	157,500=	315 acid=
G	White glazed ceramic wall tiles with cushion edges to BS 1282 fixed to backing with adhesive and pointed with white grout 200 x 300 x 6mm Tiling to walls		M	30,000 =	6,600,000/-
Ħ	cement - 50 Kgs 42.5	15	bags	18,880/=	270,000= 63,000/=
T.	sand for mortar	0.4	Trips:	157,500/-	63,00N=
	Tiles, slab or block finishings Culoured porcelain non slippery/non-glazed floor tiles or other equal and approved with cushion edges fixed to screed with adhesive and pointed with coloured grout				-
J	500 x 500 x 12mm Tiling to floors	1,097			49,365,000/
К	2.5mm skirting 150mm high with splayed edge	568			15,904,000
1.	cement - 50 Kgs 42.5		pags	18,000=	4,149000
	sand for mortar Page No. 1/6/1	7		157, JOH=	1,102,500/=



ITEN	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT
	Allow for EPOXY finishings as per project				
	Manaher's instructions				
A	Epoxy Floor finish to operating rooms	24	M	150,000	3,609004=
В	2.5mm skirting 150mm high with splayed corner	20	M	50,000 =	1,000,000/=
	Ceiling finish				
C	9mm Gypsum ceiling (Thailand)	364	Pes	25,000	9,100000
D	Cornices (plain)	385	Pes	5,000/=	1,925,000 =
E	50x50nmi Treated softwood brandering	1.167	Pes		4,668,00d
F	Assorted nails	30	Kgs	,	105,000/=
G	Gypsum powder	(10)	Веня		1,560,000-
H	Fibre tape	42	Roll		462,000/-
1	Gypsum serews	42	Boxes	9,0001=	378 coy-
1	Extra, access panels: Local Fundi designed dimensions, pre-drilled fixed with sciews, plastic sockets and cups as per project manager's instructions	98	No.	100,000	100,000
	Page No. 1/6/2			Ishs.	2898,000/=
	COLLECTION				
	Page No. 1/6/1			Lshs.	88,022,500/-
į į	Page No. 1/6/2		-	Eshs.	22,898,000/=
				- 1	
	*	1		241	
	į.			2	10
	35				
Т	OTAL FINISHING TO SUMMARY				110,926,500 =

LNID = 13



TEN	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT
	ELEMENT NO.7- PAINTINGS AND DECORATIONS				
	Prepare and apply one thinned coat and two full coats of wash 'n' ware paint to plastered walls, sloping soffities of stair cases, celling, gypsum ceiling				
Α	Wash 'n' ware paint	45	Bucket	170,000	7,650,004
	Prepare silicon based paint and apply one thinned coat of acrylic primer; one coat of STUCCO surface and one finishing coat of EPOXY finished paint onto:				
В	Plastered walls, in the theatre room, treatment room and resuscitation rooms	393	5M	8,000/=	3,144,00d=
	External work Prepare and apply one primer coat and two finishing coats of Galaxy weather guard paint or other equal and approved				
	Weather guard paints	12	Bucket	170,000	2,040,000
,	Winte Cement	221	Bags	27,000/-	594,000/=
	iloss oil paints	12	Tin.	40,800/=	480,000/
ŀ	Indercoar				2,100001
			•		
					•
78.	OTAL DECORATION TO SUMMARY	1			6,008,000



1	Ď			wan regional R	ererrar riospitar
ITE	DESCRIPTION	QTY	UNIT	RATECTSHS	AMOUNT
	ELEMENT NO.8- ELECTRICAL AND FIRE SYSTEM				
	Power Distribution.				
	12 Ways TPN distribution Board (DBG) with				
	100A/300mA RCD incomer and 10A				
A	SP(9Nos),20ASP(19Nos) and 32A SP(8Nos) outgoing				
	MCBs As specified in the drawings. ABB or approved			10000	IRABON-
	eguar	X:	No	180,000=	180000
В	4C's 25mm2 Cu.PVC SWA PVC cable from Tanesco		1		
	supply and from change over switch to distribution				
	boards DBCr.	50	m	120,000-	6,000,004
C	100A TPN Automatic change overswitch as ABB or			7.1	
	approved equal	1	86	200,000	200,000/
Ð	IC x 10mm Cu.PVC Green Yellow earth cable			a 51	
		10	m	30,000/=	
- 13	100mm diameter heavy gauge PVC Pipe	12	m	40,000/-	480,000
	Small Power Distribution		1 1		
E	25mm diameter heavy gauge PVC conduits concealed underwalls and roof floors from distribution Boards to				
	all power and telecommunications ourlet points	384	Des	2,004=	762,000=
		104	lics.	2,009-	1 6270 09-
5.1	Single core 2.5 sqmin PVC copper cables from				
	distribution Boards to all power outlet points			a cal	an wit
	i)Blue colour	10	Rolls	90,000=	900,000=
	nuGreen Yellow	70	Reille	90,000=	900,000 E
		9	Roffs	90,000=	810,000/=
H	2x13A switched socket complete with GI backbox	58	No		870,00d=
1	Calmananaianiana			1	
,	felecommunications outlet box complete with face	41	No	18,000/=	738,000/=
J	IV outlet box complete with face plate	1	No	18,000/=	18,000/-
К :	20A DP switch complete with backbox for A/C and			11	288,000/=
	I/D as ABB or approved equivalent	18	No	16,00t	788,000/E
1,	Page No. 128/1			4	
- 1	**************************************		11.	shs. 2 12	2,452,000
	I .			CTORS	TANS

EN1D - 15

ITE	DESCRIPTION	QTY	UNIT	RATE(TSHS	AMOUNT
АВ	Light Fittings 20mm diameter heavy gauge PVC conduits concealed underwalls and roof floors from distribution Boards to all lighting fire Alarm, ceiling fan outlet points and Single core 1.5 squam PVC copper cables from distribution Boards to all lighting and ceiling fan outlet points	776	pes	2,000/=	
	i)Red Brown colour ii)Blue colour iii)Green Yellow	23 23 22	Rolls Rolls Rolls	60,000/= 60,000/= 60,000/=	1,320,000= 1320,000= 1320,000=
С	Type B; LED T-8,IP65 Tube light 4ft 24W as smart sense or approved	62	No	40,004	2,48000
D	Add Type D: Recessed/Surface modular 20W LED Diamond Light with frosted glass as Smart sense or per interior design spacefication	15	No	30,000/2	450,00d=
E	Type E: Surface mounted outdoor for 20W LED Diamond ceiling light as smart sense or approved	12	No	30,000	360,000=
F	Type C:Wall mounted outdoor luminaire With 20W LED DAY Light as smart sense or approved	12	No		420,000
G	One way 1 gang light switch as ABB or approved	21	No	9,000	129,000=
	One way two gang light switch as ABB or approved equal:	11	No		110,000=
4	Two way 1 gang light switch as ABB or approved	9	No	10,000=	90,000=
đ	Two way 2 gang light switch as ABB or approved	2	No	12,000	24,000-
К	One way 3 gang light switch as ABB or approved	3	No	15000=	75,000/-
	Page No. 1/8/2		Т	slis.	?4540td=



ITE	DESCRIPTION				1
1116	DESCRIPTION	QTY	UNI	FRATE(TSH)	1
A	Two way 3 gang light switch as ABB or approved	.2	No	15,000	30,004=
В	Intermediate switch as ABB or approved equal.	T)	No	15,000/=	15,000/=
C	Ceiling fan complete with regulator as Panasonic or approved equal	24	No	250,000/-	Googood-
Ð	Single sided exit light, with 3HRS duration emergence bulkhead for 8W T16(T5), As Thorn voyager exel	3	No	40,000 =	120,00d=
E	FIRE DETECTION & ALARM SYSTEMS Addressable fire control panel, 2 loop, 2 Zones as GST or approved equal	ï	No	7,000,00	1 7,000,000
¥	Adressable smoke detector complete with base, as GST or approved equal	29	No	90,000/=	2,610,000
G	Adressable Heat detector complete with base, as GST or approved equal.	Í	No	129004	120,004=
H	Breakglass/manual call points adressable,complete with back box for surface mounting as GST of approved equal	3	No		420,00d=
1	Fire bells 6" as adressable as GST or approved equal.	3	No	450,000	1,350,000/-
3	Fire resistant cable 1 5sqmm.twin with earth wire	3	Rolls	650,080	1950,000/=
K I	Fire extinguisher bottles Dry powder (ABC), 9kg monted on wall Fire extinguisher bottles Carbon dioxide (Co ₂), 5kg mounted on wall	No.	3	450,000f= 350,000f=	1,200,000/-
8	Page No. 1/8/3			l'shs.	21,865,000/-
1.7	COLLECTION Page No.1/ 8/1		-1	Γshs.	12,452,000/
P	Page No. 1/8/2		h	Γshs.	8,450,004
P	age No. 118/3		1	ishs.	21,8652004
1	OTAL ELETRICAL AND FIRE ALAM TO SUMM	ARY	ı	shs.	12,452,000/ 8,450,004 21,8652004 12,767,004



m		UNIT	QTY	RATE	AMOUNT
51	ELEMENT NO.9- ICT INSTALLATION STRUCTURED CABLING				TSHS.
A	modules, spring shutter and cabling field for Cat 6e cabling	No	31	45,000/=	139500
В	RJ 45 wall face plate complete with modules.spring shutter and cabling field for Cat 6e cabling	No	10		1,395,000=
∏ C	4-pair in shielded twisted pair cable(UT2).Cat6e	Rolls	5	4,000=	20,000/=
D	24 ports R135 voice patch panel	No	2	600,000/	120000
E	Wireless units(Wi-Li Router)	No	2		
F	24 ports R ₁ 45 Cisco Switch,cat 6	No	2	687004=	1200,000
G	Im R#5 pach code	No	60	15,0ve/=	900,000
11	3m R245 patch code	Nδ	60	45,000/	2,700,000
1	Patch guide (cable organizer)	No	4	4,500/=	18,000=
j j	221'-Voice Cubinet with 2 heat extract this and twas- power distribution unit(PDU)	No	1	200,000/=	200 part=
K	COLUMN E SERVICIO COLOR CAMBRICA POLICIA EL		-907	1,000,000)	1, cocyced=
Į,	200 pair cable connecting telephone from TTCL DP PABX AND ACCESSORIES	Rolls	2	4592001=	904000/=
M	extensions complete with standard features and including all accessories for complete function of the	No		1	
N	System (Digital telephone handse)	No	2	25900X	1,709000
O	Analogue telephone handset	No	20	609000	1,709000
p.	Voltage stablizer frome 5kva	No			
Ų	5kVA SP,CPS and Back up Batteries	Lot	-	3,660,000	3,000,000/=
	TOTAL ICT TO SUMMARY			TSHS, \	7,500,000

EMD 18



1			Î.	Ï	
EN	DESCRIPTIONS	UNIT	QTY	RATE (T.SI	ISTOTAL (T.SHS.
	ELEMENT NO.10- MEDICAL GAS			1	
	INSTALLATION				1
	EQUIPMENT				1
	Medical gas Equipment complete with all ancilliary				
	as per specifications and drawings				
	Duplex Oxygen Generator- 450 lpm complete with all			. 1	1) 15 - (150)
A	accessories as per specification		1	15,000	= 15,00gacq=
В	Oxygen- 2x10 Oxygen Reserve Manifold System		1	100 00	1 4,500,000 = 4,500,000 =
C	Nitrogen- 2x3 Manual Manifold System		1	4,500,000	F 4700,000F
D	Medical Air- 2x10 Reserve Manifold System		1	310000	1= 3,500,000=
E	Medical Vacuum Plant- 1020 Lpm		1	5 MAN STO	5,000,000/=
	Wall Mounted Terminal Units			sceren	
F	a)Oxygen	No	7	40,084	2,150,000/=
G	b)Nitrous Oxide	No	4	450.00h)=	1,800,000/
H	e)Medical Air -	No	7	450,000/=	2 164 100/-
1 1	d)Vacuum	No	7	450 000)-	2/109/00/
1	Locable Line Valves as per specification			7340001-	3150,00015
.1	Lockable Line Valves				41
K	a)15MM	No	2	150,000/	200,000/=
L.	b)22MM	No	1	9900001-	224.188
M	c)28MM	No	1	240 824	2/0 001
1	J035MM	No	1	10 WA7-	340,0095
	PIPING WORK			400yaci-	400100012
	Copper piping of different sizes for distribution and				
	supply of medical gas to various areas in the hospital				1
	The Copper pipes shall be solid drawn, seamless,				
	deoxidised, nonarsenical, half hard, tempered and				
	degreased material conforming to BS-6017/1981 and				
	manufactured as per BS ₅ 2871 1971. The Copper pipe				
	shall be supplied with Hoyd's test certificate and				
	installed as per HTM -02-01 specifications with utmost				
	elenlmess. Color codification as per BS 1710. The				
	piping shall be complete with all fittings i.e. elbow.				
	tee, reducer, socket, union, flange and insulation where				
	necessary etc conforming to HTM 02-01				
7.1	Copper pipes			10	2000 001
P	D15	M	170	45,000 /=	1659 0001
1.	D22	M	100	60,100/=	600,000/-
	4			, ,,,	George al-
				1	
	Page No. 1/10/1		191	shs.	72,16900/=
			1.1	203.	12/14
	A. A.	1			

EMD = 19



EM	DESCRIPTIONS	UNIT	QTY	RATE (T.SH	STOTAL (T.SHS.
A B	D28 D35	M M	60 95	72,684-	i.I
C D E F G H	LPG gas cylinder 50kg including all necessary accessories LPG pipes 25mm diameter Burner Copper tube 8/10 Turn ISO Valve Panic shutoff valve Regulator Page No. 1/10/2	No M No No No No	1 20 1 1 1	759000 = 30,000 = 240,000 = 250,000 = 310,000 = 15hs.	750,008/- 600,000/- 450,800/- 240,000/- 320,000/- 350,000/- 14,725,000/-
	<u>COLLECTION</u> Page No. 1/10/1 Page No. 1/10/2			ishs.	72,16900d= 14,787,084=
	;- (*)				
					<
	, a			ē	
Т	OTAL MEDICAL GAS INSTALLATION TO SUMM	ARY	Tsl	hs. §	6,945,000

EMID - 20



M.S DESCRIPTIONS	UNIT	QTY	ATE (LSH:	S.) OTAL (T.SHS.
ELEMENT NO.11- AC AND VENTILLATION				
Single Split Air Conditioners with Wall Mou	nted			
Indoor/ Fan Coil Unit: Surgic Spin An conditioner fact Set shan	De	1	1	1
completed with outdoor air-cooled condensing				
indoor Wall Mounted type fan coil unit and w	ired			
controller wireless remote controller,AVS Vol	And the second s			
Surge protector including all supports and associ	ated			
a) Cooling Capacity 2 6kW (12000High)	No.	1 1	gonod	£ 9,000,000
Single Split Air Conditioners with ceiling cass	ette			1
Indoor/ Fan Coil Unit:				
Sugar Anni An conomoner then Ser suan completed with outdoor an cooled condensing t				
indoor Cassette type fan coil unit and wired control				
wireless remote controller, AVS Voltage St				
protector including all supports and associated fitti				
			7011	/
a) Cooling Capacity 5.2kW (1800)Biti h)	No		7,500,000	
h) Cooling Capacity 4 5kW (15000Biu h)	No	1	2,200,000	
c) Cooling Capacity 3 (kW (12000Biu h)	No	10	2,804,000	28,000000
SSA tgeram rapes and ratings at his 2871				
Refrigerant copper pipes complete with all associal fittings like elbows etc. and all supports	ited			1
a) 6 drain diamater	Rolf	1	100 mil	2.21(0)
b) 12 ann diameter	Roll	100	00000	3,315,000=
Armatles insulation - 25mm thick	KOII	307	22000	3,140,004-
a) 6 4mm dia	ET !	35)	1000001=	2,500,000/-
b) 12 7mm diameter	10	250	18,0001=	4,500,000=
Condensate Drainage Pipes(PVC)			1 DILECT	4,1000-
Condensate drainage PVC pipes complete w	nb ¹			
associated fatings to tees elbows reducers etc so	de l			
to make the system work perfectly			Dona 1-	27 -1-1
w i 20mm diameter PVC pipe	in	15	25001-	5 473000=
b) 25mm diameter PVC pipe	3.00	106	25,000t	26500000=
e) 32mm dameter PVC pipe	m	55	32,0001=	37,500= 2,650,000= 1,760,000=
	1		2	Trychedis
Page No.1/ 11/1			I'shs.	C9 OCI ZW
		1		29/201109
	1			

EM17 - 21

			ľ	Ï	1
EN	DESCRIPTIONS	UNIT	QTY	ATE (T.SHS	OTAL (T.SHS.)
В	Trunking 120 x 69mm galvanized steel trunking for accommodating external insulated pipe work for outdoor A.C system including corners, joints, wall plates, pipe holders and all necessary fittings. Tray 500mm wide. 25mm neight and 2,5mm unes.	ın	145	15,600/=	2,175,00d=
	galvanised steel, medium duty, perforated cable tray with necessary supporting frame for supporting refrigerant pipes (horizontal runs) between indoor and outdoor units, complete with all accessories including ties, bolts, nuts and supporting frames on	m	256	45,000	11,520,000=
Ç:	Mounting brackets, supports and other fittings for outdoor units Wiring	Nos	16	150,000=	2,404,000
E	a)Control and power cables between units and DP switch located near the door position. b)Control and power cables between indoor units and outdoor units located MECHANICAL VENTILATION	m	256	18,000/= 18,000/=	2,016,000=
	Wall Extract fan with capacity of 300m hr = 50Pa. complete with timer control and all accessories	No	1	400,000-	414000/=
	Page No. 1/11/2		1	'shs.	17,161,004
	COLLECTION				
	Page No. 1/11/1		ļa.	sks.	59,951,700/
	Page No. 1/11/2		T	shs.	7,161,000/=
					·//rey===y=
				-	
1	OTAL AC AND VENTILLATION TO SUMMARY		Ts.	hs. 7	37,112,700/=
	LMD = 22			STRACTORS	TANZU

EM	DESCRIPTIONS	UNIT	QTY	ATE (T.SHS.) O	IAL (T.SHS.)
.11	ELEMENT NO.12- PLUMBING AND INSTALLATION.				
	EXTERNAL/ CORE SERVICES Water supply connection				
A	Connection from public water supply main pipe to storage tank, including supply pipe, water meter, valves and other associated fittings.	Item	10	5,000/00/= 5	5,000,000/=
В	Connect pipe from existing underground water storage tank to roof tank	Item)	1,500,002/-	1,500,0001
C	Construction of concrete water Storage underground tanks 15,000Litres	No	1	5,000/00/= 5 1,500,000/= 2,000/= 900,000/= 350,000/=	25030001
D	Roof water storage tank Plastic type (SIMTANK) with capacity of 5000L.	No	1	900,000 F	9590001=
F	Valves, flanges, pressure ball valve and all necessary fittings for above water tank	Item	1	350,000	850,000 E
1:	Water Pump Dupplicate two water booster pumps each with capacity 3 6m ³ /hr at 10m head, complete with pressure tank, control panel, dry running protection and all necessary accessories, manufactured by Groundfos or similar equal approved. There should be two pumps, one operating and the other standby	Set	Į.	1,500,004 1,	SS 068/2
G	Water supply Pipe 40nim diameter gulvanised steel pipe, complete with littings and supporting brackets for transfering water from undergroung to roof water tank and around the house 50nim diameter galvanised steel pipe connected to water supply network to underground tank 40nim draineter gate valves to support the above	m m	15	15000/= 22 2800/= 4 65,000/= 6	29000 = 20000 = 5000 =
J	installations 40mm diameter non-return valves to support the above installations	No.		75,001= 7	5.000/=
	Page No. 1/12/1				235,000/=

EMD 23



EM	DESCRIPTIONS	UNIT	QTY	VIE (T.SHS.	OTAL (T.SHS.)
-1	Construction of foul waste water manholes of internal dimension 600x600mm with invert level not exceeding 1000mm comprising 200mm plant concrete grade "C" field 230mm block wall plastered internally as per specification and drawings including heavy duty east iron cover.	No.	1 4	200,004	= 2,600,000
В	Construction of 200X200mm standard gully trap as per specification and drawings including heavy duty east from cover_	No.	îi.	120,000	610,000 =
4.	Exeavate trench not exceeding 1000 mm deep and average 500mm wide for laying sawcrage pipe not exceeding 100mm diameter including backfilling	m	122		
D	Construction of faul water septic tank of internal dimension 3465Lx1165Wx1800D mm, of capacity 6000Littes complete with other associated accessories	No	ï	Sironara	5,500,00/=
ţ.	Construction of faul water soak awaypit with internal dimension. In Diameter and 2 0m Depth complete with all associated accessories.	No. 1	8	3,800,800	= 3,800,00V= 80,00V=
¥	Galvanized steel wire ballon set on top of vain pipe and covered with mosquito gauze, 100mm diameter	No	3	40,000=	BOKESH=
G	Soil/waste water and vent pipe work 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				000 my=
	plugging a) 100mm diameter, uPVC pipe b)) 50mm diameter, uPVC pipe c) 40mm diameter, uPVC pipe	100	28 34 35	12,000/= +580/= 6,000+	396,004= 1,320,0001= 247,5801= 210,0001=
	Ethows, 90 ^a a) 100mm diameter, uPV C b) 50mm diameter, uPV C c) 40mm diameter, uPV C	No No NO	, i	2,000 = 5,000 = 35NV=	16,000 = 15,000 = 7,000 =
	Tee - Y a) 100mm diameter, uPVC b) 40mm diameter, uPVC	Nii: No		10,000 = 3,000 =	
	Page No. 1/12/3			Ushs.	14,809,500%

ENID - 25

ENI	DESCRIPTIONS	UNIT	QTY	TE (ESHS.	OTAL (LSHS.)
	c) 50mm diameter, uPVC	No			
B	45° Libow a) 100mm diameter, uPVC b) 50mm diameter, uPVC c) 40mm diameter, uPVC External Core services Ground Floor	No No NO	4 3 15	9,000/= 5,000/= 3,500/=	18,000 = 38,000 = 15,000 = 52,500 =
	Page No. 1/12/4			Tshs.	117,500/=
	COLLECTION				
	Page No. 1 12/1			Tshs.	12,235,000 =
	Page No. 1/12/2			Tshs.	12,235,000 = 4,685,000 = 14,809,500 =
	Page No. 1/12/3			Tshs.	14,809,500/-
	Page No. 1/12/4			Tshs.	117,500/=
				- 3	
	1.1				X
					(4)
	<u> </u>				- T-2
3	OTAL PLUMBING AND DRAINAGE TO SUMMA	RY	1	shs.	1,8459001=

	7				
ITEN	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT
A	ELEMENT NO.1- SUBSTRUCTURE.	GENERA	L SUMM TSHS	IARY	169,52900/=
В	ELEMENT NO.2- SUPERSTRUCTURE.		TSHS		91,928,004=
C	ELEMENT NO.3- SUPERSTRUCTURE.		TSHS		G4,244,000 =
D	ELEMENT NO.4- WINDOWS.		TSHS		22,784,500/-
l:	ELEMENT NO.5- ROOFING:		ISHS		53,658,000/z
F	ELEMENT NO.6- FINISHING:		TSHS		110,726,300
G	ELEMENT NO. 7 PAINTING AND DECORATION.		TSHS		1900309=
11	ELEMENT NO.8- ELECTRICAL AND FIRE SYSTEM		TSHS		42,767,000/-
ř.	ELEMENT NO.9-1CT INSTALLATION		ISHS		17,595,000/=
J	ELEMENT NO.10- MEDICAL GAS INSTALLATION		TSHS		86,945,004
K	ELEMENT NO.11- AC AND VENTILLATION.		ISHS		77.117.712
L	ELEMENT NO.12- PLUMBING AND INSTALLATION,		тѕнѕ	(C.)	31,845.90%
	SUB TOTAL Add: 15-25% Labour charges	.1	TSHS TSHS		785,299,450
	Add: 1% Transport charges		ISHS		7.852 991 6
	Add: Preliminary works (Includes Water for the waorks, removing rubbish and cleaning, Tools, plants and Scalfolding, Site				1/4/30
	and cleaning, Tools, plants and Scanoloung, Site accommodation, Watching and Lighting, Testing, etc)	Y	ISHS		136,642,10430
	Add Direct Labour cost (Schedule No 2)		TSHS		31,427,683.99
	GRAND TOTAL		TSHS		1,079,222,150