THE UNITED REPUBLIC OF TANZANIA
SINGIDA REGIONAL SECRETARIAT
SINGIDA MUNICIPAL COUNCIL

REQUEST FOR BID

TENDER No.: LGA/115/TACTIC/P171189/2024/2025/W/01

FOR

Singida Package 1: Upgrading of CBD & Industrial Roads and Construction of Misuna Modern Onion Market & Mnung'una Storm-water Drain in Singida Municipality

10/02/2025

LIST OF ABBREVIATIONS

Cap	Chapter
ES	Environmental and Social
FY	Financial Year
GCC	General Conditions of Contract
IFB	Invitation for Bidders
ITB	Instruction to Bidders
JV	Joint Venture
JVCA	Joint Venture, Consortium, or Association
NCB	National Competitive Bidding
NeST	National e-Procurement System of Tanzania
OAG	Office of Attorney General
PE	Procuring Entity/Employer
PPA	Public Procurement Act, Cap 410
PPAA	Public Procurement Appeals Authority
PPRA	Public Procurement Regulatory Authority
SCC	Special Condition of Contract
SEA	Sexual Exploitation and Abuse
SH	Sexual Harassment
SBD	Standard Bidding Document

INVITATION FOR BIDS

THE UNITED REPUBLIC OF TANZANIA
SINGIDA REGIONAL SECRETARIAT
SINGIDA MUNICIPAL COUNCIL

Name of Project: Tanzania Cities Transforming Infrastructure and Competitiveness (TACTIC) Project(TACTIC)
Contract Title: Singida Package 1: Upgrading of CBD & Industrial Roads and Construction of Misuna Modern Onion Market & Mnung'una Storm-water Drain in Singida Municipality
Loan No./Credit No./Grant No.: 7151-TZ
Project Reference No.: P171189
STEP Reference No.: 474475
RFB Reference No.: LGA/115/TACTIC/P171189/2024/2025/W/01

10/02/2025

1. This Invitation for Bids follows the General Procurement Notice (GPN) for this Project which appeared in United Nations Development Business (UNDB) Issue No. OP00215554 dated February 21, 2023 and the National e-Procurement System of Tanzania (NeST) dated 06/08/2024.

2. The SINGIDA MUNICIPAL COUNCIL has received CREDIT financing from the World Bank towards the cost of the Tanzania Cities Transforming Infrastructure and Competitiveness (TACTIC) Project, and it intends to apply part of the proceeds toward payments under the contract for Singida Package 1: Upgrading of CBD & Industrial Roads and Construction of Misuna Modern Onion Market & Mnung'una Storm-water Drain in Singida Municipality. "For this contract, the Borrower shall process the payments using the Direct Payment disbursement method, as defined in the World Bank's Disbursement Guidelines for Investment Project Financing."

3. The SINGIDA MUNICIPAL COUNCIL now invites sealed Bids from eligible Bidders for Singida Package 1: Upgrading of CBD & Industrial Roads and Construction of Misuna Modern Onion Market & Mnung'una Storm-water Drain in Singida Municipality for:

S/N.	Description	Location	Quantity	Construction Period	Margin of Preference
1.	Singida Package 1: Upgrading of CBD & Industrial Roads and Construction of Misuna Modern Onion Market & Mnung'una Storm-water Drain in Singida Municipality	Singida Municipality	Package 1: Upgrading of Central Business District (CBD) & Industrial Roads and Construction of Misuna Modern Onion Market & Mnung'una Storm Water Drain in Singida Municipality Note: The procurement of works under this Bid, will be executed concurrently with other Packages, hence	455	NOT_APPLICABLE

	requirements for award of multiple contracts shall be applicable. Refer to ITB 34.5 and PCC 7	

Qualifications Information is shown in the section of Qualifications and Evaluation Criteria.

4. Bidding will be conducted through the International Competitive Tendering as specified in the World Bank's "Procurement Regulations for IPF Borrowers" fourth edition, November 2020 as well as the Public Procurement Act, CAP 410, and is open to all Bidders as defined in the Procurement Regulations.

5. Interested eligible Bidders may obtain further information from SINGIDA MUNICIPAL COUNCIL, Head of Procurement Management Unit (PMU), Singida Municipal Council, 5 Br. Karume, Ipembe Street, P.O. Box 236, 43108 Singida, Tanzania and inspect the bidding document through NeST.

6. A complete set of bidding document(s) in English may be accessed through NeST freely.

7. Bidders are required to register through NeST and pay the bid participation fees indicated in the NeST (https://nest.go.tz/nest-tenderer/wallet/tender-charges) to be able to participate in this Bidding process. NeST payment user guide is made available in the NeST dashboard.

8. Bids must be submitted electronically through NeST on or before 10:00 AM hours local time on 28/03/2025. Bid(s) will be opened promptly thereafter through NeST. Bid opening details will be available to the through NeST.

9. All bids must be accompanied by a Bid Security in the form of Tender Security - Bank Guarantee in the currency of The Tanzanian Shilling or freely convertible currencies in case of foreign Bidders worth 380,000,000.00.

10. Bids not received or opened through NeST shall not be accepted for evaluation irrespective of the circumstances.

MUNICIPAL DIRECTOR

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THE UNITED REPUBLIC OF TANZANIA
SINGIDA REGIONAL SECRETARIAT
SINGIDA MUNICIPAL COUNCIL

REQUEST FOR BIDS
for
Singida Package 1: Upgrading of CBD & Industrial Roads and Construction of Misuna Modern Onion Market & Mnung'una Storm-water Drain in Singida Municipality

RFB No: LGA/115/TACTIC/P171189/2024/2025/W/01
Project: Tanzania Cities Transforming Infrastructure and Competitiveness (TACTIC) Project(TACTIC
Employer: SINGIDA MUNICIPAL COUNCIL
Issued on: 10/02/2025

PART 1 – BIDDING PROCEDURES

SECTION I: INSTRUCTIONS TO BIDDERS (ITB)

A. General

BDS Clause Number & Required Information/Data	ITB Clause Number	Amendments of, and Supplements to, Clauses in the Instruction to Bidders
1. **Scope of Bid**	1.1	In connection with the Specific Procurement Notice - Request for Bids (RFB), specified in the Bid Data Sheet (BDS), the Employer, as specified in the BDS, issues this bidding document for the provision of Works as specified in Section VII, Works' Requirements. The name, identification and number of lots (contracts) of this RFB are specified in the BDS.
	1.2	Throughout this bidding document: a) the term "**in writing**" means communicated in written form (e.g., by mail, e-mail, and fax, including if specified in the **BDS**, distributed or received through the electronic-procurement system used by the Employer) with proof of receipt; b) if the context so requires, "**singular**" means "**plural**" and vice versa; c) "Day" means calendar day, unless otherwise specified as "**Business Day"**. A Business Day is any day that is an official working day of the Borrower. It excludes the Borrower's official public holidays; d) "**ES**" means environmental and social (including Sexual Exploitation and Abuse (SEA), and Sexual Harassment (SH)); e) "**Sexual Exploitation and Abuse**" "(SEA)" means the following: "**Sexual Exploitation**" is defined as any actual or attempted abuse of position of vulnerability, differential power or trust, for sexual purposes, including, but not limited to, profiting monetarily, socially or politically from the sexual exploitation of another; "**Sexual Abuse**" is defined as the actual or threatened physical intrusion of a sexual nature, whether by force or under unequal or coercive conditions; f) **"Sexual Harassment"** "(SH)" is defined as unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature by the Contractor's Personnel with other Contractor's or Employer's Personnel; g) **"Contractor's Personnel"** is as defined in Sub- Clause 1 (ii) of the General Conditions of Contract; and h) "**Employer's personnel"** is as defined in GCC Sub-Clause 1 (nn) of the General Conditions of Contract. A non-exhaustive list of (i) behaviors which constitute SEA and (ii) behaviors which constitute SH is attached to the Code of Conduct form in Section IV
2. **Source of Funds**	2.1	The Borrower or Recipient (hereinafter called "Borrower") specified in the BDS has received or has applied for financing (hereinafter called "funds") from the International Bank for Reconstruction and Development or the International Development Association (hereinafter called "the Bank") in an amount specified in the BDS, toward the project named in the BDS. The Borrower intends to apply a portion of the funds to eligible payments under the contract(s) for which this bidding document is issued.
	2.2	Payment by the Bank will be made only at the request of the Borrower and upon approval by the Bank, and will be subject, in all respects, to the terms and conditions of the Loan (or other financing) Agreement. The Loan (or other financing) Agreement prohibits a withdrawal from the loan account for the purpose of any payment to persons or entities, or for any import of goods, equipment, plant, or materials, if such payment or import is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Borrower shall

		derive any rights from the Loan (or other financing) Agreement or have any claim to the proceeds of the Loan (or other financing).
3. **Fraud and Corruption**	3.1	The Bank requires compliance with the Bank's Anti-Corruption Guidelines and its prevailing sanctions policies and procedures as set forth in the WBG's Sanctions Framework, as set forth in Section VI.
	3.2	In further pursuance of this policy, bidders shall permit and shall cause their agents (where declared or not), subcontractors, subconsultants, service providers, suppliers, and personnel, to permit the Bank to inspect all accounts, records and other documents relating to any initial selection process, prequalification process, bid submission, proposal submission, and contract performance (in the case of award), and to have them audited by auditors appointed by the Bank.
4. **Eligible Bidders**	4.1	A Bidder may be a firm that is a private entity, or a state-owned enterprise or institution, subject to ITB 4.6, or any combination of them in the form of a joint venture (JV), under an existing agreement, or with the intent to enter into such an agreement supported by a letter of intent. In the case of a joint venture, all members shall be jointly and severally liable for the execution of the entire Contract in accordance with the Contract terms. The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the Bidding process and, in the event the JV is awarded the Contract, during contract execution. Unless specified in the BDS, there is no limit on the number of members in a JV.
	4.2	A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this Bidding process, if the Bidder: a) directly or indirectly controls, is controlled by or is under common control with another Bidder; or b) receives or has received any direct or indirect subsidy from another Bidder; or c) has the same legal representative as another Bidder; or d) has a relationship with another Bidder, directly or through common third parties, that puts it in a position to influence the Bid of another Bidder, or influence the decisions of the Employer regarding this bidding process; or e) or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the Bid; or f) or any of its affiliates has been hired (or is proposed to be hired) by the Employer or Borrower as Project Manager for the Contract implementation; g) would be providing goods, works, or non-consulting services resulting from or directly related to consulting services for the preparation or implementation of the project specified in the BDS ITB 2.1 that it provided or were provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm; h) has a close business or family relationship with a professional staff of the Borrower (or of the project implementing agency, or of a recipient of a part of the loan) who: (i) are directly or indirectly involved in the preparation of the bidding document or specifications of the contract, and/or the Bid evaluation process of such contract; or (ii) would be involved in the implementation or supervision of such contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the Bank throughout the procurement process and execution of the contract.
	4.3	A firm that is a Bidder (either individually or as a JV member) shall not participate in more than one Bid, except for permitted alternative

		Bids. This includes participation as a Subcontractor in other Bids. Such participation shall result in the disqualification of all Bids in which the firm is involved. A firm that is not a Bidder or a JV member may participate as a subcontractor in more than one Bid.
	4.4	A Bidder may have the nationality of any country, subject to the restrictions pursuant to ITB 4.8. A Bidder shall be deemed to have the nationality of a country if the Bidder is constituted, incorporated or registered in and operates in conformity with the provisions of the laws of that country, as evidenced by its articles of incorporation (or equivalent documents of constitution or association) and its registration documents, as the case may be. This criterion also shall apply to the determination of the nationality of proposed subcontractors or subconsultants for any part of the Contract including related Services.
	4.5	A Bidder that has been sanctioned by the Bank, pursuant to the Bank's Anti-Corruption Guidelines, in accordance with its prevailing sanctions policies and procedures as set forth in the WBG's Sanctions Framework as described in Section VI paragraph 2.2 d., shall be ineligible to be prequalified for, initially selected for, bid for, propose for, or be awarded a Bank-financed contract or benefit from a Bank-financed contract, financially or otherwise, during such period of time as the Bank shall have determined. The list of debarred firms and individuals is available at the electronic address specified in the BDS.
	4.6	Bidders that are state-owned enterprises or institutions in the Employer's Country may be eligible to compete and be awarded a Contract(s) only if they can establish, in a manner acceptable to the Bank, that they (i) are legally and financially autonomous (ii) operate under commercial law, and (iii) are not under supervision of the Employer.
	4.7	A Bidder shall not be under suspension from Bidding by the Employer as the result of the operation of a Bid–Securing or Proposal-Securing Declaration.
	4.8	Firms and individuals may be ineligible if so indicated in Section V and (a) as a matter of law or official regulations, the Borrower's country prohibits commercial relations with that country, provided that the Bank is satisfied that such exclusion does not preclude effective competition for the supply of goods or the contracting of works or services required; or (b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower's country prohibits any import of goods or contracting of works or services from that country, or any payments to any country, person, or entity in that country. When the Works are implemented across jurisdictional boundaries (and more than one country is a Borrower, and is involved in the procurement), then exclusion of a firm or individual on the basis of ITB 4.8 (a) above by any country may be applied to that procurement across other countries involved, if the Bank and the Borrowers involved in the procurement agree.
	4.9	A Bidder shall provide such documentary evidence of eligibility satisfactory to the Employer, as the Employer shall reasonably request.
	4.10	A firm that is under a sanction of debarment by the Borrower from being awarded a contract is eligible to participate in this procurement, unless the Bank, at the Borrower's request, is satisfied that the debarment; a) relates to fraud or corruption, and b) followed a judicial or administrative proceeding that afforded the firm adequate due process.
5. **Eligible Materials, Equipment and Services**	5.1	The materials, equipment and services to be supplied under the Contract and financed by the Bank may have their origin in any country subject to the restrictions specified in Section V, Eligible

		Countries, and all expenditures under the Contract will not contravene such restrictions. At the Employer's request, Bidders may be required to provide evidence of the origin of materials, equipment and services.

B. CONTENTS OF BIDDING DOCUMENTS

6. **Sections of Bidding Documents**	6.1	The bidding document consists of Parts 1, 2, and 3, which include all the sections specified below, and which should be read in conjunction with any Addenda issued in accordance with ITB 8. **PART 1 Bidding Procedures** · Section I - Instructions to Bidders (ITB) · Section II - Bid Data Sheet (BDS) · Section III - Evaluation and Qualification Criteria · Section IV - Bidding Forms · Section V - Eligible Countries · Section VI - Fraud and Corruption **PART 2 Works' Requirements** · Section VII - Works' Requirements **PART 3 Conditions of Contract and Contract Forms** · Section VIII - General Conditions of Contract (GCC) · Section IX - Particular Conditions of Contract (PCC) · Section X - Contract Forms
	6.2	The Specific Procurement Notice - Request for Bids (RFB) issued by the Employer is part of this bidding document.
	6.3	Unless obtained directly from the Employer, the Employer is not responsible for the completeness of the bidding document, responses to requests for clarification, the minutes of the pre-bid meeting (if any), or Addenda to the bidding document in accordance with ITB 8. In case of any contradiction, documents obtained directly from the Employer shall prevail.
	6.4	The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding document and to furnish through the system with its Bid all information and documentation as is required by the bidding document.
7. **Clarification of Bidding Document, Site Visit, Pre-Bid Meeting**	7.1	A prospective Bidder requiring any clarification of the Bidding Documents may notify the Employer through NeST at least seven (7) days for open competitive methods and three (3) days in the case of other biddiing methods prior to bid submission deadline; a) The Employer will respond in writing to any request for clarification through NeST, provided that such request is received prior to the deadline for submission of Bids. Should the clarification result in changes to the essential elements of the bidding document, the Employer shall amend the bidding document following the procedure under ITB 8 and ITB 22.2. b) The PE will within one (1) to three (3) days after receiving the request for clarification for non-competitive tendering methods and open competitive methods respectively respond and publish through NeST. c) PE's response shall include a description of the inquiry without identifying its source.
	7.2	The Bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the Bidder's own expense.
	7.3	The Bidder and any of its personnel or agents will be granted permission by the Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the Bidder, its personnel, and agents will release and indemnify the Employer and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.
	7.4	If so specified in the BDS, the Bidder's designated representative is invited to attend a pre-Bid meeting and/or a Site of Works visit. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
	7.5	The Bidder is requested, to submit any questions in writing, to reach the

		Employer not later than one week before the meeting.
	7.6	Minutes of the pre-Bid meeting, if applicable, including the text of the questions asked by Bidders, without identifying the source, and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Bidders who have acquired the bidding document in accordance with ITB 6.3 Any modification to the bidding document that may become necessary as a result of the pre-Bid meeting shall be made by the Employer exclusively through the issue of an addendum pursuant to ITB 8 and not through the minutes of the pre-Bid meeting. Nonattendance at the pre-Bid meeting will not be a cause for disqualification of a Bidder.
8. **Amendment of Bidding Document**	8.1	At any time prior to the deadline for submission of bids, the Employer may amend the bidding document by issuing addenda.
	8.2	Any addendum issued shall be part of the bidding document and shall be communicated in writing to all who have obtained the bidding document from the Employer in accordance with ITB 6. The Employer shall also promptly publish the addendum on the Employer's web page in accordance with ITB 7.1.
	8.3	To give prospective Bidders reasonable time in which to take an addendum into account in preparing their Bids, the Employer may, at its discretion, extend the deadline for the submission of Bids, pursuant to ITB 22.2.

C. PREPARATION OF BIDS

9. **Cost of Bidding**	9.1	The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Employer shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Bidding process.
10. **Language of Bid**	10.1	The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the Employer, shall be written in the language specified in the BDS. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the BDS, in which case, for purposes of interpretation of the Bid, such translation shall govern.
11. **Documents Comprising the Bid**	11.1	The Bid shall comprise the following: a) **Letter of Bid** prepared in accordance with ITB 12; b) **Bill of Quantities or Activity Schedule**: completed in accordance with ITB 12 and ITB 14, as specified **in the BDS**; c) Bid Security **or Bid-Securing Declaration**, in accordance with ITB 19.1; d) Alternative **Bid**, if permissible, in accordance with ITB 13; e) Authorization**:** written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 20.3; f) Bidder's **Eligibility:** documentary evidence in accordance with ITB 17 establishing the Bidder's eligibility to Bid; g) Qualifications: documentary evidence in accordance with ITB 17 establishing the Bidder's qualifications to perform the contract if its Bid is accepted; h) Conformity: a technical proposal in accordance with ITB 16; i) Code of Conduct for Contractor's Personnel (ES) j) Management Strategy and Implementation Plans (MSIP) to manage the (ES) risks. k) any other document required **in the BDS**.
	11.2	In addition to the requirements under ITB 11.1, Bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all members and submitted with the Bid, together with a copy of the proposed Agreement.
	11.3	The Bidder shall furnish in the Letter of Bid information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Bid.
12. **Letter of Bid and Schedules**	12.1	The Letter of Bid and Schedules shall be prepared using the relevant forms furnished in Section IV, Bidding Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITB 20.3. All blank spaces shall be filled in with the information requested.
13. **Alternative Bids**	13.1	Unless otherwise specified in the BDS, alternative Bids shall not be considered.
	13.2	When alternative times for completion are explicitly invited, a statement to that effect will be included in the BDS and the method of evaluating different alternative times for completion will be described in Section III, Evaluation and Qualification Criteria.
	13.3	Except as provided under ITB 13.4 below, Bidders wishing to offer technical alternatives to the requirements of the bidding document must first price the Employer's design as described in the bidding

		document and shall further provide all information necessary for a complete evaluation of the alternative by the Employer, including drawings, design calculations, technical specifications, breakdown of prices, and proposed construction methodology and other relevant details. Only the technical alternatives, if any, of the Bidder with the Most Advantageous Bid conforming to the basic technical requirements shall be considered by the Employer.
	13.4	When specified in the BDS, Bidders are permitted to submit alternative technical solutions for specified parts of the Works. Such parts will be identified in the BDS and described in Section VII, Works' Requirements. The method for their evaluation will be stipulated in BDS.
14. **Bid Prices and Discounts**	14.1	The prices and discounts quoted by the Bidder in the Letter of Bid and in the Activity Schedule or Bill of Quantities shall conform to the requirements specified below.
	14.2	The Bidder shall submit a Bid for the whole of the Works described in ITB 1.1 by filling in prices through the system for all items of the Works, as identified in Section IV. Bidding Forms. In case of admeasurement contracts, the Bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by the Bidder will not be paid for by the Employer when executed and shall be deemed covered by the rates for other items and prices in the Bill of Quantities.
	14.3	The price to be quoted in the Letter of Bid, in accordance with ITB 12.1, shall be the total price of the Bid, excluding any discounts offered.
	14.4	The Bidder shall quote any discounts and indicate the methodology for their application in the Letter of Bid in accordance with ITB 12.1.
	14.5	Unless otherwise specified in the BDS and the Conditions of Contract, the prices quoted by the Bidder shall be fixed. If the prices quoted by the Bidder are subject to adjustment during the performance of the Contract in accordance with the provisions of the Conditions of Contract, the Bidder shall furnish the indices and weightings for the price adjustment formulae in the Schedule of Adjustment Data in Section IV- Bidding Forms and the Employer may require the Bidder to justify its proposed indices and weightings.
	14.6	If so specified in ITB 1.1, Bids are invited for individual lots (contracts) or for any combination of lots (packages). Bidders wishing to offer discounts for the award of more than one Contract shall specify in their Bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITB 14.4, provided the Bids for all lots (contracts) are opened at the same time.
	14.7	All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date 28 days prior to the deadline for submission of Bids, shall be included in the rates and prices and the total Bid price submitted by the Bidder. **In the Lump Sum contracts:** All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, as of the date 28 days prior to the deadline for submission of Bids, shall be included in the total Bid price submitted by the Bidder.
15. **Currencies of Bid and Payment**	15.1	The currency(ies) of the Bid and the currency(ies) of payments shall be the same and shall be as specified in the BDS.
	15.2	Bidders may be required by the Employer to justify, to the Employer's satisfaction, their local and foreign currency requirements, and to substantiate that the amounts included in the unit rates and prices and shown in the Schedule of Adjustment Data are reasonable, in which case a detailed breakdown of the foreign currency requirements shall be provided by Bidders.

		In Lump Sum contracts: Bidders may be required by the Employer to justify, to the Employer's satisfaction, their local and foreign currency requirements, and to substantiate that the amounts included in the Lump-Sum, in which case a detailed breakdown of the foreign currency requirements shall be provided by Bidders.
16. **Documents Comprising the Technical Proposal**	16.1	The Bidder shall furnish a technical proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section IV, Bidding Forms, in sufficient detail to demonstrate the adequacy of the Bidders' proposal to meet the work's requirements and the completion time.
17. **Documents Establishing the Eligibility and Qualifications of the Bidder**	17.1	To establish Bidder's eligibility in accordance with ITB 4, Bidders shall complete the Letter of Bid, included in Section IV, Bidding Forms.
	17.2	In accordance with Section III, Evaluation and Qualification Criteria, to establish its qualifications to perform the Contract, the Bidder shall provide the information requested in the corresponding information sheets included in Section IV, Bidding Forms.
	17.3	If a margin of preference applies as specified in accordance with ITB 33.1, domestic Bidders, individually or in joint ventures, applying for eligibility for domestic preference shall supply all information required to satisfy the criteria for eligibility specified in accordance with ITB 33.1.
18. **Period of Validity of Bids**	18.1	Bids shall remain valid until the date specified in the BDS or any extended date if amended by the Employer in accordance with ITB 8. A Bid that is not valid until the date specified in the BDS, or any extended date if amended by the Employer in accordance with ITB 8, shall be rejected by the Employer as nonresponsive.
	18.2	In exceptional circumstances, prior to the date of expiration of the Bid validity, the Employer may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB 19, it shall also be extended for twenty-eight (28) days beyond the extended date for Bid validity. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its Bid, except as provided in ITB 18.3.
	18.3	If the award is delayed by a period exceeding fifty-six (56) days beyond the date of expiry of the Bid validity specified in accordance with ITB 18.1, the Contract price shall be determined as follows: a) in the case of fixed price contracts, the Contract price shall be the Bid price adjusted by the factor specified in the BDS; Note: The local currency portion of the Contract price shall be adjusted by a factor reflecting local inflation during the period of extension, and the foreign currency portion of the Contract price shall be adjusted by a factor reflecting the international inflation (in the country of the foreign currency) during the period of extension. b) in the case of adjustable price contracts, no adjustment shall be made; or c) in any case, Bid evaluation shall be based on the Bid price.
19. Bid Security	19.1	The Bidder shall furnish as part of its Bid, either a Bid-Securing Declaration or a Bid Security as specified in the BDS, in original form and, in the case of a Bid Security, in the amount and currency specified in the BDS.
	19.2	A Bid Securing Declaration shall use the form included in Section IV Bidding Forms. This form is available in the system during bid submission.
	19.3	If a Bid Security is specified pursuant to ITB 19.1, the Bid Security shall be a demand guarantee in any of the following forms at the Bidder's

		option: (a) an **unconditional** guarantee issued by a bank or non-bank financial institution (such as an insurance, bonding or surety company); (b) an **irrevocable** letter of credit; (c) a **cashier's** or certified check; or (d) another **security** specified **in the BDS**, from a reputable source from an eligible country. If an unconditional guarantee is issued by a non-bank financial institution located outside the Employer's Country, the issuing non-bank financial institution shall have a correspondent financial institution located in the Employer's Country to make it enforceable, unless the Employer has agreed in writing, prior to Bid submission, that a correspondent financial institution is not required. In the case of a bank guarantee, the Bid Security shall be submitted either using the Bid Security Form included in Section IV, Bidding Forms, or in another substantially similar format approved by the Employer prior to Bid submission. The Bid Security shall be valid for twenty-eight (28) days beyond the original date of expiry of the Bid validity, or beyond any extended date if requested under ITB 18.2.
	19.4	If a Bid Security or Bid Securing Declaration is specified pursuant to ITB 19.1, any Bid not accompanied by a substantially responsive Bid Security or Bid-Securing Declaration shall be rejected by the Employer as non-responsive.
	19.5	If a Bid Security is specified pursuant to ITB 19.1, the Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's signing the Contract and furnishing the Performance Security and if required in the BDS, the Environmental and Social (ES) Performance Security pursuant to ITB 48.
	19.6	The Bid Security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract and furnished the required Performance Security. and if required in the BDS, the Environmental and Social (ES) Performance Security.
	19.7	The Bid Security may be forfeited: (a) if a Bidder withdraws its Bid prior to the expiry date of the Bid validity specified by the Bidder on the Letter of Bid, or any extension thereto provided by the Bidder; or (b) if the successful Bidder fails to: i. sign the Contract in accordance with ITB 47; or ii. (ii) furnish a Performance Security and if required in the BDS, the Environmental and Social (ES) Performance Security in accordance with ITB 48.
	19.8	The Bid Security or the Bid-Securing Declaration of a JV shall be in the name of the JV that submits the Bid. If the JV has not been constituted into a legally enforceable JV, at the time of Bidding, the Bid Security or the Bid-Securing Declaration shall be in the names of all future members as named in the letter of intent mentioned in ITB 4.1 and ITB 11.2.
	19.9	If a Bid Security is not required in the BDS, pursuant to ITB 19.1, and; (a) if a Bidder withdraws its Bid prior to the expiry date of the Bid validity specified by the Bidder on the Letter of Bid or any extended date provided by the Bidder; or (b) if the successful Bidder fails to: i. sign the Contract in accordance with ITB 47; or ii. furnish a Performance Security and if required in the BDS, the Environmental and Social (ES) Performance Security in accordance withITB 48, the Borrower may, if provided for in the BDS, declare the Bidder ineligible to be awarded a contract by the Employer for

		a period oftime stated in the BDS.
20. **Format and Signing of Bid**	20.1	The Bidder shall prepare documents comprising the Bid as described in ITB 11.
	20.2	Bidders shall mark as "CONFIDENTIAL" information in their Bids which is confidential to their business. This may include proprietary information, trade secrets, or commercial or financially sensitive information.
	20.3	Bids shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified in the BDS and shall be submitted through the system. The name and position held by each person signing the authorization must be typed or printed below the signature.
	20.4	In case the Bidder is a JV, the Bid shall be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized representatives.
	20.5	Any inter-lineation, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.

D. SUBMISSION AND OPENING OF BIDS

21. Bid Submission	21.1	Bids submitted through NeST shall be considered to be a true and legal version, duly authorized and duly executed by the Bidder, and intended to have binding legal effect. The Bidder shall properly name his soft copies of documents before submission through NeST.
	21.2	The bid shall bear e-signature or digital signatures for identity and authentication purposes and the identity of the Bidder may be verified with a follow-up due diligence process.
	21.3	Bids submitted through NeST shall be received in full prior to the closing time as specified in ITB 22.1, and the Bidders shall receive an acknowledgment of receipt of bid or amendment through the system.
	21.4	Bidders must ensure the integrity, completeness, and authenticity of their submission; and in case of electronic records entered online and files containing the bid being unreadable for any reason, the bid submitted shall not be considered.
22. **Deadline for Submission of Bids**	22.1	Bids shall be received by the Employer through NeST in a manner specified under ITT 21.2 not later than the date and time specified in the NeST.
	22.2	The Employer may, at its discretion, extend the deadline for the submission of Bids by amending the bidding document by ITB 8, in which case all rights and obligations of the Employer and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.
23. **Late Bids**	23.1	NeST does not allow Bidder to submit its bid after the deadline for submission of bids in accordance with ITT 22 [Deadline for Submission of Bids]
24. **Withdrawal, Substitution, and Modification of Bids**	24.1	A Bidder may modify or substitute or withdraw its Bid after it has been submitted to the Employer through NeST. Such modification or substitution or withdrawal should be made prior to the deadline for submission of Bids. Bidder shall receive an acknowledgment of receipt of any amendment of its submitted bid through the system.
	24.2	No bid may be withdrawn, replaced or modified in the interval between the deadline for submission of Bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form. Withdrawal of a bid during this interval shall result in execution of Bid Securing Declaration, pursuant to the ITT 18.1 [Bid Security or Bid Securing Declaration].
	24.3	Withdrawal of a bid between the deadline for submission of Bids and the expiration of the period of Bid validity or as extended pursuant to ITT 17.2 shall result in forfeiture of bid security or execution of Bid Securing Declaration pursuant to ITT 18.9 and ITT 18.10.
	24.4	Bidders may only offer discounts to, or otherwise modify the prices of their bids by submitting Bid modifications in accordance with this Clause, or included in the original Bid submission.
25. **Bid Opening**	25.1	The Opening shall be done automatically by the system after the deadline date and time, readout prices shall be displayed

		automatically in the respective portal. Automated opening reports shall be sent to all involved parties including the Employer and Bidders.
	25.2	A Bidder or any other person with interest in the bid process can access bid opening records on NeST dashboard (Opened Bids).
	25.3	Only Bids, alternative Bids, and discounts that are opened at Bid opening shall be considered further for evaluation.
	25.4	The system neither allow employer (or any other person) to discuss the merits of any Bid nor reject any Bid at bid opening.
	25.5	The system shall prepare a record of the Bid opening that shall include, as a minimum: a. the name of the Bidder; b. the Bid Price, per lot (contract) if applicable, including any discounts; c. the presence or absence of a Bid Security or Bid-Securing Declaration, if one was required; and d. any alternative Bids.

E: EVALUATION AND COMPARISON OF BIDS

26. **Confidentiality**	26.1	Information relating to the evaluation of Bids and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with the Bidding process until information on the Intention to Award the Contract is transmitted to all Bidders in accordance with ITB 43.
	26.2	Any effort by a Bidder to influence the Employer in the evaluation of the Bids or Contract award decisions may result in the rejection of its Bid.
	26.3	Notwithstanding ITB 26.2, from the time of Bid opening to the time of Contract award, if a Bidder wishes to contact the Employer on any matter related to the Bidding process, it shall do so in writing.
27. **Clarification of Bids**	27.1	To assist in the examination, evaluation, and comparison of the Bids, and qualification of the Bidders, the Employer may, at its discretion, ask any Bidder for a clarification of its Bid given a reasonable time for a response. Any clarification submitted by a Bidder that is not in response to a request by the Employer shall not be considered. The Employer's request for clarification and the response shall be in writing. No change, including any voluntary increase or decrease in the prices or substance of the Bid shall be sought, offered, or permitted.
	27.2	If a Bidder does not provide clarifications of its Bid by the date and time set in the Employer's request for clarification, its Bid may be rejected.
28. **Deviations, Reservations, and Omissions**	28.1	During the evaluation of Bids, the following definitions apply: a) "Deviation" is a departure from the requirements specified in the bidding document; b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the bidding document; and c) "Omission" is the failure to submit part or all of the information or documentation required in the bidding document.
29. **Determination of Responsiveness**	29.1	The Employer's determination of a Bid's responsiveness is to be based on the contents of the Bid itself, as defined in ITB 11.
	29.2	A substantially responsive Bid is one that meets the requirements of the bidding document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that: a) if accepted, would: i. affect in any substantial way the scope, quality, or performance of the Works specified in the Contract; or ii. limit in any substantial way, inconsistent with the bidding document, the Employer's rights or the Bidder's obligations under the proposed Contract; or b) if rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive Bids.
	29.3	The Employer shall examine the technical aspects of the Bid submitted in accordance with ITB 16, in particular, to confirm that all requirements of Section VII, Works' Requirements have been met without any material deviation, reservation or omission.
	29.4	If a Bid is not substantially responsive to the requirements of the bidding document, it shall be rejected by the Employer and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.
30. **Nonmaterial Nonconformities**	30.1	Provided that a Bid is substantially responsive, the Employer may waive any nonconformities in the Bid.
	30.2	Provided that a Bid is substantially responsive, the Employer may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify

		nonmaterial nonconformities in the Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.
	30.3	Provided that a Bid is substantially responsive, the Employer may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities in the Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.
31. **Conversion to Single Currency**	31.1	For evaluation and comparison purposes, the currency(ies) of the Bid shall be converted into a single currency as specified in the BDS.
32. **Margin of Preference**	32.1	Unless otherwise specified in the BDS, a margin of preference for domestic Bidders shall not apply.
33. **Subcontractors**	33.1	Unless otherwise stated in the BDS, the Employer does not intend to execute any specific elements of the Works by subcontractors selected in advance by the Employer, Financial Parts
	33.2	The subcontractor's qualifications shall not be used by the Bidder to qualify for the Works unless their specialized parts of the Works were previously designated by the Employer in the BDS as can be met by subcontractors referred to hereafter as 'Specialized Subcontractors', in which case, the qualifications of the Specialized Subcontractors proposed by the Bidder may be added to the qualifications.
	33.3	Bidders may propose subcontracting up to the percentage of total value of contracts or the volume of works as specified in the BDS. Subcontractors proposed by the Bidder shall be fully qualified for their parts of the Works.
34. **Evaluation of Bids**	34.1	The Employer shall use the criteria and methodologies listed in this ITB and Section III, Evaluation and Qualification criteria. No other evaluation criteria or methodologies shall be permitted. By applying the criteria and methodologies the Employer shall determine the Most Advantageous Bid. This is the Bid of the Bidder that meets the Qualification Criteria and whose Bid has been determined to be: a) substantially responsive to the bidding document; and b) the lowest evaluated cost.
	34.2	To evaluate a Bid, the Employer shall consider the following: a) the Bid price, excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities for admeasurement contracts, but including Daywork items, where priced competitively; For Lump Sum contracts, To evaluate a Bid, the Employer shall consider the following, the Bid price, excluding Provisional Sums and the provision, if any, for contingencies in the Summary Activity Schedule for admeasurement contracts, but including Daywork items, where priced competitively. b) price adjustment for correction of arithmetic errors in accordance with ITB 31.1; c) price adjustment due to discounts offered in accordance with ITB 14.4; d) converting the amount resulting from applying (a) to (c) above, if relevant, to a single currency in accordance with ITB 32; e) price adjustment for nonconformities in accordance with ITB 30.3; and f) the additional evaluation factors are specified in Section III,

		Evaluation and Qualification Criteria.
	34.3	The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation.
	34.4	If this bidding document allows Bidders to quote separate prices for different lots (contracts), the methodology to determine the lowest evaluated cost of the contract combinations, including any discounts offered in the Letter of Bid, is specified in ITB 34.5.
	34.5	**Multiple Contracts** **Pursuant to ITB 34.4 of the Instructions to Bidders, if Works are groupedin multiple contracts, evaluation will be asfollows:** (a) Award Criteria for Multiple Contracts [ITB 34.4]: **Lots** Bidders have the option to Bid for any one or more lots.Bids will be evaluated lot-wise, taking into account discounts offered, if any,after considering all possible combination of lots. The contract(s) will be awardedto the Bidder or Bidders offering the lowest evaluated cost to the Employer forcombined lots, subject to the selected Bidder(s) meeting the requiredqualification criteria for lot or combination of lots as the case may be. **Packages** Bidders have the option to Bid for anyone or more packages and for any one or more lots within a package. Bids willbe evaluated package-wise, taking into account discounts offered, if any, forcombined packages and/or lots within a package. The contract(s) will be awardedto the Bidder or Bidders offering the lowest evaluated cost to the Employer forcombined packages, subject to the selected Bidder(s) meeting the requiredqualification criteria for combination of packages and or lots as the case maybe. (b) Qualification Criteria for Multiple Contracts: Section III describes criteria for qualification for eachlot (contract) for multiple lots (contracts). The criteria for qualification isaggregate minimum requirement for respective lots as specified under items 3.1,3.2, 4.2(a) and 4.2(b). However, with respect to the specific experience underitem 4.2 (a) of Section III, the Employer will select any one or more of theoptions as identified below: N is the minimum number of contracts V is the minimum value of a single contract **(a) For one Contract**: **Option 1:** (i) N contracts, each of minimum value V; Or **Option2:** (i) N contracts, each of minimum value V; or (ii) Less than or equal to N contracts, each of minimumvalue V, but with total value of all

contracts equal or more than N x V.

(b) For multiple Contracts

Option1:

(i) Minimumrequirements for combined contract(s) shall be the aggregate requirements foreach contract for which the Bidder has submitted Bids as follows, and N1, N2,N3, etc. shall be different contracts:

Lot 1: N1 contracts, each of minimum value V1;

Lot 2: N2 contracts, each of minimum value V2;

Lot 3: N3 contracts, each of minimum value V3;

----etc.

or

Option 2:

(i) Minimumrequirements for combined contract(s) shall be the aggregate requirements foreach contract for which the Bidder has submitted Bids as follows, and N1, N2,N3,etc. shall be different contracts:

Lot 1: N1 contracts, each of minimum value V1;

Lot 2: N2 contracts, each of minimum value V2;

Lot 3: N3 contracts, each of minimum value V3;

----etc., **or**

(ii) Lot 1: N1 contracts, each of minimum value V1; ornumber of contracts less than or equal to N1, each of minimum value V1, butwith total value of all contracts equal or more than N1 x V1.

Lot 2: N2 contracts, each of minimum value V2; or number of contracts less thanor equal to N2, each of minimum value V2, but with total value of all contractsequal or more than N2 x V2.

Lot 3: N3contracts, each of minimum value V3; or number of contracts less than or equalto N3, each of minimum value V3, but with total value of all contracts equal ormore than N3 x V3.

----etc.

Or

Option3:

(i) Minimum requirements for combined contract(s) shallbe the aggregate requirements for each contract

		for which the Bidder has bidfor as follows, and N1, N2, N3, etc. shall be different contracts: Lot 1: N1 contracts, each of minimum value V1; Lot 2: N2 contracts, each of minimum value V2; Lot 3: N3 contracts, each of minimum value V3; ----etc., **or** (ii) Lot 1: N1contracts, each of minimum value V1; or number of contracts less than or equal to N1, each of minimum value V1, but with total value of all contracts equal ormore than N1 x V1. Lot 2: N2contracts, each of minimum value V2; or number of contracts less than or equal to N2, each of minimum value V2, but with total value of all contracts equal ormore than N2 x V2. Lot 3: N3contracts, each of minimum value V3; or number of contracts less than or equal to N3, each of minimum value V3, but with total value of all contracts equal ormore than N3 x V3. ----etc., or (iii) Subject to compliance as per (ii) above withrespect to minimum value of single contract for each lot, total number ofcontracts is equal or less than N1 + N2 + N3 +--but the total value of all suchcontracts is equal or more than N1 x V1 + N2 x V2 + N3 x V3 +---.
35. **Comparison of Bids**	35.1	The Employer shall compare the evaluated costs of all substantially responsive Bids established in accordance with ITB 34.2 to determine the Bid that has the lowest evaluated cost.
36. **Abnormally Low Bids**	36.1	An Abnormally Low Bid is one where the Bid price, in combination with other constituent elements of the Bid, appears unreasonably low to the extent that the Bid price raises material concerns as to the capability of the Bidder to perform the Contract for the offered Bid price.
	36.2	In the event of identification of a potentially Abnormally Low Bid, the Employer shall seek written clarifications from the Bidder, including detailed price analyses of its Bid price in relation to the subject matter of the contract, scope, proposed methodology, schedule, allocation of risks and responsibilities and any other requirements of the bidding document.
	36.3	After evaluation of the price analyses, in the event that the Employer determines that the Bidder has failed to demonstrate its capability to perform the Contract for the offered Bid Price, the Employer shall reject the Bid.
37. **Unbalanced or Front-Loaded Bids**	37.1	If the Bid for an admeasurement contract, which results in the lowest evaluated cost is, in the Employer's opinion, seriously unbalanced or, front loaded, the Employer may require the Bidder to provide written clarifications. Clarifications may include detailed price analyses to demonstrate the consistency of the Bid priceas with the scope of works, proposed methodology, schedule and any other requirements of the bidding document.
	37.2	After the evaluation of the information and detailed price analyses presented by the Bidder, the Employer may as appropriate:

		a) accept the Bid; or b) require that the amount of the Performance Security be increased at the expense of the Bidder to a level not exceeding 20% of the Contract Price; or c) reject the Bid.
38. **Qualification of the Bidder**	38.1	The Employer shall determine to its satisfaction whether the eligible Bidder that is selected as having submitted the lowest evaluated cost and substantially responsive Bid meets the qualifying criteria specified in Section III, Evaluation and Qualification Criteria.
	38.2	The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 17. The determination shall not take into consideration the qualifications of other firms such as the Bidder's subsidiaries, parent entities, affiliates, subcontractors (other than Specialized Subcontractors if permitted in the bidding document), or any other firm(s) different from the Bidder.
	38.3	Prior to Contract award, the Employer will verify that the successful Bidder (including each member of a JV) is not disqualified by the Bank due to noncompliance with contractual SEA/SH prevention and response obligations. The Employer will conduct the same verification for each subcontractor proposed by the successful Bidder. If any proposed subcontractor does not meet the requirement, the Employer will require the Bidder to propose a replacement subcontractor.
	38.4	An affirmative determination of qualification shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the Bid, in which event the Employer shall proceed to the substantially responsive Bid which offers the next lowest evaluated cost to make a similar determination of that Bidder's qualifications to perform satisfactorily.
39. **Most Advantageous Bid**	39.1	Having compared the evaluated costs of Bids, the Employer shall determine the Most Advantageous Bid. The Most Advantageous Bid is the Bid of the Bidder that meets the Qualification Criteria and whose Bid has been determined to be: a) substantially responsive to the bidding document; and b) the lowest evaluated cost.
40. **Employer's Right to Accept Any Bid, and to Reject Any or All Bids**	40.1	The Employer reserves the right to accept or reject any Bid, and to annul the Bidding process and reject all Bids at any time prior to Contract Award, without thereby incurring any liability to Bidders. In case of annulment, all Bids submitted and specifically, Bid securities, shall be promptly returned to the Bidders.
41. **Standstill Period**	41.1	The Contract shall not be awarded earlier than the expiry of the Standstill Period. The Standstill Period shall be ten (10) Business Days unless extended in accordance with ITB 45. The Standstill Period commences the day after the date the Employer has transmitted to each Bidder the Notification of Intention to Award the Contract. Where only one Bid is submitted, or if this contract is in response to an emergency situation recognized by the Bank, the Standstill Period shall not apply.
42. **Notification of Intention to Award**	42.1	The Employer shall send to each Bidder the Notification of Intention to Award the Contract to the successful Bidder. The Notification of Intention to Award shall contain, at a minimum, the following information: a) the name and address of the Bidder submitting the successful Bid; b) the Contract price of the successful Bid; c) the names of all Bidders who submitted Bids, and their Bid prices as readout, and as evaluated; d) a statement of the reason(s) the Bid (of the unsuccessful Bidder to whom the notification is addressed) was unsuccessful, unless the price information in c) above already reveals the reason; e) the expiry date of the Standstill Period;

		f) instructions on how to request a debriefing and/or submit a complaint during the standstill period.

F. AWARD OF CONTRACT

43. **Award Criteria**	43.1	Subject to ITB 40, the Employer shall award the Contract to the successful Bidder. This is the Bidder whose Bid has been determined to be the Most Advantageous Bid as specified in ITB 39.
44. **Notification of Award**	44.1	Prior to the expiration of the Bid validity, and upon expiry of the Standstill Period specified in ITB 41.1 or any extension thereof, and, upon satisfactorily addressing any complaint that has been filed within the Standstill Period, the Employer shall notify the successful Bidder, in writing, that its Bid has been accepted. The notification of award (hereinafter and in the Conditions of Contract and Contract Forms called the "Letter of Acceptance") shall specify the sum that the Employer will pay the Contractor in consideration of the execution of the contract (hereinafter and in the Conditions of Contract and Contract Forms called "the Contract Price").
	44.2	Within ten (10) Business Days after the date of transmission of the Letter of Acceptance, the Employer shall publish the Contract Award Notice which shall contain, at a minimum, the following information: a) name and address of the Employer; b) name and reference number of the contract being awarded, and the selection method used; c) names of all Bidders that submitted Bids, and their Bid prices as read out at Bid opening, and as evaluated; d) names of all Bidders whose Bids were rejected either as nonresponsive or as not meeting qualification criteria, or were not evaluated, with the reasons therefore; and e) the name of the successful Bidder, the final total contract price, the contract duration, and a summary of its scope.
	44.3	The Contract Award Notice shall be published through NeST, or in at least one newspaper of national circulation in the Employer's Country, or in the official gazette. The Employer shall also publish the contract award notice in UNDB online.
	44.4	Until a formal contract is prepared and executed, the Letter of Acceptance shall constitute a binding Contract.
45. **Debriefing by the Employer**	45.1	On receipt of the Employer's Notification of Intention to Award referred to in ITB 42.1, an unsuccessful Bidder has three (3) Business Days to make a written request to the Employer for a debriefing. The Employer shall provide a debriefing to all unsuccessful Bidders whose request is received within this deadline.
	45.2	Where a request for debriefing is received within the deadline, the Employer shall provide a debriefing within five (5) Business Days, unless the Employer decides, for justifiable reasons, to provide the debriefing outside this timeframe. In that case, the standstill period shall automatically be extended until five (5) Business Days after such debriefing is provided. If more than one debriefing is so delayed, the standstill period shall not end earlier than five (5) Business Days after the last debriefing takes place. The Employer shall promptly inform, by the quickest means available, all Bidders of the extended standstill period.
	45.3	Where a request for debriefing is received by the Employer later than the three (3)-Business Day deadline, the Employer should provide the debriefing as soon as practicable, and normally no later than fifteen (15) Business Days from the date of publication of Public Notice of Award of contract. Requests for debriefing received outside the three (3)-day deadline shall not lead to extension of the standstill period.
	45.4	Debriefings of unsuccessful Bidders may be done in writing or verbally. The Bidder shall bear their own costs of attending such a debriefing meeting.
46. **Signing of Contract**	46.1	The Employer shall send to the successful Bidder the Letter of Acceptance including the Contract Agreement.

	46.2	The successful Bidder shall sign, date and return to the Employer, the Contract Agreement within twenty-eight (28) days of its receipt.
47. **Performance Security**	47.1	Within twenty-eight (28) days of the receipt of the Letter of Acceptance from the Employer, the successful Bidder shall furnish the Performance Security and, if required in the BDS, the Environmental and Social (ES) Performance Security in accordance with the General Conditions of Contract, subject to ITB 37.2 (b), using for that purpose the Performance Security and ES Performance Security Forms included in Section X, Contract Forms, or another form acceptable to the Employer. If the Performance Security furnished by the successful Bidder is in the form of a bond, it shall be issued by a bonding or insurance company that has been determined by the successful Bidder to be acceptable to the Employer. A foreign institution providing a bond shall have a correspondent financial institution located in the Employer's Country, unless the Employer has agreed in writing that a correspondent financial institution is not required.
	47.2	Failure of the successful Bidder to submit the above-mentioned Performance Security and, if required in the BDS, the Environmental and Social (ES) Performance Security, or to sign the Contract Agreement shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event the Employer may award the Contract to the Bidder offering the next Most Advantageous Bid.
48. **Adjudicator**	48.1	The Employer proposes the person named in the BDS to be appointed as Adjudicator under the Contract, at the hourly fee specified in the BDS, plus reimbursable expenses. If the Bidder disagrees with this proposal, the Bidder should so state in his Bid. If, in the Letter of Acceptance, the Employer does not agree on the appointment of the Adjudicator, the Employer will request the Appointing Authority designated in the Particular Conditions of Contract (PCC) pursuant to Clause 23.1 of the General Conditions of Contract (GCC), to appoint the Adjudicator.

G. REVIEW OF PROCUREMENT DECISIONS

49. Procurement Related Complaint	49.1	If a Bidder wishes to make a Procurement-related Complaint, the Bidder shall submit its complaint through the system, to the Employer. In summary, a Procurement-related Complaint may challenge any of the following: 1. the terms of the Bidding Documents; and 2. the employer's decision to award the contract.
50. Right to Review	50.1	A Bidder who claims to have suffered or may suffer any loss or injury as a result of a breach of a duty imposed on the Employer or an approving authority in the course of these procurement proceedings may seek a review in accordance with the procedure set out hereunder.
51. Time Limit on Review	51.1	The Bidder shall submit an application for review within Seven (7) working days of the Bidder becoming or should have become aware of the circumstances giving rise to the complaint or dispute.
52. Submission of Applications for Review	52.1	Any application for administrative review shall be submitted through NeST to the Accounting Officer of the Employer and a copy shall be electronically served to the Public Procurement Regulatory Authority (PPRA).
	52.2	For Employers with delegated procurement functions, applications for administrative review for bids floated by the delegated Accounting Officer shall be submitted through NeST to the Accounting Officer with a copy electronically served to the delegated Accounting Officer and PPRA.
	52.3	The application for administrative review shall include: a) details of the procurement requirements to which the complaint relates; b) details of the provisions of the Act, Regulation, or provision that has been breached or omitted; c) an explanation of how the provisions of the Act, Regulation, or provision have been breached or omitted, including the dates and name of the responsible public officer, where known; d) documentary or other evidence supporting the complaint where available; e) remedies sought; and f) any other information relevant to the complaint.
	52.4	Upon receipt of a complaint, the Accounting Officer of a PE shall suspend the procurement proceedings.
	52.5	The Accounting Officer of a PE shall not entertain a complaint or dispute or continue to do so after the procurement contract has entered into force.
53. Decision by the Accounting Officer of PE	53.1	The Accounting Officer of a PE shall, within three (3) calendar days after receipt of the complaint or dispute, deliver a written decision which shall indicate: a) whether the application is upheld in whole, in part or rejected; b) the reasons for the decision; and c) any corrective measures to be taken.
	53.2	Where the Accounting Officer of a PE does not issue a decision within the time specified in ITT 53.1, the Bidder submitting the complaint or dispute or the PE shall be entitled to institute proceedings under ITT 54.1 [Review by the

		Public Procurement Appeals Authority (PPAA)] within three (3) calendar days after such specified time and upon instituting such proceedings, the competence of the Accounting Officer of a PE to entertain the complaint or dispute shall cease.
54. Review by the Public Procurement Appeals Authority (PPAA)	54.1	Complaints or disputes which, (a) are not settled within the specified period under ITT 53.1 [Decision by the Accounting Officer]; (b) the Bidder is not satisfied with the decision of the accounting officer; or (c) arise after the procurement contract has entered into force pursuant to ITT46 [Signing of Contract], shall be referred to the Appeals Authority within seven (7) working days from the date when the Bidder received the decision of the accounting officer or, in case no decision is issued after the expiry of the time stipulated under ITT54.1 or when the Bidder become aware or ought to have become aware of the circumstances giving rise to the complaint or dispute pursuant to ITT51.1 [Time Limit on Review]. The Appeals Authority shall, within forty five (45) days issue a written decision concerning the complaint or dispute stating the reasons for the decisions and the remedies granted if any. The decision of the Appeals Authority shall be binding to the parties on complaint or appeal and such decision may be enforced in any court of competent jurisdiction.
	54.2	PPAA may be contacted at the address shown in the **BDS.**

SECTION II: BID DATA SHEET (BDS)

The following specific data for the Works to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

A. Introduction

TDS. No	Required Information/Data	ITB Clause	Information/Data to be filled by the PE
1.	Scope of Bid	1.1	**The number of invitations for Bids is:** LGA/115/TACTIC/P171189/2024/2025/W/01 **The Employer is:** SINGIDA MUNICIPAL COUNCIL **The reference number of the Request for Bids (RFB) is:** LGA/115/TACTIC/P171189/2024/2025/W/01 **The name of the RFB is:** Singida Package 1: Upgrading of CBD & Industrial Roads and Construction of Misuna Modern Onion Market & Mnung'una Storm-water Drain in Singida Municipality **The number and identification of lots (contracts) comprising this RFB are** Not Applicable. Loan or Financing Agreement Amount: The United States dollarUSD 278,000,000 **The name of the Project is:** Tanzania Cities Transforming Infrastructure and Competitiveness (TACTIC) Project.
2.	Members of JVCA	4.1	The maximum number of members of JVCA shall be: 3.
3.	Debarred firms or individuals	4.5	A list of debarred firms and individuals is available on the Bank's external website: http://www.worldbank.org/debarr.

B. Contents of Bidding Documents

4.	Pre- Bid Meeting	7.4	Pre- bid Meeting will be held at 4th Floor, Millennium Tower I - Kijitonyama, New Bagamoyo Road - Dar es Salaam on 28/02/2025 at 10:00 hours local time.
5.	Site Visit	7.4	Site Visit will be held at Singida Municipality on 24/02/2025 at 09:00 hours local time.

C. Preparation of Bids

6.	Language of the Bid	10.1	Language of Bid and all correspondence shall be English including Language for translation of supporting documents and printed literature.
7.	Activity Schedule	11.1 (b)	The following schedules shall be submitted with the Bid: priced Bill of Quantities for admeasurement contracts.
8.	Additional Bidding Documents	11.1(k)	The Tenderer shall submit the following additional documents in its Tender: In compliance with ITB 11 and Section IV of the Bidding Document (Bidding Forms), the Bidder shall also submit the following Documents; 1. Schedule of Payment Currencies 2. Historical Contract Non-Performance, Pending Litigations and Litigation History 3. Environmental and Social Performance Declaration 4. SEA and/or SH Declaration 5. Financial Situation and Performance 6. Average Annual Construction Turnover 7. Financial Resources 8. General Construction Experience 9. Specific Construction and Contract Management Experience 10. Construction Experience in Key Activities 11. Specific Experience in Managing ES aspects 12. List of Key Personnel for this Tender (Note: in compliance with ITB 34.5 (Multiple Contracts), list of Key Personnel must consist of separate teams in case you are applying more than one Tender (different from this one) 13. List of Equipment for this Tender (Note: in compliance with ITB 34.5 (Multiple Contracts), list of Equipment must consist of separate Set-in case you are applying more than one Tender (different from this one)
9.	Alternative Bid	13.1	Not Applicable
10.	Alternative Times for Completion	13.2	Not Applicable.
11.	Alternative Technical Solutions	13.4	Not Applicable.
12.	Price Adjustment	14.5	The price shall be FIXED during the performance of the contract.
13.	Currency of the Bid	15.1	The currency in which the prices shall be quoted shall be: The Tanzanian Shilling. A Bidder expecting to incur expenditures in other currencies for inputs to the Works supplied from outside theEmployer's Country (referred to as the "foreign currency requirements") and wishing to be paid accordingly, shall indicate up to three foreign currencies of their choice expressed as a percentage of the Bid price, together with the exchange rates used in the calculations in the appropriate form(s) included in Section IV, Bidding Forms.
14.	Bid Validity Period	18.1	The bid shall be valid until 120 days.
15.	Bid Price Adjustment Factor	18.3(a)	Not Applicable.
16.	Bid Security type	19.1	The Bid Security shall be in the form of:

			Bid Security type shall be Tender Security - Bank Guarantee. The amount of Bid security is: 380,000,000.00. The currency of Bid security is:The Tanzanian Shilling.
17.	Other Form of Security	19.3(d)	Not Applicable.
18.	Bidder's ineligibility period	19.9	Not Applicable
19.	Written Confirmation of Authorization	20.3	The written confirmation of authorization to sign on behalf of the Bidder shall consist of Power of Attorney.

D: Submission of Bids

20.	The deadline for Bid submission	22.1 & 25.1	Bidders shall submit their Bids electronically. The deadline for Bid submission is: Date: 28/03/2025 Time: 10:00 AM hours local time. Bid opening shall be online through the system.

E. Evaluation and Comparison of Bids

21.	Currency for Converting Tender Prices	31.1	The currency that shall be used for Bid evaluation and comparison purposes to convert at the selling exchange rate all Bid prices expressed in various currencies into a single currency is: The Tanzanian Shilling. The source of the exchange rate shall be the Bank of Tanzania. The date for the exchange rate shall be the date of the bid invitation.
22.	Margin of Preference	32.1	A margin of domestic preference shall be Not Applicable.
23.	Subcontracting percentage	33.1	Not Applicable
24.	Subcontracting works	33.2	The parts of the Works for which the Employer permits Bidders to propose Specialized Subcontractors are designated as follows: Solar street light For the above-designated parts of the Works that may require Specialized Subcontractors, the relevant qualifications of the proposed Specialized Subcontractors will be added to the qualifications of the Bidder for the purpose of evaluation.
25.	Maximum Subcontracting Percent	33.3	Not Applicable

F. Award of contract

26.	Environmental and Social Performance Security	47.1 & 47.2	Environmental and Social Performance Security type will be ES Performance Security Bank Guarantee of 2 percent of the contract price.
27.	Adjudicator	48.1	The Adjudicator proposed by the Employer is: Prof. Ninatubu Lema. The hourly fee for this proposed Adjudicator shall be The Tanzanian Shilling 200,000. The biographical data of the proposed Adjudicator is as follows: Download

G. Right to review

28.	Address to Submit an Appeal to PPAA	54.2	The address for the Appeal to PPAA: The Executive Secretary, Public Procurement Appeals Authority, Ministry of Finance and Planning, Mkandarasi Place, 4th Floor Jakaya Kikwete Road P.O. Box 1385, Dodoma Tanzania Telephone +255 26 2962411 Mobile:+255743505505 Fax + 255 022 2120460 Email: info@ppaa.go.tz or es@ppaa.go.tz Website: www.ppaa.go.tz

SECTION III: EVALUATION AND QUALIFICATION CRITERIA

EVALUATION AND QUALIFICATION CRITERIA

Commercial Evaluation

1. Eligibility

Litigation History (SCORE: N/A)
Tenderers are required to provide litigation records resulting from contracts completed or ongoing under their execution (In case of Joint Venture, compliance requirements are all Parties Combined – Must Meet requirements and Each Member – Must Meet requirements).

Litigation History Start Year	Litigation History End Year
2019-01-01	2023-12-01
2019-01-01	2023-12-01

History of Non-performing Contracts (SCORE: N/A)
Non-performance, as decided by the Employer, shall include all contracts where (a) nonperformance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the contractor. Nonperformance shall not include contracts where Employers decision was overruled by the dispute resolution mechanism. Nonperformance must be based on all information on fully settled disputes or litigation, i.e., dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the Bidder have been exhausted. This requirement also applies to contracts executed by the Bidder as JV member.

Non-Performing Contracts Desription	Non-performance of a contract did not occur as a result of contractor default since 1st January, 2019 to date
Non-Performing Contracts Start Month and Year	January 1st, 2019
Non-Performing Contracts End Month and Year	December 31st, 2023
Non-Performing Contracts Reasons	Non-performance, as decided by the Employer, shall include all contracts where (a) nonperformance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the contractor. Nonperformance shall not include contracts where Employers decision was overruled by the dispute resolution mechanism. Nonperformance must be based on all information on fully settled disputes or litigation, i.e., dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the Bidder have been exhausted.

Completion Period (SCORE: N/A)
Bidders are required to comply with the completion period as proposed by the procuring entity unless alternative completion period is allowed.

Completion Time (Days)	455

Sexual Harassment Performance Declaration (SCORE: N/A)
Contractors are required to fill and submit the Sexual Exploitation and Abuse (SEA)/Sexual Harassment Performance Declaration.

2. Standard Tender Forms

Tender Validity Period (SCORE: N/A)
Bidders are required to confirm the bid validity period specified by the Procuring Entity.

Tender Validity Period (Days)	120

Notarized Special Power of Attorney (SCORE: N/A)
Bidder must fill in Standard Power of Attorney as per the required format and upload it into the system.

Tender Security (SCORE: N/A)
The bidder should submit bid security as per instructions to bidders.

3. Financial Situation and Performance

Pending Litigation (SCORE: N/A)
Bidder’s financial position and prospective long-term profitability sound according to criteria established and assuming that all pending litigation will be resolved against the Bidder

Pending Litigation Records	Bidder’s financial position and prospective long term profitability sound according to criteria established in financial capability and assuming that all pending litigation will be resolved against the Bidder
Pending Litigation Start Month and Year	January 1st, 2019
Pending Litigation End Month and Year	December 31st, 2023

Financial Statement (SCORE: N/A)
The audited balance sheets or, if not required by the laws of the Bidder’s country, other financial statements acceptable to the Employer, for the period stated shall be submitted and must demonstrate the current soundness of the Bidder’s financial position and indicate its prospective long-term profitability.

Financial Statement Start Date	2019-01-01
Financial Statement End Date	2023-12-31
Minimum Current Ratio [Current Assets(CA)/Current Liabilities(CL)]	1.1
Minimum Cash Ratio [Cash and Bank(C&B)/Current Liabilities(CL)]	N/A
Minimum Working Capital [Current Assets(CA)-Current Liabilities(CL)]	1.1
Minimum Gross Profit Margin [Gross Profit(GP)/Total Revenue(TR)*100]	N/A
Minimum Debt to Equity Ratio [Total Liabilities(TL)/Total Equity(TE)]	N/A

Minimum Return on Assets [Profit before Tax(PBT)/Total Assets(TA)*100]	N/A

Average Annual Turnover (SCORE: N/A)
Minimum average annual construction turnover stated, calculated as total certified payments received for contracts in progress and/or completed within the period stated (In case of Joint Venture, compliance requirements are: All Parties Combined – Must Meet requirements, Each Member – Must Meet percentage requirements and if One Member – Must Meet percentage requirements stated).

Average Annual Turnover Amount in TZS or any other freely convertible currency	22883904000
Turnover Start Date	2019-01-01
Turnover End Date	2023-12-31

Access to Financial Resources (Sources of Fund) (SCORE: N/A)
The Bidder shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements estimated stated for the subject contract(s) net of the Bidder’s other commitments.

Average fund amount from all sources (any freely convertible currency proposed by bidder)	3813984000

Technical Evaluation

1. Experience

Current Contract Commitment (SCORE: N/A)
Bidder must demonstrate that it has adequate sources of finance to meet the cash flow requirements on contracts currently in progress and for future contract commitments. (In the case of a Joint Venture, compliance requirements are: All Parties Combined – Must Meet requirements).

Current Commitment Start Year	2020-01-01
Current Commitment End Year	2024-12-31

General Experience in Construction Activities (SCORE: N/A)
Experience under construction contracts in the role of prime contractor, JV member, subcontractor, or management contractor for period stated.

Key Construction Activities	For any other contracts [substantially completed and under implementation] as prime contractor, joint venture member, or sub-contractor between 1st January 2019 and application submission deadline, a minimum construction experience in the following key activities successfully completed in any one year: construction involving; i) 15,000 m3 Cement Stabilized sub base course per year ii) 10,000 m3 crushed aggregate base course per year iii) 3,000 m3 Asphalt concrete per year 8,000 m3 concrete works per year

Specific Experience (SCORE: N/A)
Bidder is required to provide details of their previous and ongoing contracts to evidence their specific experience in construction assignments.

Specific Experience	A minimum number of similar contracts specified below that have been satisfactorily and substantially completed as a prime contractor, joint venture

	member
Specific Experience Start Year	2019-01-01
Specific Experience End Year	2023-12-31
Number of Specific Experience Contracts	2
Value of each specific experience contract in the specified tender currency	14302440000

General Experience (SCORE: N/A)
Bidder should provide details of their previous and ongoing contracts to evidence their general experience in construction.

General experience start date	2019-01-01
General experience end date	2024-12-31
Number of contract	2
Contract value in the specified currency	14302440000

General Experience in Key Activities (SCORE: N/A)
Experience in Key Activities: For any other contracts completed and/or under implementation as prime contractor/supplier/service provider, within the duration and with the minimum experience requested for the key activities. The minimum experience requirement for multiple contracts will be the sum of the minimum requirements for respective individual contracts, unless specified otherwise. (In case of Joint Venture, compliance requirements are: All Parties combined – Must Meet requirements and One Member - Must meet the requirements for the key activities listed and the corresponding minimum requirements).

Employer's Name and Contact	Insert Employer’s Name and Contact
Project Description	Insert Project Description
Project Amount	Insert Project Amount
Project Start Date	2019-01-01
Project End Date	2023-12-31
Key Activities	Insert key activities
Roles in Contract	Insert roles of contract
Key Personnel	Key personnel involved

2. Technical Specifications

Risk Management Plan (SCORE: N/A)
Bidders are required to submit a risk management plan that shows risk identification and impact assessment, risk response and control strategy, and roles and responsibilities in managing risks.

3. Key Personnel

Key Personnel (SCORE: N/A)
The Bidder must demonstrate that it will have suitably qualified (and in adequate numbers) Key Personnel, as described in the Specification. The Bidder shall provide details of the Key Personnel and such other Key Personnel that the Bidder considers appropriate to perform the Contract, together with their academic qualifications and work experience in the Qualification Information in the system.

Categories of Key Personnel	Education Level	Experience of Key Personnel	Number of Required Key Personnel
Architect	Degree in Architecture or equivalent	8	1
Land Surveyor	Degree or Advanced Diploma in Land Surveying	8	1
Social Expert	Degree in Social Science/Sociology or equivalent	5	1
Project Manager/Site Agent	Degree in Civil Engineering, Quantity Surveying or Architecture or equivalent	10	1
Health and Safety Officer	Degree/Diploma in Health/Social/Environmental Sciences and Certification by OSHA or similar Bodies/Authorities.	5	1
ICT Engineer	Degree in ICT Engineering or equivalent	5	1
Land Surveyor	Degree or Advanced Diploma in Land Surveying	8	1
Structural Engineer	Degree in Civil/Structure Engineering or equivalent	8	1
Materials / Highway Engineer	Degree in Civil Engineering	8	1
Electrical Technician	Certificate in Electrical Engineering or equivalent	5	1
Mechanical/Services Engineer	Degree in Mechanical Engineering or equivalent	8	1
Quantity Surveyor	Degree in Quantity Surveying or equivalent	8	1
Electrical Engineer	Degree in Electrical Engineering or equivalent	8	1
Environmental Expert	Degree in Environmental Science/Engineering or equivalent	8	1
Civil Technician	Certificate in Civil Engineering or equivalent	5	1
Mechanical Technician	Certificate in Mechanical Engineering or equivalent	5	1

4. Technical Submission

Site Organization (SCORE: N/A)
Bidder shall include an organizational diagram indicating his proposed project organization, including Head Office management and possible sub-contractors.

Equipment (SCORE: N/A)
The Bidder must demonstrate that it will have access to the key Contractor’s equipment listed. The Bidder shall provide further details of the proposed equipment in the Qualification Information.

Type of Key Equipment Required	Equipment Capacity	Start Year of Equipment Manufacture	End Year of Equipment Manufacture	Number of Equipment
Excavator	130kW/1.5m3	N/A	N/A	2

Concrete Batching Plant	10.0t/hr	N/A	N/A	1
Mobile Crane	25 tons	N/A	N/A	1
Steel Wheel Roller	10.0t	N/A	N/A	1
Wheel Loader	3.0m3	N/A	N/A	1
Smooth Drum Vibrating Roller	260kN/m/ 25Hz	N/A	N/A	2
Concrete Pump	REASONABLE	N/A	N/A	1
Back Hoe Excavator	0.5m3	N/A	N/A	1
Concrete Truck Mixer	8.0m3	N/A	N/A	2
Diesel Tank	10,000 lts	N/A	N/A	2
Pedestrian Roller	3tons	N/A	N/A	2
Tamping Roller	5tons	N/A	N/A	3
Water Pumps	50mm	N/A	N/A	2
Truck Mounted Crane	(5-10t)	N/A	N/A	1
Tipping Truck	15.0m3	N/A	N/A	5
Concrete Vibrator (Poker)	3kw	N/A	N/A	5
Diesel Generator	500kW	N/A	N/A	2
Reinforcement Bending Machine	Set	N/A	N/A	2
Motor Grader	150kW	N/A	N/A	1
Paver Mixer	120kW	N/A	N/A	1
Reinforcement Cutting Machine	Set	N/A	N/A	2
Pneumatic Tyred roller	15 ton	N/A	N/A	1
Bull dozers Tracked	240 hp	N/A	N/A	1
Asphalt Concrete and CRR Paving Machine	150hp	N/A	N/A	1
Concrete Pump	60m3/h	N/A	N/A	1

Mobilization Schedule (SCORE: N/A)

Bidders are required to submit a Mobilization Schedule for Personnel, Equipment, and Materials.

Mobilization Schedule	Mobilization schedule Submit the mobilization schedule for the project and the following documents; 1. Schedule of Payment Currencies 2. Historical Contract Non-Performance, Pending Litigations and Litigation History 3. Environmental and Social Performance Declaration 4. SEA and/or SH Declaration 5. Financial Situation and Performance 6. Average Annual Construction Turnover 7. Financial Resources 8. General Construction Experience 9. Specific Construction and Contract Management Experience 10. Construction Experience in Key Activities 11. Specific Experience in Managing ES aspects 12. List of Key Personnel for this Tender (Note: in compliance with ITB 34.5 (Multiple Contracts), list of Key Personnel must consist of separate teams in case you are applying more than one Tender (different from this one) 13. List of Equipment for this Tender (Note: in compliance with ITB 34.5 (Multiple Contracts), list of Equipment must consist of separate Set-in case you are applying more than one Tender (different from this one) 14. Bid security

Method Statement (SCORE: N/A)
Bidders are required to submit clear details on how works will be executed and completed in accordance with the proposed program and, thereafter upload the document into the system for submission.

Environmental and Social Management Strategies and Implementation Plans (ES-MSIP) (SCORE: N/A)
Bidder shall provide comprehensive and concise environmental and Social Management Strategies and Implementation Plans as per requirements.

Environmental and Social Management Strategies and Implementation Plans (ES-MSIP)	Provide comprehensive and concise Environmental and Social Management Strategies and implementation Plans as per requirements

Financial Evaluation

1. Priced Bills of Quantities

Priced Bill of Quantities (SCORE: N/A)
Bidders are required to quote each item in the Bills of Quantities as per the procuring entity's requirements.

Section IV - BIDDING FORMS

Letter of Bid

(Form is available in the system during bid submission)

Bills of Quantities and Activity Schedule

(Format for BoQ, Schedule of Payment Currencies*, and* Schedule(s) of Adjustment Data *submission is available in the system during bid submission)*

Forms of Bid Security

(Form is available in the system during bid submission)

Form of Bid Security - Bank Guarantee

[Guarantor letterhead or SWIFT identifier code]

Beneficiary:

***[Insert name and address of the* Employer]**

Request for Bids No: _[Insert reference number for the Request for Bids]

Date: [Insert date of issue]

BID GUARANTEE No.: [Insert guarantee reference number]

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

We have been informed that [insert name of the Bidder, which in the case of a joint venture shall be the name of the joint venture (whether legally constituted or prospective) or the names of all members thereof] (hereinafter called "the Applicant") has submitted or will submit to the Beneficiary its Bid (hereinafter called "the Bid") for the execution of *[insert description ofcontract]* under Request for Bids No. [*insertnumber*] ("the RFB").

Furthermore, we understand that, according to the Beneficiary's conditions, Bids must be supported by a Bid guarantee.

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

(a) has withdrawn its Bid prior to the Bid validity expiry date specified by the Applicant in the Letter of Bid, or any extended date provided by the Applicant; or

(b) having been notified of the acceptance of its Bid by the Beneficiary prior to the expiry date of the Bid validity or any extension thereto provided by the Applicant, (i)fails to execute the contract agreement or (ii) fails to furnish the performance security and, if required, the Environmental and Social (ES) Performance Security, in accordance with the Instructions to Bidders ("ITB") of the Beneficiary's bidding document.

This guarantee will expire: (a) if the Applicant is the successful Bidder, upon our receipt of copies of the contract agreement signed by the Applicant and the performance security and, if required, the Environmental and Social (ES) Performance Security, issued to the Beneficiary in relation tosuch contract agreement; and (b) if the Applicant is not the successful Bidder,upon the earlier of (i) our receipt of a copy of the Beneficiary's notificationto the Applicant of the results of the Bidding process; or (ii) twenty-eight days after the expiry date of the Bid validity.

Consequently, any demand for payment underthis guarantee must be received by us at the office indicated above on orbefore that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758.

_____

[signature(s)]

Note: Allitalicized text is for use in preparing this form and shall be deleted from thefinal product.

Form of Bid Security – Bid Bond

[The Surety shall fill in this Bid Bond Form in accordance with the instructions indicated.]

BOND NO. _____

BY THIS BOND [name of Bidder] as Principal(hereinafter called "the Principal"), and *[name,legal title, and address of surety],* authorized to transact business in [name of country of Employer], as Surety(hereinafter called "the Surety"), are held and firmly bound unto [name of Employer] as Obligee (hereinafter called "the Employer") in the sum of *[amount of Bond] [amount in words],* for the payment ofwhich sum, well and truly to be made, we, the said Principal and Surety, bindourselves, our successors and assigns, jointly and severally, firmly by thesepresents.

WHEREAS the Principal has submitted a written Bid to the Employer dated the ___ day of_____, 20__, for the execution of *[nameof Contract]* (hereinafter called the "Bid").

NOW, THEREFORE, THECONDITION OF THIS OBLIGATION is such that if the Principal:

(a) has withdrawn its Bid prior to the Bid validity expiry date set forth in thePrincipal's Letter of Bid, or any extended date provided by the Principal; or

(b) having been notified of theacceptance of its Bid by the Employer prior to theexpiry date of the Bid validity or any extension thereto provided by the Principal:(i) failed to execute the contract agreement; or (ii) has failed to furnish thePerformance Security and, if required, the Environmental and Social (ES) Performance Security, in accordance with theInstructions to Bidders ("ITB") of the Employer's bidding document.

then the Suretyundertakes to immediately pay to the Employer up to the above amount uponreceipt of the Employer's first written demand, without the Employer having tosubstantiate its demand, provided that in its demand the Employer shall statethat the demand arises from the occurrence of any of the above events,specifying which event(s) has occurred.

The Surety herebyagrees that its obligation will remain in full force and effect up to andincluding the date 28 days after the date of expiration Bid validity set forthin the Principal's Letter of Bid or any extension thereto provided by thePrincipal.

IN TESTIMONY WHEREOF, the Principal and the Surety have caused these presents to be executedin their respective names this ____ day of _____ 20__.

Principal:_____ **Surety:**_____
Corporate Seal (where appropriate)

_____ _____
(Signature) (Signature)
(Printed name and title) (Printedname and title)

Note: The amount of the Bond shall be denominated in the currency of the Employer's country or the equivalent amount in a freely convertible currency.

Form of Bid-Securing Declaration

Date: *[insert date (as day, month and year)]*
RFB No.: *[insert number of Bidding process]*
Alternative No.: *[insert identification No if this is a Bid for analternative]*

To: *[insert complete name of Employer]*

We, the undersigned, declare that:

We understand that,according to your conditions, bids must be supported by a Bid-SecuringDeclaration.

We accept that we willautomatically be suspended from being eligible for bidding or submitting proposals in anycontract with the Employer for the period of time specified in Section II – Bid Data Sheet if we arein breach of our obligation(s) under the bid conditions, because we:

(a) havewithdrawn our Bid prior to the expiry date of the Bidvalidity specified in the Letter of Bid or any extendeddate provided by us; or

(b) havingbeen notified of the acceptance of our Bid by the Employer prior to the expiry date of the Bid validity in the Letter of Bid or anyextended date provided by us, (i) fail or refuse to executethe Contract, if required, or (ii) fail or refuse to furnish the Performance Security and, if required, the Environmentaland Social (ES) Performance Security, in accordance with theITB.

We understand thisBid-Securing Declaration shall expire if we are not the successful Bidder, uponthe earlier of (i) our receipt of your notification to us of the name of thesuccessful Bidder; or (ii) twenty-eight days after the expiry date of the Bidvalidity.

Name of the Bidder***** *[insertcomplete name the Bidder]*

Name of the person dulyauthorized to sign the Bid on behalf of the Bidder****** *[insert complete name of person dulyauthorized to sign the Bid]*

Title of the person signing theBid *[insert complete title of the person signing the Bid]*

Signature of the person namedabove *[insert signature of person whose name and capacity are shown above]*

Date signed _*[insert date ofsigning]* day of [*insertmonth], [insert year]*

*****: In the case of the Bid submitted by jointventure specify the name of the Joint Venture as Bidder

**:Person signing the Bid shall have the power of attorney given by the Bidder tobe attached with the Bid *[Note: In case of a Joint Venture, the Bid-Securing Declarationmust be in the name of all members to the Joint Venture that submits the Bid.]*

Special Power of Attorney

(Form is available in the system during bid submission)

[Bidder's Header]

STANDARD POWER OF ATTORNEY

[This form shall be used by firms]

TO ALL IT MAY CONCERN

THAT BYTHIS POWER OF ATTORNEY given on the *[insertdate, month and year*],
WE the undersigned [*insert name of the Company/Donor*]of *[insert address of the Company/Donor*],by virtue of authority conferred to us by the Board Resolution No *[insertBoard Resolution Number]* of *[insert day]* day of *[insert BoardResolution month and year]*, do hereby ordain, nominate authorize, empower and appoint *[insert name of Donee]*of *[insert address of the Donee]*to be our true lawful Attorney and Agent, with full power and authority, for us and in our names, and for our accounts and benefits, to do any, or all of the following acts, in the execution of tender No. *[insert tender number*] for *[insertdescription of procurement]* that is to say;
To act for the company and do any other thing or things incidental for [insert tender Number] for [insert description of procurement] for the [*insert name of the procuring entity*];
AND provided always that this Power of Attorney shall not revoke or in any manner affect any future Power of Attorney given to any other person or persons for such other power or powers shall remain and be of the same force and affect as if this deed has not been executed.
AND we hereby undertake to ratify everything, which our Attorney or any substitute or substitutes or agent or agents appointed by him under this power on his behalf herein before contained shall do or purport to do in virtue of this Power of Attorney.
SEALED with the common seal of the said*[insert name of the company]* and delivered in the presence of us this [insert date] day of *[insert month] [insert year]*.
IN WITNESS whereof we have signed this deed on this *[insert date]* day of *[insert month] [insert year]* at *[insertregion]* for and on behalf of *[insertname of the company]* ……

SEALED and **DELIVERED**by the
Common Sealof [*insert name of the Donor/coy]*
This [insert date, month and year]

DONOR

BEFORE ME:
COMMISSIONERFOR OATHS

ACKNOWLEDGEMENT

I [insert name of Donee] doth herebyacknowledge and accept to be Attorney of the said [*insert name of the company/donor*] under the terms and conditionscontained in this POWER OF ATTORNEY and I promise to perform and discharge myduties as the lawfully appointed Attorney faithfully and honestly.
SIGNED ANDDELIVERED by the said
[Insert name of Donee] Identified to me
by *[insert name]*
The latterknown to me personally
This [insert date, month and year],

DONEE

BEFORE ME
COMMISSIONERFOR OATHS

TECHNICAL PROPOSALS FORMS

1	Key Personnel Schedule	The bidders should provide the names and details of the suitably qualified Key Personnel to perform the Contract. Data on their experience should be updated in the tenderer profile i.e. Qualifications Information through the system for each candidate to allow submission of the same during bid application.
2	Equipment	The bidder shall provide adequate information to demonstrate clearly that it can meet the requirements for the key equipment listed in Section III (Evaluation and Qualification Criteria).
3	Site Organization	The bidder shall submit through the system an organizational diagram indicating his proposed project organization, including Head Office management and possible sub-contractors. The chart shall be sufficiently detailed to enable an assessment of the number of supervisory staff and foremen available on-site to the extent that CVs requested under Personnel, such candidate shall be identifiable on the attached organization diagram.
4	Method Statement	The bidder is required to submit through the system the expected hereunder and to detail clearly how he intends to execute the works and complete the entire work in accordance with the proposed programme.
5	Mobilization Schedule	The bidder is required to submit a mobilization schedule as per the requirements of the employer.
6	Construction Schedule	The bidder is required to submit a construction schedule as per the requirements of the employer.
7	ES Management Strategies and Implementation Plans (ES-MSIP)	The Bidder shall submit comprehensive and concise Environmental and Social Management Strategies and Implementation Plans (ES-MSIP) as required by ITB 11.1 (i) ofthe Bid Data Sheet. These strategies and plans shall describe in detail the actions, materials, equipment, management processes etc. that will be implemented by the Contractor, and its subcontractors. In developing these strategies and plans, the Bidder shall have regard to the ES provisions of the contract including those as may be more fully described in the Works Requirements in Section VII.

Note to the Bidder:

The minimum content of the Code of Conduct form as set out by the Employer shall not be substantially modified. However, the Bidder may add requirements as appropriate, including taking into account Contract-specific issues/risks.

The Bidder shall initial and submit the Code of Conduct form as part of its bid.

CODE OF CONDUCT FOR CONTRACTOR'S PERSONNEL

We are the Contractor, [*enter name of Contractor*]. We have signed a contract with [*entername of Employer*] for [*enter description of the Works*]. These Works will be carried out at [enter the Site and other locations where the Works will be carried out]. Our contract requires us to implement measures to address environmental and social risks related to the Works, including the risks of sexual exploitation, sexual abuse, and sexual harassment.

This Code of Conduct is part of our measures to deal with environmental and social risks related to the Works. It applies to all our staff, laborers, and other employees at the Works Site or other places where the Works are being carried out. It also applies to the personnel of each subcontractor and any other personnel assisting us in the execution of the Works. All such persons are referred to as "**Contractor's Personnel"** and are subject to this Code of Conduct.

This Code of Conduct identifies the behavior that we require from all Contractor's Personnel.

Our workplace is an environment where unsafe, offensive, abusive, or violent behavior will not be tolerated and where all persons should feel comfortable raising issues or concerns without fear of retaliation.

REQUIRED CONDUCT

Contractor's Personnel shall:

1. carry out his/her duties competently and diligently;
2. comply with this Code of Conduct and all applicable laws, regulations, and other requirements, including requirements to protect the health, safety, and well-being of other Contractor's Personnel and any other person;
3. maintain a safe working environment including by:
    a. ensuring that workplaces, machinery, equipment, and processes under each person's control are safe and without risk to health;
    b. wearing required personal protective equipment;
    c. usingappropriate measures relating to chemical, physical and biological substancesand agents; and
    d. followingapplicable emergency operating procedures.
4. reportwork situations that he/she believes are not safe or healthy and remove himself/herself from a work situation which he/she reasonably believes presents an imminent and serious danger to his/her life or health;
5. treat other people with respect, and not discriminate against specific groups such as women, people with disabilities, migrant workers or children;
6. not engage in Sexual Harassment, which means unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature with other Contractor's or Employer's Personnel;
7. not engage in Sexual Exploitation, which means any actual or attempted abuse ofposition of vulnerability, differential power or trust, for sexual purposes, including, but not limited to, profiting monetarily, socially or politically from the sexual exploitation of another;
8. not engage in Sexual Abuse, which means the actual or threatened physical intrusion of a sexual nature, whether by force or under unequal or coercive conditions;
9. not engage in any form of sexual activity with individuals under the age of 18, except in case of pre-existing marriage;
10. complete relevant training courses that will be provided related to the environmental and social aspects of the Contract, including on health and safety matters, and Sexual Exploitation and Abuse (SEA), and Sexual Harassment (SH);
11. report violations of this Code of Conduct; and
12. not retaliate against any person who reports violations of this Code of Conduct, whether to us or the Employer, or who makes use of the grievance mechanism for Contractor's Personnel or the project's Grievance Redress Mechanism.

RAISING CONCERNS

If any person observes behavior that he/she believes may represent a violation of this Code of Conduct, or that otherwise concerns him/her, he/she should raise the issue promptly. This can be done in either of the following ways:

1. Contact [*enter name of the Contractor's Social Expert with relevant experience in handling gender-based violence, or if*

such person is not required under the Contract, another individual designated by the Contractor to handle these matters] inwriting at this address [ ] or by telephone at [ ] or in person at [ ]; or

2. Call [ ] to reach the Contractor'shotline *(if any)* and leave a message.

The person's identity will be kept confidential, unless reporting of allegations is mandated by the country law. Anonymous complaints or allegations may also be submitted and will be given all due and appropriate consideration. We take seriously all reports of possible misconduct and will investigate and take appropriate action. We will provide warm referrals to service providers that may help support the person who experienced the alleged incident, as appropriate.
There will be no retaliation against any person who raises a concern in good faith about any behavior prohibited by this Code of Conduct. Such retaliation would be a violation of this Code of Conduct.

CONSEQUENCES OF VIOLATING THE CODE OF CONDUCT

Any violation of this Code of Conduct by Contractor's Personnel may result in serious consequences, up to and including termination and possible referral to legal authorities.

FOR CONTRACTOR'S PERSONNEL:

I have received a copy of this Code of Conduct written in a language that I comprehend. I understand that if I have any questions about this Code of Conduct, I can contact [*entername of Contractor's contact person with relevant experience*] requesting anexplanation.

Name of Contractor's Personnel:[insert name]

Signature:_____

Date: (day month year): _____

Counter signature of authorized representative of the Contractor:

Signature:_____

Date: (day month year):_____

ATTACHMENT 1: Behaviors constituting Sexual Exploitation and Abuse (SEA) and behaviors constituting Sexual Harassment (SH)

ATTACHMENT 1 TO THE CODE OF CONDUCT FORM

BEHAVIORS CONSTITUTING SEXUAL EXPLOITATION AND ABUSE (SEA) AND BEHAVIORS CONSTITUTING SEXUAL HARASSMENT (SH)

The following non-exhaustive list is intended to illustrate types of prohibited behaviors:
(1) Examples of sexual exploitation and abuse include, but are not limited to:

a. A Contractor's Personnel tells a member of the community that he/she can get them jobs related to the work site (e.g. cooking and cleaning) in exchange for sex.
b. A Contractor's Personnel that is connecting electricity input to households says that he can connect women headed households to the grid in exchange for sex.
c. A Contractor's Personnel rapes, or otherwise sexually assaults a member of the community.
d. A Contractor's Personnel denies a person access to the Site unless he/she performs a sexual favor.
e. A Contractor's Personnel tells a person applying for employment under the Contract that he/she will only hire him/her if he/she has sex with him/her.

(2) Examples of sexual harassment in a work context
a. Contractor's Personnel comment on the appearance of another Contractor's Personnel (either positive or negative) and sexual desirability.
b. When a Contractor's Personnel complains about comments made by another Contractor's Personnel on his/her appearance, the other Contractor's Personnel comment thathe/she is "asking for it" because of how he/she dresses.
c. Unwelcome touching of a Contractor's or Employer's Personnel by another Contractor'sPersonnel.
d. A Contractor's Personnel tells another Contractor's Personnel that he/she will get him/her a salary raise, or promotion if he/she sends him/her naked photographs of himself/herself.

Bidders Qualification

Bidder's name
In the case of a Joint Venture (JV), the name of each member:
Bidder's actual or intended country of registration: *[indicate country of Constitution]*
Bidder's actual or intended year of incorporation:
Bidder's legal address [in country of registration]:
Bidder's authorized representative information Name: _____ Address: _____ Telephone/Fax numbers: _____ E-mail address: _____
1. Attached are copies of the original documents of ¨ Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above, in accordance with ITB 4.4. ¨ In the case of JV, letter of intent to form JV or JV agreement, in accordance with ITB 4.1. ¨ In the case of state-owned enterprise or institution, in accordance with ITB 4.6 documents establishing: • Legal and financial autonomy • Operation under commercial law • Establishing that the Bidder is not under the supervision of the Employer 2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership. *[If required under BDS ITB 47.1, the successful Bidder shall provide additional information on beneficial ownership, using the Beneficial Ownership Disclosure Form.]*

Information Form for JV Bidders

(to be completed for each member of the Joint Venture)

Bidder's Joint Venture name:

JV member's name:

JV member's country of registration:

JV member's year of constitution:

JV member's legal address in the country of the constitution:

JV member's authorized representative information

Name: _____

Address: _____

Telephone/Fax numbers: _____

E-mail address: _____

1. Attached are copies of the original documents of

¨ Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above, in accordance with ITB 4.4.

¨ In the case of a state-owned enterprise or institution, documents establishing legal and financial autonomy, operation in accordance with commercial law, and is not under the supervision of the Employer, in accordance with ITB 4.6.

2. Included are the organizational chart, a list of the Board of Directors, and the beneficial ownership. *[If required under BDS ITB 47.1, the successful Bidder shall provide additional information on beneficial ownership for each JV member using the Beneficial Ownership Disclosure Form.]*

Historical Contract Non-Performance, Pending Litigation, and Litigation History

Non-Performed Contracts in accordance with Section III, Evaluation and Qualification Criteria			
¨ Contract non-performance did not occur since 1st January *[insert year]* ¨ Contract(s) not performed since 1st January *[insert year]*			
Year	**Non-performed portion of the contract**	**Contract Identification**	**T (c ex**
[insert year]	*[insert amount and percentage]*	Contract Identification: *[indicate complete contract name/ number, and any other identification]* Name of Employer: *[insert full name]* Address of Employer: *[insert street/city/country]* Reason(s) for nonperformance: *[indicate main reason(s)]*	*[in*

Pending Litigation, in accordance with Section III, Evaluation and Qualification Criteria			
¨ No pending litigation			
¨ Pending litigation.			
Year of dispute	**Amount in dispute (currency)**	**Contract Identification**	**Total Contrac (currency), USD (exchange**
		Contract Identification: _____ Name of Employer: _____ Address of Employer: _____ Matter in dispute: _____ Party who initiated the dispute: ____ Status of dispute: _____	
		Contract Identification: Name of Employer: Address of Employer: Matter in dispute: Party who	

		initiated the dispute: Status of dispute:	

Litigation History in accordance with Section III, Evaluation and Qualification Criteria			
¨ No Litigation History ¨ Litigation History			
Year of award	**Outcome as percentage of Net Worth**	**Contract Identification**	**Total Contrac (currency), USD (exchange**
[insert year]	*[insert percentage]*	Contract Identification: [indicate complete contract name, number, and any other identification] Name of Employer: *[insert full name]* Address of Employer: *[insert street/city/country]* Matter in dispute: *[indicate main issues in dispute]* Party who initiated the dispute: *[indicate "Employer" or "Contractor"]* Reason(s) for Litigation and award decision *[indicate main reason(s)]*	*[insert amount]*

Environmental and Social Performance Declaration

[The following table shall be filled in for the Bidder, each member of a Joint Venture, and each Specialized Subcontractor]

Environmental and Social Performance Declaration

in accordance with Section III, Qualification Criteria, and Requirements

¨ **No suspension or termination of contract**: An employer has not suspended or terminated a contract and/or called the performance security for a contract for reasons related to Environmental, or Social (ES) performance since the date specified in Section III, Evaluation and Qualification Criteria, Sub-Factor 2.5.

¨ **Declaration of suspension or termination of contract**: The following contract(s) has/have been suspended or terminated and/or Performance Security called by an employer(s) for reasons related to Environmental, or Social (ES)performance since the date specified in Section III, Evaluation and Qualification Criteria, Sub-Factor 2.5. Details are described below:

Year	**Suspended or terminated portion of contract**	**Contract Identification**	**Total Contract Amount (current value, currency, exchange rate and US$ equivalent)**
[insert year]	*[insert amount and percentage]*	Contract Identification: *[indicate complete contract name/ number, and any other identification]* Name of Employer: *[insert full name]* Address of Employer: *[insert street/city/country]* Reason(s) for suspension or termination: *[indicate main reason(s) e.g. for gender-based violence; sexual exploitation or sexual abuse breaches]*	*[insert amount]*
[insert year]	*[insert amount and percentage]*	Contract Identification: *[indicate complete contract name/ number, and any other identification]* Name of Employer: *[insert full name]* Address of Employer: *[insert street/city/country]* Reason(s) for suspension or termination: *[indicate main reason(s)]*	*[insert amount]*
…	…	*[list all applicable contracts]*	…

Performance Security called by an employer(s) for reasons related to ES performance

Year	Contract Identification	Total Contract Amount (current value, currency, exchange rate and US$ equivalent)
[insert year]	Contract Identification: *[indicate complete contract name/ number, and any other identification]* Name of Employer: *[insert full name]* Address of Employer: *[insert street/city/country]* Reason(s) for calling of performance security: *[indicate main reason(s) e.g. for gender-based violence; sexual exploitation, or sexual abuse breaches]*	*[insert amount]*

Sexual Exploitation and Abuse (SEA) and/or Sexual Harassment Performance Declaration

SEA and/or SH Declaration

in accordance with Section III, Evaluation and Qualification Criteria

We:

¨ (a) have not been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations

¨ (b) are subject to disqualification by the Bank for non-compliance with SEA/ SH obligations

¨ (c) had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations. An arbitral award on the disqualification case has been made in our favor.

¨ (d) had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations for a period of two years. We have subsequently demonstrated that we have adequate capacity and commitment to comply with SEA/ SH obligations.

¨ (e) had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations for a period of two years. We have attached evidence demonstrating that we have adequate capacity and commitment to comply with SEA/ SH obligations.

[*If (c) above is applicable, attach evidence of an arbitral award reversing the findings on the issues underlying the disqualification.]*

[If (d) or (e) above are applicable, provide the following information:]

Period of disqualification: From: _____ To: _____

If previously provided on another Bank financed works contract, details of evidence that demonstrated adequate capacity and commitment to comply with SEA/ SH obligations (**as per (d) above)**

Name of Employer: _____

Name of Project: _____

Contract description: _____

Brief summary of evidence provided: _____

_____

Contact Information: (Tel, email, name of contact person): _____

_____

As an alternative to the evidence under (d), other evidence demonstrating adequate capacity and commitment to comply with SEA/ SH obligations (**as per (e) above)** *[attach details as appropriate]*.

Current Contract Commitments / Works in Progress

Bidders and each member of a JV should provide information on their current commitments on all contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

Name of contract	**Employer, contact address/tel/fax**	**Value of outstanding work (current US$ equivalent)**	**Estimated completion date**	**Average monthly invoicing over the last six months (US$/month)**
1.				
2.				
3.				
4.				
5.				
etc.				

Financial Situation and Performance

1. Financial data

Type of Financial information in (currency)	**Historic information for previous _____*years*, _____ (amount in currency, currency, exchange rate, USD equivalent)**				
	Year 1	Year 2	Year 3	Year4	Year 5
Statement of Financial Position (Information from Balance Sheet)					
Total Assets (TA)					
Total Liabilities (TL)					
Total Equity/Net Worth (NW)					
Current Assets (CA)					
Current Liabilities (CL)					
Working Capital (WC)					
Information from Income Statement					
Total Revenue (TR)					
Profits Before Taxes (PBT)					
Cash Flow Information					
Cash Flow from Operating Activities					

2. Sources of Finance

Specify sources of finance to meet the cash flow requirements on works currently in progress and for future contract commitments.

No.	**Source of finance**	**Amount (US$ equivalent)**
1		
2		
3		

3. Financial documents

The Bidder and its parties shall provide copies of financial statementsfor number of years requested by employer pursuant Section III, Evaluation and Qualifications Criteria, Sub-factor3.2. The financial statements shall:

(a) reflect the financial situation of the Bidderor in case of JV member, and not an affiliated entity (such as parent companyor group member).

(b) be independentlyaudited or certified in accordance with local legislation.

(c) be complete,including all notes to the financial statements.

(d) correspond to accounting periods alreadycompleted and audited.

Attached are copies offinancial statements for the number of years requested by employer; and complying with the requirements. Note: If the most recent set of financialstatements is for a period earlier than 12 months from the date of bid, thereason for this should be justified.

Average Annual Construction Turnover

	Annual turnover data (construction only)		
Year	**Amount** **Currency**	**Exchange rate**	**USD equivalent**
[indicate year]	[insert amount and indicate currency]		
Average Annual Construction Turnover *			

Financial Resources

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total construction cash flow demands of the subject contract or contracts as specified in Section III, Evaluation and QualificationCriteria.

S/N	Source of financing	Amount (US$ equivalent)
1.		
2.		
3.		
4.		

General Construction Experience

Starting Year	Ending Year	Contract Identification	Role of Bidder
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of Employer: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of Employer: _____ Address: _____	
		Contract name: _____ Brief Description of the Works performed by the Bidder: _____ Amount of contract: _____ Name of Employer: _____ Address: _____	

Specific Construction and Contract Management Experience

Similar Contract No.	**Information**			
Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor ¨	Member in JV ¨	Management Contractor ¨	Sub-contractor ¨
Total Contract Amount			US$ *	
If member in a JV or subcontractor, specify participation in total Contract amount			*	
Employer's Name:				
Address: Telephone/fax number E-mail:				
Description of the similarity in accordance with Sub-Factor 4.2(a) of Section III:				
1. Amount				
2. Physical size of required works items				
3. Complexity				
4. Methods/Technology				
5. Construction rate for key activities				
6. Other Characteristics				

Construction Experience in Key Activities

All subcontractors for key activities must complete the information through the system as per ITB 34.2 and 34.3 and Section III, Qualification Criteria and Requirements, Sub-Factor 4.2.

1. Key Activity No One: _____

	Information			
Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor ¨	Member in JV ¨	Management Contractor ¨	Sub-contractor ¨
Total Contract Amount			US$	
Quantity (Volume, number or rate of production, as applicable) performed under the contract per year or part of the year	Total quantity in the contract (i)	Percentage participation (ii)		Actual Quantity Performed (i) x (ii)
Year 1				
Year 2				
Year 3				
Year 4				
Employer's Name:				
Address: Telephone/fax number E-mail:				
Description of the key activities in accordance with Sub-Factor 4.2(b) of Section III:				

Specific Experience in Managing ES aspects

1. Key Requirement No. 1 in accordance with 4.2 (c): _____

Contract Identification				
Award date				
Completion date				
Role in Contract	Prime Contractor ¨	Member in JV ¨	Management Contractor ¨	Subcontractor ¨
Total Contract Amount			US$	
Details of relevant experience				

2. Key Requirement No. 2 in accordance with 4.2 (c): _____

3. Key Requirement No. 3 in accordance with 4.2 (c): _____

4. …

Eligibility for the Provision of Goods, Works, and Services in Bank-Financed Procurement

In reference to ITB 4.8, and 5.1, for the information of the Bidders, at the present time firms, goods, and services from the following countries are excluded from this Bidding process:

Under ITB 4.8(a) and 5.1 and Under ITB 4.8(b) and 5.1

Not Applicable

Section VI - Fraud and Corruption

(Section VI shall not be modified)

1. Purpose

1.1 The Bank's Anti-Corruption Guidelines and this annex apply with respect to procurement under Bank Investment Project Financing operations.

2. Requirements

2.1 The Bank requires that Borrowers (including beneficiaries of Bank financing); bidders (applicants/proposers), consultants, contractors, and suppliers; any sub-contractors, sub-consultants, service providers or suppliers; any agents (whether declared or not); and any of their personnel, observe the highest standard of ethics during the procurement process, selection, and contract execution of Bank-financed contracts, and refrain from Fraud and Corruption.

2.2 To this end, the Bank:

a. Defines, for the purposes of this provision, the terms set forth below as follows:

i. "corrupt practice" is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;

ii. "fraudulent practice" is any act or omission, including misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain financial or other benefit or to avoid an obligation;

iii. "collusive practice" is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;

iv. "coercive practice" is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;

v. "obstructive practice" is:

(a) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive, or collusive practice; and/or threatening, harassing, or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or

(b) acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under paragraph 2.2 e. below.

b. Rejects a proposal for award if the Bank determines that the firmor individual recommended for award, any of its personnel, or its agents, orits sub-consultants, sub-contractors, service providers, suppliers and/ ortheir employees, has, directly or indirectly, engaged in corrupt, fraudulent,collusive, coercive, or obstructive practices in competing for the contract inquestion;

c. In addition to the legal remedies set out in the relevant LegalAgreement, may take other appropriate actions, including declaringmisprocurement, if the Bank determines at any time that representatives of theBorrower or of a recipient of any part of the proceeds of the loan engaged incorrupt, fraudulent, collusive, coercive, or obstructive practices during theprocurement process, selection and/or execution of the contract inquestion, without the Borrower havingtaken timely and appropriate action satisfactory to the Bank to address suchpractices when they occur, including by failing to inform the Bank in a timelymanner at the time they knew of thepractices;

d. Pursuant to the Bank's Anti- Corruption Guidelines and inaccordance with the Bank's prevailing sanctions policies and procedures, maysanction a firm or individual, either indefinitely or for a stated period oftime, including by publicly declaring such firm or individual ineligible (i) tobe awarded or otherwise benefit from a Bank-financed contract, financially orin any other manner;[1] (ii) to be a nominated[2] sub-contractor,consultant, manufacturer or supplier, or service provider of an otherwiseeligible firm being awarded a Bank-financed contract; and (iii) to receive theproceeds of any loan made by the Bank or otherwise to participate further inthe preparation or implementation of any Bank-financed project;

e. Requires that a clause be included in bidding/request forproposals documents and in contracts financed by a Bank loan, requiring (i)bidders (applicants/proposers), consultants, contractors, and suppliers, andtheir sub-contractors, sub-consultants, service providers, suppliers, agentspersonnel, permit the Bank to inspect[3] all accounts,

recordsand other documents relating to the procurement process, selection and/orcontract execution, and to have them audited by auditors appointed by the Bank.

[1] For the avoidance of doubt, a sanctioned party’sineligibility to be awarded a contract shall include, without limitation, (i)applying for pre-qualification, expressing interest in a consultancy, andbidding, either directly or as a nominated sub-contractor, nominatedconsultant, nominated manufacturer or supplier, or nominated service provider,in respect of such contract, and (ii) entering into an addendum or amendmentintroducing a material modification to any existing contract.

[2] Anominated sub-contractor, nominated consultant, nominated manufacturer orsupplier, or nominated service provider (different names are used depending onthe particular bidding document) is one which has been: (i) included by thebidder in its pre-qualification application or bid because it brings specificand critical experience and know-how that allow the bidder to meet thequalification requirements for the particular bid; or (ii) appointed by theBorrower.

[3] Inspectionsin this context usually are investigative (i.e., forensic) in nature. They involve fact-finding activitiesundertaken by the Bank or persons appointed by the Bank to address specificmatters related to investigations/audits, such as evaluating the veracity of anallegation of possible Fraud and Corruption, through the appropriatemechanisms. Such activity includes butis not limited to: accessing and examining a firm's or individual's financialrecords and information, and making copies thereof as relevant; accessing andexamining any other documents, data and information (whether in hard copy orelectronic format) deemed relevant for the investigation/audit, and makingcopies thereof as relevant; interviewing staff and other relevant individuals;performing physical inspections and site visits; and obtaining third partyverification of information.

PART 2: WORKS REQUIREMENTS

SPECIFICATIONS

Tender Number: LGA/115/TACTIC/P171189/2024/2025/W/01
List of related files, including specifications, drawings, etc.

LOT NO. LGA/115/TACTIC/P171189/2024/2025/W/01
Upgrading of CBD & Industrial Roads and Construction of Onion Market and Storm Water Drain by June 2025

S/N	Description	File Name	Attachment Type	Download Link
1	Vol 2A - Specifications Package 1, Singida (3)	Vol 2A - Specifications Package 1, Singida (3).pdf	Specifications	Download
2	Vol 4 - BOQ Preamble	Vol 4 - BOQ Preamble.pdf	Other	Download
3	Singida 1 CBD and Industrial roads drawings	Singida 1 CBD and Industrial roads drawings.pdf	Drawings	Download
4	Singida 1 Onion market drawings	Singida 1 Onion market drawings.pdf	Drawings	Download
5	Final Soil and Material Investigation REport-Singida MC 2	Final Soil and Material Investigation REport-Singida MC 2.pdf	Reports	Download
6	VOL 2C_E&S Specifications Package 1-Singida	VOL 2C_E&S Specifications Package 1-Singida.pdf	Specifications	Download
7	Standard Specifications for Roadworks 2000.	Standard Specifications for Roadworks 2000..pdf	Specifications	Download
8	Office Block - drawings	Office Block - drawings.pdf	Drawings	Download
9	Vol 2B - Specifications Package 1, Singida	Vol 2B - Specifications Package 1, Singida.pdf	Specifications	Download
10	Vol 2D - Building Specifications	Vol 2D - Building Specifications.pdf	Specifications	Download
11	Singida 1 stand alone storm drainage drawings	Singida 1 stand alone storm drainage drawings.pdf	Drawings	Download

DRAWINGS

Tender Number: LGA/115/TACTIC/P171189/2024/2025/W/01
List of related files, including specifications, drawings, etc.

LOT NO. LGA/115/TACTIC/P171189/2024/2025/W/01
Upgrading of CBD & Industrial Roads and Construction of Onion Market and Storm Water Drain by June 2025

S/N	Description	File Name	Attachment Type	Download Link
1	Vol 2A - Specifications Package 1, Singida (3)	Vol 2A - Specifications Package 1, Singida (3).pdf	Specifications	Download
2	Vol 4 - BOQ Preamble	Vol 4 - BOQ Preamble.pdf	Other	Download
3	Singida 1 CBD and Industrial roads drawings	Singida 1 CBD and Industrial roads drawings.pdf	Drawings	Download
4	Singida 1 Onion market drawings	Singida 1 Onion market drawings.pdf	Drawings	Download
5	Final Soil and Material Investigation REport-Singida MC 2	Final Soil and Material Investigation REport-Singida MC 2.pdf	Reports	Download
6	VOL 2C_E&S Specifications Package 1-Singida	VOL 2C_E&S Specifications Package 1-Singida.pdf	Specifications	Download
7	Standard Specifications for Roadworks 2000.	Standard Specifications for Roadworks 2000..pdf	Specifications	Download
8	Office Block - drawings	Office Block - drawings.pdf	Drawings	Download
9	Vol 2B - Specifications Package 1, Singida	Vol 2B - Specifications Package 1, Singida.pdf	Specifications	Download
10	Vol 2D - Building Specifications	Vol 2D - Building Specifications.pdf	Specifications	Download
11	Singida 1 stand alone storm drainage drawings	Singida 1 stand alone storm drainage drawings.pdf	Drawings	Download

ENVIRONMENTAL, SOCIAL, HEALTH AND SAFETY REQUIREMENTS

The Employer should include a suitably qualified Environmental and Social specialist/s.

The Employer should attach or refer to the Employer's environmental and social, policies that will apply to the project. If these are not available, the Employer should use the following guidance in drafting an appropriate policy for the Works.]

Suggested content for Environmental and Social Policy (Statement)

The Works' policy goal, as a minimum, should be stated to integrate environmental protection, occupational and community health and safety, gender, equality, child protection, vulnerable people (including those with disabilities), sexual harassment, gender-based violence, Sexual Exploitation and Abuse (SEA), HIV/AIDS awareness and prevention and wide stakeholder engagement in the planning processes, programs, and activities of the parties involved in the execution of the Works. The policy should set the frame for monitoring, continuously improving processes and activities and for reporting on the compliance with the policy.

The policy shall include a statement that, for the purpose ofthe policy and/or code of conduct, the term "child" / "children" means anyperson(s) under the age of 18 years.

The policy should, as far as possible, be brief but specificand explicit, and measurable, to enable reporting of compliance with the policyin accordance with the General Conditions of Contract.

As a minimum, the policy is set out to the commitments to:

1. *apply good international industry practice to protect and conserve the natural environment and to minimize unavoidable impacts;*

2. *provide and maintain a healthy and safe work environment and safe systems of work;*

3. *protect the health and safety of local communities and users, with particular concern for those who are disabled, elderly, or otherwise vulnerable;*

4. *be intolerant of, and enforce disciplinary measures for illegal activities. To be intolerant of, and enforce disciplinary measures for gender-based violence, inhumane treatment, sexual exploitation, rape, sexual abuse, sexual activity with children, and sexual harassment;*

5. *incorporate a gender perspective and provide an enabling environment where women and men have equal opportunity to participate in, and benefit from, planning and development of the Works;*

6. *work co-operatively, including with end users of the Works, relevant authorities, contractors and local communities;*

7. *engage with and listen to affected persons and organizations and be responsive to their concerns, with special regard for vulnerable, disabled, and elderly people;*

8. *provide an environment that fosters the exchange of information, views, and ideas that is free of any fear of retaliation, and protects whistleblowers;*

9. *minimize the risk of communicable diseases and to mitigate the effects of communicable diseases associated with the execution of the Works;*

The policy should besigned by the senior manager of the Employer. This is to signal the intent thatit will be applied rigorously.

MinimumContent of ES requirements

In preparing detailed specifications for ES requirements, thespecialists should refer to and consider:

project reports e.g. ESIA/ESMP

consent/permit conditions

required standards including Guidelines

relevant international conventions or treaties etc., national legal and/or regulatory requirements and standards (eg NEMC and OSHA Guidelines)

relevant international standards e.g. TDFA Guidlines

relevant sector standards

grievance redress mechanism including types of grievances to be recorded and how to protect confidentiality e.g. of those reporting allegations of SEA.

SEA prevention and management.

The detail specification for ES should, to the extent possible, describe the intended outcome rather than the method of working. The ES requirements should be prepared in manner that does not conflict with the relevant General Conditions of Contract and Particular Conditions of Contract.

Payment for ES Requirements

The Employer's ES and procurement specialists should consider how the Contractor will cost the delivery of the ES requirements. In the majority of cases, the payment for the delivery of ES requirements shall be a subsidiary obligation of the Contractor covered under the prices quoted for other Bill of Quantity items or activities. For example, normally the cost of implementing work place safe systems of work, including the measures necessary for ensuring traffic safety, shall be covered by the Tenderer's rates for the relevant works. Alternatively, provisional sums could be set aside for discrete activities for example for HIV counselling service, and, and, GBV/SEA awareness and sensitization awareness and sensitization or to encourage the contractor to deliver additional ES outcomes beyond the requirement of the Contract.

BILLS OF QUANTITIES

Lot Description: Upgrading of CBD & Industrial Roads and Construction of Onion Market and Storm Water Drain by June 2025

Code/SN	Description	Unit of Measure	Quantity	Unit Rate	Total
PART E: STAND ALONE STORM WATER DRAINAGE (2.6km)					
SERIES 2000	**DRAINAGE**				
Section 2100	**Drains**				
21.01	**Excavation for Open Drains**				
21.01(a)	Excavating soft material situated within the following depth range below the surface level: 0.5 m. up to 1.5 m	m3	4,051.00		
21.01(a)	DITTO; Exceeding 1.5m and up to 3.0m	m3	583.00		
21.01 (b)	Extra over subitem 21.01(a) for excavation in rock as defined in Clause 3603, irrespective of depth	m3	432.00		
22.03	**Concrete Pipe Culverts on Class A bedding**				
22.03 (a)	Concrete Pipe Culvert On Class A Bedding (i) 1/900mm diameter	m	24.00		
22.25	Hand excavation to determine the position of existing services (Provisional) within the project area	m3	50.00		
Series 2300	**Concrete Kerbing, Concrete Channelling,Open Concrete Chutes and Concrete Lining for Open Drains**				
23.05	**Inlet and outlet for concrete chutes and slope drains**				
23.05 (b)	(i) 250mm thick Vehicular Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	M2	112.00		
Section 2500	**Pitching, Stonework and Protection Against Erosion**				
25.01	**Stone Pitching**				
25.01(a)	Cast in situ concrete class 20, 100 mm thick, with BRC mesh for the base and sides of open drains and other locations instructed by Engineer	m3	1,279.00		
25.01 (c)	Grouted stone pitching, 200 mm thick (Maintenance of Existing Stone Pitching Chanel)	M2	300.00		
Series 2600	**Gabions**				
26.01	**Excavation Works**				
26.01(b)	Foundation trench excavation and backfilling	m3	22,700.00		
26.02	Surface preparation for bedding of gabions	m2	2,500.00		
26.03	**Galvanized Macafferi Gabions Boxes**				
26.03(a)	Galvanished PVC coated Gabion boxes filled with rock for protection works at locations shown by Engineer (ii) 1m × 1m × 1m deep with mesh size 80mmX100mm	m3	5,180.00		
SERIES 3000	**EARTHWORKS AND PAVEMENT LAYERS OF GRAVEL OR CRUSHED STONE**				
3100	**Clearing, Grubbing And Removal Of Topsoil**				

31.01	**Clearing, grubbing and removal of topsoil**				
31.01(a)	Clearing and grubbing	ha	1.00		
31.01(b)	Removal of topsoil	m3	2,611.00		
3600	**Selecting and Utilizing Material From Borrow Pits and Cuttings**				
36.01	**Excavations:**				
36.01 (a)	Common excavation to spoil (Material other than topsoil excavated from side drains and existing/new roadway which is not suitable for fill)	m3	6,342.00		
36.02	**Fill and improved subgrade layers**				
36.02 (c)	Fill as specified in the Drawings to require G3 quality material as minimum	m3	579.00		
SERIES 5000	**ANCILLARY ROADWORKS**				
5700	**Landscaping and Grassing**				
57.03	**Preparing areas for grassing**				
57.03 (a)	Preparing area for Grassing (Provisional) Ripping	ha	0.60		
57.04 (a)	Planting of grass cuttings (type of grass as instructed by Engineer)	ha	2.00		
57.09	**Providing Trees and Shrubs**				
57.04 (a)	Providing indigenous trees to Engineers approval (maintain through the period of construction and defect liability period)	No	687.00		
57.09 (b)	Planting and establishing trees	No	687.00		
57.09	**Planting and establishing trees and shrubs**				
SERIES 6000	**STRUCTURES**				
Series 6100:	**Foundations for Structures**				
61.01	**Excavation**				
a	**Common excavation in soft material situated within the following successive depth ranges:**				
6100	Common excavation for structures in sand soil material including the side support system and de-watering system if necessary .The item includes throwing away the excess of the excavation outside the construction field to the places prepared for this purpose and approved by authorities. 0 m up to 1.5 m	m3	459.23		
6100	Ditto; 1.5 m up to 3.0 m depth	m3	68.88		
6100	Extra - over for sub item 61.02 (a) for excavation in rocks irrespective of depth range (PROVISIONAL)	M3	5.00		
SS 6100	Costs required for diverting, channelling or widening stream and conservation of marine and freshwater life at all times by appropriate methods described under Series 6000 of Standard Specication of Roads Works.	LS	1.00		
61.04(a)	Backfill to excavation utilizing,materials from excavation	M3	158.43		

61.04(b)	Backfill to excavation utilizing Imported material	M3	268.05		
61.08(b)	Filling and Compact using Rock fill material	M3	31.69		
62.48	Falsework, Formwork and Concrete Finish Water proofing to structures	M2	152.40		
62.01 (a)	Formwork to provide F3 surface finish to all classes of concrete to culverts as specified under subsection 6207 (d) of standard specification for Roadworks - 2000	M2	1,570.00		
61.04	**"ESTABLISHMENT ON THE SITE FOR PILING "**				
Series 6300:	**Steel Reinforcement for Structures**				
63.01	**Steel reinforcement for:**				
63.01	Steel reinforcement for Box culverts including headwalls, wingwalls and aprons on box culverts High Yield Steel reinforcement bars grade 460 to BS 4449.	tonnes	29.20		
Series 6400:	**Series 6400: Concrete for Structures**				
64.01	**Cast in situ concrete:**				
64.01 (a)	Cast in situ concrete Cast in-situ Class 15 concrete for blinding for: Box culverts	m3	11.30		
64.01(b)	Cast in-situ for reinforced concrete for: Class 30/20 for superstructure of box culvert, headwalls, aprons, guardrail, retaining walls and wings walls of minor structures concretes for box culverts, using ordinary Portland cement class CEM-I with minimum 425 kg per m³	M3	169.20		
66.19	Drainage pipes and weep holes: 75 mm Diameter UPVC weepholes to box culverts	M	112.00		
PART B: SINGIDA MODERN ONION MARKET - CIVIL WORKS					
SERIES 2000	**DRAINAGE**				
Section 2100	**Drains**				
21.01	**Excavation for Open Drains**				
21.01	Excavation for open drains (i) 0.5m to 1.5m (Irrespective of depth. Rock excavation will be covered on Day works basis. Included are outlet drains from culverts, mitre drains, cut-off drains and catch-water drains as directed by the Engineer)	m3	564.00		
21.18	Selected backfill material under concrete-lined side drains compacted to 90 % BS-Heavy density	m3	112.80		
22.01	**Excavation**				
22.01	Excavation for Prefabricated Culverts (Irrespective of depth. Rock excavation will be covered on Day works basis. Included are outlet drains from culverts, mitre drains, cut-off drains and catch-water drains as shown in the Drawing or as directed by the Engineer.)	m3	186.00		
22.02	**Backfilling**				

22.02 (a)	Using excavated material	m3	124.00		
22.02 (b)	Using imported selected material	m3	143.00		
22.03	**Concrete Pipe Culverts on Class A bedding**				
ii	Concrete Pipe Culverts: On Class A Bedding (No separate pay items for bedding, excavation and backfilling. Where required, as shown in the Drawings, concrete surround will be paid separately) 900mm diameter as indicated on drawings	m	40.00		
22.07	**Cast in situ concrete and formwork**				
22.07 (a)	Encasing (surround) and Headwalls for Pipes, including formwork (class 25/19 concrete)	m3	6.00		
22.07(b)	Manufacturing of Precast Concrete Members/Units: (In Class 25/19 concrete). i. Precast Concrete Cover slab 200mm thick	m2	3.00		
22.07(c)	ii.Precast Concrete cover slab 150mm thick	m2	45.00		
22.07(d)	iii. Precast Concrete cover slab 125mm thick	m2	35.00		
22.10	**Steel Reinforcement**				
22.10 .a	High-tensile steel bars (Grade 460 to BS 4449) (For Culvert Headwalls & Rectangular Covered Drains Capping)	Tonnes	2.00		
22.18	Brickwork: 230 mm thick (Complete with mortar as shown in the Drawing. Note: Crushing Strength of Blocks is 7.5 N/mm2)	m2	145.00		
22.23	**Service Ducts**				
(a)	Provide and construct service ducts complete with draw wire (i) 200mm diameter PVC ordinary pipes	m	20.00		
(a)	Provide and construct service ducts complete with draw wire (ii) 300mm diameter PVC ordinary pipe (Provisional)	m	40.00		
22.24	Duct marker blocks	no	4.00		
22.25	Hand excavation to determine the position of existing services (Provisional)	m3	45.00		
Series 2300	**Concrete Kerbing, Concrete Channelling,Open Concrete Chutes and Concrete Lining for Open Drains**				
23.01	**Concrete kerbing**				
23.01 (a)	Concrete kerbing 450 x 150 Precast kerb (Concrete class 25/19) with cast in-situ Concrete Class 20/19 Hunching as shown in the drawing for Inner Side of road	m	663.00		
23.01 (b)	350 X 150 mm Cast in-situ Concrete Class 25/19 Kerb for edge protection including excavations	m	200.00		
23.08	**Concrete lining for open drains as shown on the drawings**				
23.08 (a)	Concrete Lining for Open Drains: Cast in situ Concrete Lining (Class 20/19) (Included are Shallow Invert Drains, Bottom Inverts and Capping for Trapezoidal	m3	53.00		

	Lined Drains as shown in Drawing. No separate pay items for trimming, formwork etc)				
23.09	**FORMWORK TO CAST IN SITU CONCRETE LINING FOR OPEN DRAINS (CLASS F2 SURFACE FINISH)**				
23.09 (a)	Formwork to Cast in Situ Concrete Lining for Open Drains (Class F2 Surface Finish): i. To sides with formwork on internal face	m3	96.00		
23.09 (b)	To sides with formwork on both internal and external faces	m2	38.00		
23.12	**STEEL REINFORCEMENT**				
a	BRC Mesh 6mm diameter i.e. A142	Tonnes	2.00		
23.13	**POLYETHYLENE SHEETING**				
a	Polyethylene sheeting (0.15mm thick) for concrete linned drains	m2	1,766.00		
Section 2500	**Pitching, Stonework and Protection Against Erosion**				
25.01	**Stone Pitching**				
25.04 (a)	Grouted stone pitching:	m2	154.00		
25 (d)	Segmental block paving (class 30/25 precast concrete) 80mm thickness of Paving Blocks including 25mm bedding sand	m2	1,764.00		
SERIES 3000	**EARTHWORKS AND PAVEMENT LAYERS OF GRAVEL OR CRUSHED STONE**				
3100	**Clearing, Grubbing And Removal Of Topsoil**				
31.01	**Clearing, grubbing and removal of topsoil**				
331.01 (a)	Clearing, grubbing and removal of topsoil: Clearing and grubbing	ha	0.50		
31.01 (b)	Removal of topsoil	m3	200.00		
3600	**Selecting and Utilizing Material From Borrow Pits and Cuttings**				
36.01	**Excavations:**				
36.01 (a)	Excavations: Common excavation to spoil	m3	322.00		
36.01 (b)	Rock excavation (Provisional)	m3	10.00		
36.02	**Fill and improved subgrade layers**				
36.02 (a)	Fill and improved subgrade layers: Improved subgrade layer as specified in the Drawings to require minimum G15 quality material	m3	319.50		
36.02 (b)	Fill and improved subgrade layers: Fill using G7 quality material	m3	319.50		
36.02 (c)	Fill and improved subgrade layers: using G3 quality material	m3	639.00		
36.02 (d)	Fill and improved subgrade layers: using Rock Fill	m3	10.00		
3700	**Pavement Layers of Natural Gravel Materials**				
37.02	**Natural Gravel for Sub-base Course**				
37.02 (a)	Natural gravel for Subbase: Stabilized layer, material class C1	m3	288.00		
37.02 (b)	Natural Gravel Class G25	m3	426.00		

3800	**STABILISATION**				
38.03	**Chemical stabiliser agent**				
38.03 (a)	Chemical stabilise agents: Ordinary portland cement	Tonne (t)	50.69		
3900	**CRUSHED AGGREGATE BASE COURSE**				
39.01	**Crushed aggregate for base course:**				
39.01 (b)	Crushed Aggregated Class CRS	m3	216.00		
SERIES 5000	**ANCILLARY ROADWORKS**				
5500	**Road Markings**				
55.01	**Road Markings Paint**				
54.01	Road Sign (Standard, Aluminum 2.0mm Thick, Area not exceeding 2.0m2) inlcuding post	no	20.00		
55.01 (a) (i)	Road-marking paint: (Paid only actual length painted, excluding the length of gaps in broken lines) 100mm wide of line	m	80.00		
55.01 (b) (i)	Yellow lines (broken or unbroken) (100mm width of line)	m	120.00		
55.06	Setting out and pre-marking the lines (excluding traffic-island markings, lettering and symbols)	m	200.00		
5700	**Landscaping and Grassing**				
57.03	**Preparing areas for grassing**				
57.01	Trimming: (a) Machine trimming	m2	600.00		
57.01	(b) Hand trimming	m2	200.00		
57.03	Preparing the areas for grassing: (i) Topsoil obtained from within the road reserve or borrow areas	m3	20.00		
57.03	(ii) Topsoil obtained from other sources	m3	100.00		
57.04	Grassing: (a) Planting of grass cuttings (type of grass as instructed)	ha	0.50		
57.05	Watering, the grass weekly, when established by topsoiling only until the end of defect liability	item	1.00		
57.09	**Providing Trees and Shrubs**				
57.09	Trees and shrubs: (a) Providing the trees and shrubs (types as instructed)	No	20.00		
57.09	**Planting and establishing trees and shrubs**				
57.09	(b) Planting and establishing: (i) Trees at 25m spacing at locations instructed by the Engineer	No	20.00		
57.09	(b) Planting and establishing: (ii) Shrubs at 25m spacing at locations instructed by the Engineer	No	20.00		
57.11	Weeding all grass-seeded areas and the grass weekly, when established by topsoiling only until the end of defect liabilty	ha	0.50		
SERIES 8000	**STREET LIGHTS**				

8001	**Street Lights**				
80.01 (a)	Allow for Provision and Installation of Solar Street Lights to be done by Specialised Sub-Contractor (approx. 8 number)	Ps	1.00	38000000	38,000,000.00
80.01 (b)	Allow for Contractor's overheads and profits as a percentage of Sub-item	%			
PART A: PRELIMINARIES					
BILL No 2	**PRIME COST AND PROVISIONAL SUMS**				
PC 2	**PROVISIONAL SUMS**				
	The following Provisional sums are for the works or costs which can not entirely be forseen, defined or detailed during the preparation of Bills of Quantities and should be used in whole or in part at the discretion of the Architects.				
A	Preliminaries cover project setup, safety, environment, surveys, permits, utilities, site prep, traffic, documentation, and contractual obligations.	PS	1.00	200000000	200,000,000.00
PART D: ROAD WORKS - MUNGUMAJI-ARUSHA ROAD (1.501km)					
SERIES 2000	**DRAINAGE**				
Section 2100	**Drains**				
21.01	**Excavation for Open Drains**				
a	Excavating soft material situated within the following depth range below the surface level: 0.5 m. up to 1.5 m	m3	1,084.23		
b	Extra over subitem 21.01(a) and (b) for excavation in rock as defined in Clause 3603, irrespective of depth	m3	216.85		
21.02 (a)	Clearing and shaping existing drains	m3	15.00		
21.02 (b)	Clearing of existing culverts	m3	15.00		
22.01	**Excavation**				
22.01 (a)	0.5 m up to 1.5 m Excavation of soft material situated within the following depth ranges below the ground surface level (i) 0.5m to 1.5m	m3	202.50		
22.01 (a)	Exceeding 1.5m and up to 3.0m	m3	50.63		
22.01 (b)	Extra over subitem 22.01(a) for excavation in rock as defined in Clause 3603, irrespective of depth	m3	5.00		
22.02 (a)	Using excavated material	m3	101.25		
22.02 (b)	Using imported selected material	m3	60.75		
22.03	**Concrete Pipe Culverts on Class A bedding**				
i	600 mm diameter as indicated on drawings	m	12.00		
iii	1200mm diameter as indicated on drawings	m	36.00		
22.07	**Cast in situ concrete and formwork**				
22.07 (a)	In Class A bedding, screeds and the encasing for pipes including formwork (Class 20/19 concrete)	m3	50.00		
22.07 (b)	Concrete Class 25/20 for inlet and outlet structures, shallow V drains,	m3	13.64		

	pedestrian/vehicular slabs and concrete for other places instructed by Engineer				
22.10	**Steel Reinforcement**				
i	High-tensile steel bars (for inlet and outlet structures)	Tonnes	3.42		
22.23	**Service Ducts**				
a	Provide and construct service ducts as per Engineers Instruction 300mm diameter precast concrete pipes	m	60.00		
22.24	Duct marker block	no	12.00		
22.25	Hand excavation to determine the position of existing services (Provisional) within the project area	m3	700.00		
Series 2300	**Concrete Kerbing, Concrete Channelling,Open Concrete Chutes and Concrete Lining for Open Drains**				
23.01	**Concrete kerbing**				
a	Description of type with reference of drawing (Type B)	m	2,120.00		
b	Description of type with reference of drawing (Type C)	m	2,120.00		
23.05	**Inlet and outlet for concrete chutes and slope drains**				
a	(i) 250mm thick Vehicular Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	m2	134.40		
b	(ii) 150mm thick Pedestrian Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	m2	948.00		
23.08	**Concrete lining for open drains as shown on the drawings**				
a	Cast in situ concrete lining Grade 20 to drains with Class U2 surface finish	m3	10.00		
23.12	**STEEL REINFORCEMENT**				
c	Welded steel fabric A142 for drains	Tonnes	18.11		
Section 2500	**Pitching, Stonework and Protection Against Erosion**				
25.01	**Stone Pitching**				
a	Cast in situ concrete class 20, 100 mm thick, with BRC mesh for the base and sides of open drains and other locations instructed by Engineer	m3	780.00		
25.01 (c)	Grouted stone pitching, 200 mm thick	m2	2,650.00		
25.04	Concrete Pitching and block paving (200x100x60mm) 25Mpa Prefabricated concrete paving blocks for sidewalk pavement including 30mm Sand capping	m2	3,180.00		
SERIES 3000	**EARTHWORKS AND PAVEMENT LAYERS OF GRAVEL OR CRUSHED STONE**				
3100	**Clearing, Grubbing And Removal Of Topsoil**				
31.01	**Clearing, grubbing and removal of topsoil**				
a	Clearing and grubbing	ha	1.02		
b	Removal of topsoil	m3	1,987.78		

3600	**Selecting and Utilizing Material From Borrow Pits and Cuttings**				
36.01	**Excavations:**				
b	Common excavation to spoil (Material other than topsoil excavated from side drains and existing/new roadway which is not suitable for fill)	m3	9,034.67		
c	Rock excavation (Provisional)	m3	3,285.34		
36.02	**Fill and improved subgrade layers**				
a	Improved subgrade layer as specified in the Drawings to require minimum G15 quality material	m3	2,126.24		
b	Improved subgrade layer as specified in the Drawings to require minimum G7 quality material(stockpilled)	m3	2,126.24		
c	Fill as specified in the drawings to required minimum G3 quality material	m3	51.92		
3700	**Pavement Layers of Natural Gravel Materials**				
37.02	**Natural Gravel for Sub-base Course**				
a	Natural Gravel Class G45 to receive Paving blocks for walkways	m3	556.50		
3800	**STABILISATION**				
38.02	**Chemical stabilisation, payment for full cocst of providing:-**				
b	Stabilizing Layer, Material Class C1 (150mm thick subbase)	m3	2,126.24		
38.03	**Chemical stabiliser agent**				
b	Ordinary Portland cement (for subbase)	Tonne (t)	97.81		
3900	**CRUSHED AGGREGATE BASE COURSE**				
39.01	**Crushed aggregate for base course:**				
a	Crushed Aggregated Class CRR 150mm	m3	1,878.64		
SERIES 4000	**BITUMINOUS LAYERS AND SEALS**				
4200	**Asphalt Concrete Surfacing**				
42.02	Curing Membranes MC-30 Cut-back bitumen applied at a rate of 1 l/m2 for curing of stabillised base course	ltr	11,698.89		
42.02 (a)	Asphalt Concrete Surfacing 50mm thick Asphalt Concrete Wearing Course Class AC14 using 60/70 penetration grade bitumen	m3	584.94		
42.02 (b)	Bitumen for Asphalt Concrete Surfacing using 60/70 penetration grade bitumen	tonne	63.17		
SERIES 5000	**ANCILLARY ROADWORKS**				
5100	**Marker and Kilometer Posts**				
51.01	**Marker posts:**				
a	Install new culvert edge marker posts (2 per road crossing culvert, each paid separately)	No	8.00		
5400	**Road Signs**				
54.01	Road sign on single post (sign sizes less	No	2.00		

	than 0.5 sq.m)				
54.02	Additional road sign plate less than 0.3 sq.m	no	15.00		
5500	**Road Markings**				
55.01	**Road Markings Paint**				
55.03 (a)	(i) White unbroken road marking lines 100mm wide (2mm thick)	m	1,437.63		
b	(ii) White broken road marking lines 100mm wide (2mm thick)	m	63.00		
55.03 (b)	Thermo-Plastic Road Marking Material (i) Yellow acoustic road marking lines 150mm wide at edges (2mm thick)	m	3,001.26		
55.03 (d)	Thermo-Plastic Road Marking Material White Lettering and Symbols	m2	108.00		
55.10	Provide asphalt concrete speed humps as per drawings	nos	1.00		
56.04(a)	Allow for Provision and Installation of Solar Street Lights to be done by Specialised Sub-Contractor	ps	1.00	230635500	230,635,500.00
56.04(b)	Allow for contractor's overhead and profits as a percentage of above 15%	Item	1.00		
5700	**Landscaping and Grassing**				
57.03	**Preparing areas for grassing**				
57.03 (a)	Preparing the Areas for Grassing Ripping	ha	0.45		
57.03 (ii)	Preparing the Areas for Grassing Topsoil obtained from other sources by the contractor (including all haul)	m3	675.28		
57.04 (a)	Grassing Planting of grass cuttings (type of grass as instructed by Engineer)	ha	0.45		
57.09	**Providing Trees and Shrubs**				
a	Providing indigenous trees to Engineers approval (maintain through the period of construction and defect liability period)	No	428.75		
57.09	**Planting and establishing trees and shrubs**				
a	Planting and establishing trees	No	428.75		
PART D: ROAD WORKS - MUGHENYI ROAD (0.334 km)					
SERIES 2000	**DRAINAGE**				
Section 2100	**Drains**				
21.01	**Excavation for Open Drains**				
21.01(a)	Excavating soft material situated within the following depth range below the surface level: (i) 0.5 m. up to 1.5 m	m3	1,995.84		
21.01(a)	Excavating soft material situated within the following depth range below the surface level: (ii)Exceeding 1.5m and up to 3.0m	m3	362.88		
21.01 (b)	Extra over subitem 21.01(a) and (b) for excavation in rock as defined in Clause 3603, irrespective of depth	m3	5.00		
21.02 (a)	Clearing and shaping existing drains	m3	10.00		

21.02 (b)	Clearing of existing culverts	m3	1.00		
22.01	**Excavation**				
22.01 (a)	Excavation of soft material situated within the following depth ranges below the ground surface level 0.5 m up to 1.5 m	m3	40.50		
21.01(a)	(ii) Exceeding 1.5m and up to 3.0m	m3	10.13		
21.01 (b)	Extra over subitem 22.01(a) for excavation in rock as defined in Clause 3603, irrespective of depth	m3	5.00		
22.02	**Backfilling**				
i	Using excavated material	m3	20.25		
ii	Using imported selected material	m3	12.15		
22.07	22.07 Cast in Situ Concrete and Formwork In Class 25/19 inlet and outlet structures, catchpits, manholes, thrust and anchor blocks, including formwork and Class U2 surface finish	m3	3.80		
22.10	**Steel Reinforcement**				
22.10	High-tensile steel bars (for inlet and outlet structures)	Tonnes	0.54		
22.23	**Service Ducts**				
a	Provide and construct service ducts as per Engineers Instruction 300mm diameter precast concrete pipes	m	100.00		
22.24	Duct marker block	no	4.00		
22.25	Hand excavation to determine the position of existing services (Provisional) within the project area	m3	300.00		
Series 2300	**Concrete Kerbing, Concrete Channelling,Open Concrete Chutes and Concrete Lining for Open Drains**				
23.01	**Concrete kerbing**				
23.01 (b)	Description of type with reference of drawing (Type B)	m	668.00		
23.05	**Inlet and outlet for concrete chutes and slope drains**				
23.05 (a)	(i) 250mm thick Vehicular Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	m2	43.68		
23.05 (a)	(ii) 150mm thick Pedestrian Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	m2	36.52		
23.08	**Concrete lining for open drains as shown on the drawings**				
a	Cast in situ concrete lining Grade 20 to drains with Class U2 surface finish	m3	238.38		
Section 2500	**Pitching, Stonework and Protection Against Erosion**				
25.01	**Stone Pitching**				
25.01(a)	Cast in situ concrete class 20, 100 mm thick, with BRC mesh for the base of side drains and other locations instructed by Engineer	m3	136.08		

25.01 (b)	Grouted stone pitching, 200 mm thick	m2	69.30		
Series 2600	**Gabions**				
26.01	**Excavation Works**				
26.01	Foundation trench excavation and backfilling	m3	61.60		
26.02	Surface preparation for bedding the gabions	m2	123.20		
26.03(a)	Galvanished PVC coated Gabion boxes filled with rock for protection works at locations shown by Engineer (i) 1m × 1m × 1m deep with mesh size 80mmX100mm	m3	192.00		
SERIES 3000	**EARTHWORKS AND PAVEMENT LAYERS OF GRAVEL OR CRUSHED STONE**				
3100	**Clearing, Grubbing And Removal Of Topsoil**				
31.01	**Clearing, grubbing and removal of topsoil**				
31.01(a)	Clearing and grubbing	ha	0.32		
3600	**Selecting and Utilizing Material From Borrow Pits and Cuttings**				
36.01	**Excavations:**				
36.01 (a)	Common excavation to spoil (Material other than topsoil excavated from side drains and existing/new roadway which is not suitable for fill)	m3	2,273.00		
36.02	**Fill and improved subgrade layers**				
36.02 (a)	Improved subgrade layer as specified in the Drawings to require G15 quality material as minimum	m3	497.73		
36.02 (b)	Improved subgrade layer as specified in the Drawings to require G7 quality material as minimum	m3	498.00		
3800	**STABILISATION**				
38.02	**Chemical stabilisation, payment for full cocst of providing:-**				
38.02 (a)	Stabilizing Layer, Material Class C1(150mm thick subbase)	m3	498.00		
38.03	**Chemical stabiliser agent**				
38.03(b)	Ordinary portland cement (for subbase)	Tonne	23.00		
3900	**CRUSHED AGGREGATE BASE COURSE**				
39.01	**Crushed aggregate for base course:**				
39.01(a)	Crushed Aggregate Base, Class CRR 150mm	m3	476.00		
SERIES 4000	**BITUMINOUS LAYERS AND SEALS**				
4100	**Prime and Curing Membrane**				
41.01	**Prime Coat**				
41.02(a)	MC-30 Cut-back bitumen applied at a rate of 0.7l/m2 for curing of stabillised base course	Litres	3,127.00		
42.02	Asphalt Concrete Surfacing 50mm thick Asphalt Concrete Wearing Course Class AC14 using 60/70 penetration grade bitumen	m3	156.00		

42.02 (b)	Bitumen for Asphalt Concrete Surfacing using 60/70 penetration grade bitumen	tonne	17.00		
SERIES 5000	**ANCILLARY ROADWORKS**				
5100	**Marker and Kilometer Posts**				
51.01	**Marker posts:**				
51.01	Edge marker posts	No	4.00		
5400	**Road Signs**				
54.01	Road sign on single post (sign sizes less than 0.5 sq.m)	No	1.00		
54.02	Additional road sign plate less than 0.3 sq.m	no	3.00		
5500	**Road Markings**				
55.01	**Road Markings Paint**				
55.03 (a)	(i) White unbroken road marking lines 100mm wide (2mm thick)	m	340.00		
55.03 (a)	(ii) White broken road marking lines 100mm wide (2mm thick)	m	20.00		
55.03 (b)	(i) Yellow acoustic road marking lines 150mm wide at edges (2mm thick)	m	669.00		
55.03 (b)	(ii) White Lettering and Symbols	m2	36.00		
56.04(a)	Allow for Provision and Installation of Solar Street Lights to be done by Specialised Sub-Contractor	ps	1.00	51354838	51,354,838.00
56.04(b)	Allow for contractor's overhead and profits as a percentage of above 15%	item	1.00		
5700	**Landscaping and Grassing**				
57.09	**Providing Trees and Shrubs**				
57.09 (a)	Providing indigenous trees to Engineers approval (maintain through the period of construction and defect liability period)	No	96.00		
57.09	**Planting and establishing trees and shrubs**				
57.09 (b)	Planting and establishing trees	No	96.00		
PART A: GENERAL					
SERIES 1000	**GENERAL**				
	General Requirements and Provisions				
12.02	**Relocation of Services**				
A	Arrange and pay for removal and/or alteration to services provided by agencies for electricity supply, water, sewerage, or telecommunication	PS	1.00	250000000	250,000,000.00
B	Allow for Contractor's overheads and profits as a percentage of item (a) above	%			
Section 1300	**Contractor's Establishment On Site and General Obligations**				
13.01	**Contractor's General Obligations**				
C	Sureties	PS	1.00	100000000	100,000,000.00
D	(ii) Allow for Contractor's overheads and profits as a percentage of item (b) above	%			

E	Insurance of Works	PS	1.00	70000000	70,000,000.00
F	(iii) Allow for Contractor's overheads and profits as a percentage of item (E) above	%			
G	Insurance of Constructional Plant & Equipment	PS	1.00	50000000	50,000,000.00
H	(iv) Allow for Contractor's overheads and profits as a percentage of item (e) above	%			
I	Third Party Insurance	PS	1.00	50000000	50,000,000.00
J	Allow for Contractor's overheads and profits as a percentage of item (I) above	%			
K	Four wheel drive Station Wagon for the Engineer and Employer: (Ownership of the vehicle shall revert to the Employer) Provide vehicles for the Engineer, (Four Wheel Drive Double Cabin Pick - up as per Special Specification SS1407.01 and SS1412.01) approved by the Engineer (2 Nos)	PS	1.00	300000000	300,000,000.00
L	(ii) Allow for Contractor's overheads and profits as a percentage of subitem 14.06	%			
M	Survey Equipment for the Engineer (i) Provide specified survey equipment for the Engineer	PS	1.00	70000000	70,000,000.00
N	Allow for Contractor's overheads and profits as a percentage of subitem Above	%			
0	Maintain specified survey equipment for the Engineer (Ownership of survey equipment to revert to the Employer)	Month	24.00		
P	TOLERANCES, TESTING AND QUALITY CONTROL Testing Of Materials And Workmanship Special tests requested by the Engineer/Project Manager: Special Tests on Selected Construction Materials and items to be carried out by an independent laboratory chosen by the Engineer	PS	1.00	20000000	20,000,000.00
Q	(vii) Allow for Contractor’s overheads and profits as a percentage of item (p) above	%			
13.02	**Sign board**				
a	Allow for erection standard project sign board at two locations	No.	3.00		
13.03	**Road Safety Awareness Programme**				
A	Instituting Road Safety improvement, Training and Awareness Programs throughout the Contract period	Month	15.00		
B	(a) Allow Provisional sum for Road Safety Training	PS	1.00	40000000	40,000,000.00
C	(b) Allow for Contractor's overheads and profits as a percentage of subitem above	%			
Section 1400:	**Engineer's Accommodation and Attendance Upon Engineer and his Site Personnel**				
14.01	**Houses for the Engineer**				
14.10	**MEALS IN CONTRACTOR’S MESS HALL FOR THE EMPLOYER’S STAFF**				

Section 1700	**Environmental Protection and Waste Disposal Environmental Protection and Waste Disposal**				
17.14	**Environmental Protection and Waste Disposal**				
i	Monthly Rates to cover costs of compliance with all Environmental protection and Waste disposal measures to be carried out in accordance with approved ESIA/ESMP by Environmental Authority as outlined in Volume 2C of the Bidding Documents and for compliance with the general requirements of Clause 1700 of the Standard Specification	Months	15.00		
ii	Monthly rate to cover costs for compliance with provisional Health and Safety Management Plan (HSMP)	Month	15.00		
A	HIV/AIDS and Child abuse Instituting; COVID-19, HIV & AIDS, STIs, STDs and Child Abuse, Sexual Harrasment Preventation and Awereness Programs	Month	15.00		
B	Allow Provisional sum for HIV/AIDS Training	PS	1.00	25000000	25,000,000.00
C	(vi) Allow for Contractor's overheads and profits as a percentage of item (B) above	%			
PART D: ROAD WORKS - CBD ROADS (1.97km)					
SERIES 2000	**DRAINAGE**				
Section 2100	**Drains**				
21.01	**Excavation for Open Drains**				
21.02 (a)	Excavation for drains: Clearing and shaping existing drains	m3	200.00		
21.02 (b)	Clearing of existing culverts	M3	200.00		
22.07	**Cast in situ concrete and formwork**				
22.07 (c)	In Class 25/19 inlet and outlet structures, catchpits, manholes, thrust and anchor blocks, including formwork and Class U2 surface finish	m3	19.00		
22.10	Steel reinforcement: (b) High-tensile steel bars (for inlet and outlet structures)	Tonne	2.25		
22.23	**Service Ducts**				
22.23 (a)	Precast reinforced Concrete service ducts,300mm diameter precast concrete pipes	m	260.00		
22.24	Service Ducts Duct marker block	No	20.00		
22.25	Hand excavation to determine the position of existing services (Provisional) within the project area	m3	125.00		
Series 2300	**Concrete Kerbing, Concrete Channelling,Open Concrete Chutes and Concrete Lining for Open Drains**				
23.01	**Concrete kerbing**				
23.01 (a)	Concrete Kerbing (Class of Concrete Indicated for Cast in situ Concrete Description of type with reference of drawing (Type B)	m	2,542.00		

23.01 (b)	Description of type with reference of drawing (Type C)	m	2,542.00		
23.05	**Inlet and outlet for concrete chutes and slope drains**				
23.05 (a)	Inlet , Outlet, Transition and Similar Structures (Typical Designs) Access Slabs (i) 250mm thick Vehicular Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	m2	48.00		
23.05 (b)	(ii) 150mm thick Pedestrian Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	m2	639.00		
23.07	23.07 Trimming of Excavation for Concrete Lined Drains In soft material as defined in Clause 3603	M2	2,847.42		
23.08	**Concrete lining for open drains as shown on the drawings**				
23.08 (a)	Cast in situ concrete lining Grade 20 to drains with Class U2 surface finish	m3	319.92		
23.12	**STEEL REINFORCEMENT**				
a	WELDED STEEL FABRIC Welded steel fabric A142 for drains	Tonnes	34.51		
Section 2500	**Pitching, Stonework and Protection Against Erosion**				
25.01	**Stone Pitching**				
25.01(a)	Cast in situ concrete class 20, 100 mm thick, with BRC mesh for the base of side drains and other locations instructed by Engineer	m2	496.80		
25.01 (b)	Grouted stone pitching, 200 mm thick	m2	276.00		
25.04	Concrete Pitching and block paving (200x100x60mm) 25Mpa Prefabricated concrete paving blocks for sidewalk pavement including 30mm Sand capping	m2	7,626.00		
SERIES 3000	**EARTHWORKS AND PAVEMENT LAYERS OF GRAVEL OR CRUSHED STONE**				
3100	**Clearing, Grubbing And Removal Of Topsoil**				
31.01	**Clearing, grubbing and removal of topsoil**				
a	Clearing and grubbing	ha	1.23		
b	Removal of topsoil	m3	246.00		
3200	**Removal of Existing Structures**				
32.01	**Removal of existing structures**				
33.01 (a)	Bituminious Material	m3	962.26		
3600	**Selecting and Utilizing Material From Borrow Pits and Cuttings**				
36.01	**Excavations:**				
36.02	**Fill and improved subgrade layers**				
3700	**Pavement Layers of Natural Gravel Materials**				
37.02	**Natural Gravel for Sub-base Course**				
a	Natural Gravel Class G45 Natural Gravel Class G45 to receive Paving blocks for walkways	m3	1,334.55		
3800	**STABILISATION**				

38.02	**Chemical stabilisation, payment for full cocst of providing:-**				
SERIES 4000	**BITUMINOUS LAYERS AND SEALS**				
4100	**Prime and Curing Membrane**				
41.01	**Prime Coat**				
41.02(a)	MC-30 Cut-back bitumen applied at a rate of 1 l/m2 for curing of stabillised base course	Litres	19,245.30		
4200	**Asphalt Concrete Surfacing**				
42.02	50mm thick Asphalt Concrete Wearing Course Class AC14 using 60/70 penetration grade bitumen	m3	952.74		
42.02 (b)	Bitumen for Asphalt Concrete Surfacing using 60/70 penetration grade bitumen	tonne	102.90		
SERIES 5000	**ANCILLARY ROADWORKS**				
5400	**Road Signs**				
54.01	Road sign Road sign on single post (sign sizes less than 0.5 sq.m)	No	2.00		
54.02	Additional road sign plate less than 0.3 sq.m	no	6.00		
5500	**Road Markings**				
55.01	**Road Markings Paint**				
55.03 (i)	Thermo-Plastic Road Marking Material White unbroken road marking lines 100mm wide (2mm thick)	m	1,912.00		
55.03 (a)	(ii) White broken road marking lines 100mm wide (2mm thick)	m	70.00		
55.03 (b)	(i) Yellow acoustic road marking lines 150mm wide at edges (2mm thick)	m	3,824.00		
55.03 (c)	White Lettering and Symbols	m	120.00		
56.04(a)	Allow for Provision and Installation of Solar Street Lights to be done by Specialised Sub-Contractor	ps	1.00	495000000	495,000,000.00
56.04(b)	Allow for contractor's overhead and profits as a percentage of above	%			
5700	**Landscaping and Grassing**				
57.03	**Preparing areas for grassing**				
57.03 (a)	Top soiling within the road reserve using materials obtained from borrow areas including transportation. Ripping	ha	0.57		
57.03 (b)	(i) Topsoil obtained from other sources by the contractor (including all haul)	m3	855.00		
57.04	Grassing Planting of grass cuttings (type of grass as instructed by Engineer)	ha	0.57		
57.09	**Providing Trees and Shrubs**				
57.09 (a)	Providing indigenous trees to Engineers approval (maintain through the period of construction and defect liability period)	No	546.29		
57.09 (b)	Planting and establishing trees	No	546.29		

PART B: SINGIDA MODERN ONION MARKET - ELECTRICAL INSTALLATION

BILL No 3	**MEASURED WORKS**				
ELEMENT No.9	**ELECTRICAL INSTALLATIONS**				
i	**Supply and install the following:**				
1.01	Supply, Install, Test and Commission the following as per the specifications, in compliance with the drawings and standards, and to the satisfaction of the Engineer. MAIN POWER CONNECTION Liaise with TANESCO for the Provision of HT service Line, metering unit, and substation works.	Item	1.00		
1.02	Provision for TANESCO Charges for Supply and Installation for the Extension of H.T Line,	Item	1.00		
1.03	Wooden Pole of about 12m, Complete with erection accessories (For Mounting Transformer)	No	3.00		
1.04	Danger "HATARI" Plate	No	2.00		
1.05	Installation accessories for For Installation of Transfomer	Item	1.00		
1.06	11KV Auto Reclosure Unit	No	1.00		
1.07	11kV/0.4kV, 100kVA Delta/Star Transformer complete with all necessary protections, equipment, and accessories to TANESCO standards, as TANELEC make and specifications. Note, confirm line specification with TANESCO before procurement.	No	1.00		
1.08	160A, IP66 Outdoor, Four Poles Isolator for Isolating Tanesco Power	No	1.00		
1.09	45KVA Standby Diesel engine generator with Fully Weatherproof Sound Attenuated Enclosure With Internal Exhaust Silencer , Enginer - Cummins/Perkins, Alternator - Leroy Somer/Stamford, Controller - Deep Sea, Frequency - 50Hz, Speed - 1500 rpm, Tank size as per the manufactuer's standards.	No	1.00		
1.1	160A Three Phase Motorized Automatic Transfer Switch	No	1.00		
1.11	10KVA, Three Phase Inveter with 12 Hours Back-up time.	No	1.00		
1.12	4C X 50Sq.mm Cu/XLPE/SWA/PVC, Including Cable Routes, Actual Length to be verified at the site before procurement.	M	100.00		
1.13	1C X 16Sq.mm PVC/SWA/PVC/ Cu cable (Cable for Earthing), Including Cable Routes, Actual Length to be verified at the site before procurement.	M	100.00		
1.14	160A, 4 - Poles Incomer Main Distribution Board with 3 - Poles Outgoing MCCBs of 2 X 63A, 2 X 40A, and 1 Pole Outgoing MCBs of 26 x 40A TPN Copper Busbar, complete with Phase Indicators and all the	No	1.00		

	necessary accessories. Make: ABB/LEGRAND/HAGER/SCHNEIDER				
1.15	4C X 16Sq.mm Cu/XLPE/SWA/PVC, Including Cable Routes, Actual Length to be verified at the site before procurement. (For Common Distribution Board - DB C)	M	50.00		
1.16	1C X 16Sq.mm PVC/SWA/PVC/ Cu cable (Cable for Earthing), Including Cable Routes, Actual Length to be verified at the site before procurement.	M	50.00		
1.17	63A, Three Phase, IP 66, Pre-Paid Smart Meters	No	1.00		
1.18	6 Ways, Three Phase & Neutral, 63A Distribution Board with 63/0.3A RCCB, and Outgoing MCBs of 6X10A, 9X20A, and 3 Poles MCBs of 1X32A as Specficied in the drawings, complete with Copper Bar, MCBs, RCCB, Enclosure, and all necessary installation accessories. As ABB/Hager/Legrand/Schneider Make	No	1.00		
1.19	3C X 6Sq.mm Cu/XLPE/SWA/PVC, Including Cable Routes, Actual Length to be verified at the site before procurement. (For DB1, DB 2, DB 3, DB 4, DB 5, DB 6, and DB 7))	M	810.00		
1.20	63A, Single Phase, IP 66, Pre-Paid Smart Meters	M	27.00		
1.21	6 Ways, Single Phase & Neutral, 63A Distribution Board with 63/0.3A RCCB, and Outgoing MCBs of 3X10A, and 3X20A, as Specficied in the drawings, complete with DIN Rail, MCBs, RCCB, Enclosure, and all necessary installation accessories. As ABB/Hager/Legrand/Schneider Make	No	1.00		
1.22	4 Ways, Single Phase & Neutral, 63A Distribution Board with 63/0.3A RCCB, and Outgoing MCBs of 1X10A, and 3X20A, as Specficied in the drawings, complete with DIN Rail, MCBs, RCCB, Enclosure, and all necessary installation accessories. As ABB/Hager/Legrand/Schneider Make	No	26.00		
1.23	5C X 10Sq.mm Cu/XLPE/SWA/PVC, Including Cable Routes, Actual Length to be verified at the site before procurement. For Water Transfer Pump and Firefighting Pump.	M	100.00		
1.24	63A, Three Phase, IP 66, Isolator for Firefighting Pump and Water Transfer Pump.	No	3.00		
1.25	1.0m X 1.0m Earth Mate, For earthing 250A Main Distribution Panel	No	1.00		
1.26	16mm Earth Rod, For earthing 250A Main Distribution Panel	No	2.00		
1.27	300mm X 300mm Earth Mate, For earthing	No	2.00		

	Generator				
1.28	16mm Earth Rod, For earthing Generator	No	2.00		
1.29	Chacoal dust	Bag	2.00		
1.31	Fertile Soil	Bucket	40.00		
1.32	Sailt	Kg	20.00		
1.33	Sundries (i.e ties, clamps, tie rods, bolts, nuts, Saddle clamp, accessories)	Item	1.00		
b)	**POWER POINTS**				
c)	**LIGHT FITTINGS, FANS AND SWITCHES**				
2.00	LIGHTINGS & WIRING ACCESSORIES Final subcircuits for lighting points, Switches, and Ceiling Fans wired in 1.5mm2 PVC Cables in 1" tough PVC conduits (TRONIC Make) recessed flush in wall/Slab but without the fittings.	Points	397.00		
2.02	Symbol F: 100W LED, (Colour Temperature: 6000 - 6500K), Flood Light, IP 66, wall mountable luminaire.	No	4.00		
2.03	"Symbol LD: 12W warm white (Color Temperature: 6000 - 6500K) LED bulb complete with holder and necessary fixing accessories."	No	83.00		
2.04	"Symbol C: 9W warm white (Color Temperature: 6000 - 6500K) LED bulb complete with holder and necessary fixing accessories."	No	18.00		
2.05	"Symbol T: 5/6W warm white (Colour Temperature: 6000 - 6500K) LED bulb complete with holder and necessary fixing accessories. "	No	15.00		
2.06	"Symbol D: 12W LED, Surface mounted Downlight, warm white (Color Temperature: 6000 - 6500K)."	No	45.00		
2.07	Symbol B: 2X18W Warm white (Color Temperature: 6000 - 6500K) 1200mm LED tube light, complete with necessary fixing accessories.	No	32.00		
2.08	"Bracket for mounting floor Lights and CCTV Cameras on Wall."	No	36.00		
2.09	"Galvanized pole 8m with 1.5m for single arm (with foot cage), Complete with Concrete plinth for mounting the pole."	No	32.00		
2.10	"Symbol SL: AN-SLZ-80W, Power80W LED Chip3030 Bridgelux Efficincy 210LM/W,Ra>80 Solar panel18V100W, high-efficiency monocrystalline Guard Level: IP 66 Solar charging time: 8~9 hours - by bright sunlight Lighting time: 4-5 nights Battery12.8V/57AH(LiFePO4 Battery), >2000 cycles at 80% DOD, Color temperature6000 - 6500K Housing Material: Aluminium, alloy + PMMA Size: 1078*385*139mm Working temperature:25°C - to 65°C Warranty: 5	No	32.00		

	years. Certificate: ISOCE ROHS IP66, IK07"				
2.11	60W Ceiling/Wall Mountable Circo Fan with Wall Mountable Fan regulator.	No	29.00		
2.12	Wall Mountable Fan Control Regulator.	No	29.00		
2.13	LEX83M 3Hr Maintained Legendlite Exit sign	No	18.00		
2.14	"10A 1gang 1way Switch, 1200mm AFFL. Make: ABB/MK/Hager/Legrand"	No	32.00		
2.15	"10A 1gang 2way Switch, 1200mm AFFL. Make: ABB/MK/Hager/Legrand"	No	10.00		
2.16	"10A 2gang 2way Switch, 1200mm AFFL. Make: ABB/MK/Hager/Legrand"	No	30.00		
2.17	"10A 3gang 2way Switch, 1200mm AFFL. Make: ABB/MK/Hager/Legrand"	No	5.00		
2.18	"10A Intermediate Switch, 1200mm AFFL. Make: ABB/MK/Hager/Legrand"	No	5.00		
2.19	Outlet points final subcircuits for air conditioning wired in 3 x 1C X 2.5mm2 PVC Cables in 1" tough PVC Conduits (TRONIC Make) recessed flush in wall fabric but without accessories.	Points	10.00		
2.20	20A Single Phase DP Switch, 1200mm AFFL. Make ABB/MK/Hager/Legrand.	No	10.00		
2.21	Outlet points final subcircuits for sockets wired in 3 X 1C X 2.5mm2 PVC Cables in 1" tough PVC Conduits (TRONIC Make) recessed flush in wall/Slab but without accessories.	Points	119.00		
2.22	"2X13A British-Standard Switch Socket, 400mm AFFL, Colour: White. Make: ABB/MK/Hager/Legrand"	No	109.00		
2.23	"2X13A Weather Proof British-Standard Switch Socket, 400mm AFFL, Colour: White. Make: MCL or Equivalenth"	No	10.00		
d)	**WIRING AND CABLES**				
3.01	CCTV SYSTEM 64 Channel NVR, 400Mbps Bit Rate, up to 64-ch IP video, 4 SATA interfaces, 2 HDMI, 1 VGA, Supports H.265+, 2 Year Warranty, As Uniview/Hikvision Make.	No	1.00		
3.02	8MP ULTRA 120 dB true WDR Dark Fighter AcuSense Turret, 2.8mm fixed lens, Built-in Mic, IP67, All Metal, 1/2.8" Progressive Scan CMOS; H.265+ MJPEG; Color: 0.01 lux @(F1.2, AGC ON), 0 lux with IR; 20fps(3840×2160), 25fps/30fps (3072×1728, 2560×1440, 2048×1536,1920×1080); 3 VCA functions; 3 streams; 3D DNR; ICR; EXIR 2.0, up to 30m; DC12V&PoE; Built-in micro SD slot; 5 Year Warranty (Product Code: DS-2CD3386G2-ISU) . Make - Hikvision.	No	20.00		
3.03	8MP DarkFighter EXIR Bullet, up to 90m	No	10.00		

	IR distance, 120 dB true WDR , Junction box included, IP67, 4mm fixed lens, Progressive Scan CMOS;8MP 25fps/30fps;H.265+/;120dB WDR;Color: 0.003 Lux @ (F1.6, AGC ON),B/W: 0 Lux with IR;VCA functions; 4 streams; 3D DNR; BLC; ICR; EXIR; DC12V&PoE; Alarm:2/2, Audio:1/1,DC 12V output,Built-in micro SD/SDHC/SDXC slot; HIK-Connect cloud service;-Y:NEMA 4X;, 5 Year WArranty (Product Code: DS-2CD3T86G2-4IS). Make - Hikvision.				
3.04	L2, Smart Managed, 16 10/100M RJ45 PoE ports, 1 Gigabit RJ45 port, 1 Gigabit combo port, 802.3af/at, PoE power budget 130W, Max. 300 meter PoE transmission, Supports Hik-Central/ cloud management, Rack mount, 2 Year Warranty	No	2.00		
3.05	42U Floor Standing cabinet complete with all cable management accessories, glass door with lock and key, adjustable shelving and trays. The cabinet shall be fitted with an extractor fans, Two numbers of 6ways PDUs complete with all its accessories.	No	1.00		
3.06	HDMI cable with splitter	No	1.00		
3.07	43" 1080P Commercial Monitor, HDMI/VGA input, view angle:178°/178°, 360cd/, plastic casing,VESA, base bracket included, designed for 24-7 Operation, Base bracket Included, 1 Year Warranty	No	1.00		
3.08	CAT 6, UTP Copper Cables for CCTV.	Roll	5.00		
3.09	8 Core Single Mode Fibre Optic Cable Tight Buffered LS0H Black, for Linking NVR and Switches, Compete with termination accessories.	M	100.00		
4.01	CABLE ROUTINGS & FINAL SUB-CIRCUIT CABLES Cable Trays (200mm X 50mm) - For routing Armoured Cables in power room	No	10.00		
4.02	Cable Trays (150mm X 50mm) - For routing Armoured Cables in lobbies	No	5.00		
4.03	100mm Diameter, Class C, Tough PVC Pipe for the provision of Sleeves	No	10.00		
4.04	50mm Diameter, Class C, Tough PVC Pipe for the provision of Sleeves	No	10.00		
4.05	25mm Diameter, Class C, Tough PVC Conduits (For CCTV Points)	No	500.00		
4.06	Sundries for Cables routes (Joints, bolts, ties, clamps, Junction boxes, back boxes,couplers and other accessories)	Item	1.00		
PART C: OFFICE BUILDING - EXTERNAL WORKS					
BILL No 4	**EXTERNAL WORKS**				
4	**LANDSCAPING**				
a)	**HARD LANDSCAPING**				

i)	**Excavation and Earthworks,.**				
A	PARKING AND WALKWAYS Earthworks SITE PREPARATION Clear site vegetation; bushes, curb, undergrowth and general debris; grubbing up roots; filling in voids left by removal of roots with selected imported fill material 378 M² 1,200.00 453,600.00	M2	378.00		
B	Excavation of top soil Excavate to remove vegetable soil; average 150mm thick deep and dispose materials away from site to a tip to be approved by the Engineer 378 M² 1,500.00 567,000.00	M2	378.00		
iii)	**Sub grade formation**				
C	Granular earthfilling class G15 well rammed and consolidated in 150mm layers to attain 98% maximum dry density	M2	56.70		
v)	**Base Course Layer**				
D	Aggregate/Chipping to Parking Spaces 60mm thick 1/2" aggregate/chippings to parking areas well compacted To parking areas	M2	378.00		
vi)	**Concrete Paving Blocks and Slab**				
E	Precast Concrete Kerbstones Kerbs, splayed BS 340. bedding, jointing and pointing in Cement&Sand mortar (1:3) including all excavation, disposal & formwork "Precast concrete kerbs, in straight length, size 300 x 150mm, bedded and jointed in cement sand mortar (1:3) including 450 x 150 mm haunching one side with in situ concrete grade 20 with all necessary excavation, backfilling and removal of surplus material"	M	71.40		
F	Ground Cover and Grass Excavate oversite preparing soil to receive approved manure	M3	173.25		
b)	**SOFT LANDSCAPING**				
iii)	**Ground Cover and Grass**				
A	Planting of Pemba Grass, raking, levelling of selected light compaction to receive ground soil and cover, watering and applying manure.	M2	173.25		
v)	**Fertilizer**				
A	Apply Diamonnium Phosphate Fertilizer to Plants	Kg	3.00		
5	**FENCING AND GATES.**				
a)	**BLOCKWORK FENCE**				
i)	**SUBSTRUCTURE**				
a)	**Excavations and earth works,,.**				
A	Site Clearance Clear site vegetation; bushes, curb, undergrowth and general debris; grubbing up roots; filling in voids left by removal of roots with selected imported fill material	M2	118.65		

B	Excavation and earthworks Excavate over site average 150mm deep to remove vegetable soil and remove from site	M3	118.65		
C	Excavate column pits commencing at stripped level, not exceeding 1.50 metres deep	M3	69.12		
E	Excavate foundation trench commencing at stripped level and not exceeding 1.50 metres deep.	M3	88.20		
b)	**Concrete work**				
ii)	**Plain in situ concrete grade ‘15’**				
A	CONCRETE WORKS Plain insitu concrete grade '10' in 50mm Thick blinding	M2	46.08		
iii)	**Reinforced in situ concrete grade ‘25’; vibrated;**				
A	High tensile twisted bars reinforcement to BS 4449:1969: (Provisional) 12 mm Diameter bars	KG	1,449.00		
B	8mm Diameter bars	KG	1,397.00		
c)	**Block work**				
i)	**Solid concrete blocks with strength of 3-5MPa; bedded and jointed in cement and sand mortar (1:4)**				
A	Reinforced concrete grade '25' including vibrating around reinforcements with fair surface finish in: Foundations footing	M3	16.91		
B	column bases	M3	13.82		
C	ground beams	M3	6.50		
D	columns	M3	6.60		
E	coping	M3	3.39		
d)	**Formwork,**				
A	Vertical sides of ground beam	M2	56.50		
B	Vertical sides of concrete framing	M2	1.00		
C	Vertical sides of column bases	M2	46.08		
D	Vertical sides of strip foundation in trenches	M2	48.30		
E	Vertical sides of columns	M2	114.82		
e)	**Reinforcement bars; High tensile bars B.S4449; 1969**				
iv)	**Wall finish:.**				
a)	**Plastering in two coats, first coat 12mm thick cement and sand mix (1:3) steel trowelled; prepare and apply second coat 3mm thick stucco steel trowellled including sanding with sand paper**				
A	15mm thicSolid concrete blocks to BS 2028 type 'A' bedded and jointed in cement and sand (1:4) mortar: 230mm Wall k cement and sand plastering to walls or concrete base	M2	136.50		
B	150mm Wall	M2	264.60		
C	100mm thick 350mm wide insitu reinforced concrete coping to block wall; bull nose throated with 20mm radius	M	113.00		
C	Plastering in two coats steel trowelled to	M2	525.00		

	smooth finish 15mm thick to walls				
D	15mm thick to ground beams	M2	56.50		
E	15mm thick to columns	M2	6.60		
F	15mm thick framing to fence walls	M2	5.00		
G	Prepare and apply one thinned coat and two full coats of weather guard paint To rendered walls	M2	525.00		
H	To rendered columns	M2	6.00		
I	To rendered frames of fence walls	M2	5.00		
J	Render; cement and sand (1:3); trowelled 12mm thick; to plinth; to concrete or block work base	M2	135.60		
K	Prepare and apply three coats of black bituminous paint to rendered plinth beam externally	M2	135.60		
L	SECTION No.3: FLAG POSTS Site preparation Site Clearance: Clear site of small trees bushes, shrubs, undergrowth and the like including grubbing up their roots and removing from site the resulting rubbish.	M2	14.00		
M	Excavate foundation trench commencing at stripped level and not exceeding 1.50 metres deep.	M2	13.00		
N	Backfilling of selected materials around foundations well rammed and consolidated.	M3	11.00		
O	Hardcore 100mm thick stone hardcore bed; leveled; compacted and sand blinded to receive polythene membrane; measured separately.	M3	5.00		
P	CONCRETE WORKS: Plain in situ concrete grade ‘25’; 100mm thick Strip Foundations	M3	2.00		
Q	100mm Thick; beds	M3	5.00		
R	FORMWORK Sawn Formwork to: Edges of bed; 75 to 150mm high	M	6.00		
S	BLOCKWORK Solid concrete blocks to BS 2028 type 'A' bedded and jointed in cement and sand (1:4) mortar: 230mm Wall	M2	15.00		
T	MILD STEEL WORKS Black pipes class "B" steel works welded fabrication and bolted on site connections including fabricting, bolting together, hoisting and fixing into position including concrete foundations finishing and paintings as per architects's details 75mm diameter Flag posts	M	27.00		
U	Render; cement and sand (1:3); trowelled 12mm thick; to plinth; to concrete or block work base	M2	6.00		
V	Prepare and apply two coats of black bituminous paint on: Rendered surfaces to plinth	M2	6.00		

PART B: SINGIDA MODERN ONION MARKET - ADMINSTRATION BLOCK					
BILL No 2	**PRIME COST AND PROVISIONAL SUMS**				
PC 2	**PROVISIONAL SUMS**				
	The following Provisional sums are for the works or costs which can not entirely be forseen, defined or detailed during the preparation of Bills of Quantities and should be used in whole or in part at the discretion of the Architects.				
BILL No 3	**MEASURED WORKS**				
ELEMENT No.1	**SUBSTRUCTURE (ALL PROVISIONAL)**				
1	**Excavation and Earthworks;**				
B	Excavate over site to remove vegetable soil commencing at ground level average depth 150mm; deposit in spoil heaps and cart away from site	M2	917.00		
C	Excavate foundation trench commencing at stripped level; not exceeding 1.5m deep.	M3	267.00		
D	Excavate pit for column bases commencing at stripped level; not exceeding 1.5m deep.	M3	179.00		
F	Earth backfilling, well rammed and consolidated around foundations	M3	315.00		
G	Excavated selected materials filling over 300mm girth well rammed in layers of 150mm thick	M3	132.00		
H	Approved filling; over 300mm girth; well rammed and compacted bed under floors	M3	36.00		
I	Allow for keeping excavations free from water (except spring or running water) by pumping, baling or other means necessary	Item	1.00		
J	Allow for the provision and subsequent removal of planking and strutting to uphold and maintain all faces of excavations	Item	1.00		
4	**Hardcore**				
A	150mm thick well rammed and compacted bed under floors blinded with 25mm thick murrum or quarry dust	M2	384.00		
B	150mm thick well rammed and compacted bed under floors to slope blinded with 25mm thick murrum or quarry dust	M2	12.00		
5	**Soil sterilization:**				
A	Chemical anti-termite treatment, executed complete by an approved specialist under a ten-year guarantee, to surfaces of hard-core.	M2	384.00		
B	Backfilling; one side of wall foundations and the like at the rate of 8 litres per meters	M	261.00		
6	**Damp Proof Membrane**				
7	**CONCRETE WORK:**				
	Plain insitu concrete grade ‘15’				
	Plain insitu concrete grade ‘20’				
A	Steps and the like	M3	36.00		
B	100mm Thick Bed	M2	292.00		

	Reinforced insitu concrete grade ‘25’; vibrated; including vibrating around reinforcements:				
A	Ground/Plinth beams	M3	12.00		
B	Column bases	M3	36.00		
C	Strip foundations	M3	59.00		
D	Columns	M3	5.00		
E	150mm Thick Ramp	M2	48.00		
F	Extra over 150mm ramp for forming thicknessing 300mm wide x 175mm (average) deep laid on compacted hardcore	LM	14.00		
8	**REINFORCEMENTS:**				
I	**High tensile steel bar reinforcements with a strength of 500N/mm2 to BS 4449:1969: including bends, hooks, tying wire, ordinary spacers and distance blocks:**				
A	Fabric reinforcement to BS 4483 ref. A142 weighing 3.95 kg per square meter laid in Ramp	M2	1,560.00		
B	High tensile hot rolled deformed steel bar reinforcement to BS 4449:1997 Irrespective of sizes	Kg	10,600.00		
9	**Formwork:**				
	Vertical or battering surfaces				
A	Sawn formwork to Vertical sides of column bases	M2	49.00		
B	Ditto; Vertical sides of plinth beams and the like 200mm high	M	521.00		
C	Ditto: Vertical sides of column	M2	58.00		
D	Vertical sides of Ramps	M2	3.00		
E	Ditto; Vertical edge of slab over 75 but not exceeding 150mm high	M	102.00		
F	Risers of steps 75 but not exceeding 150mm high	M	204.00		
10	**WALLING**				
	Solid concrete blocks to BS 6073 Type 'A' dense aggregate, average compressive strength 7N/sq mm; in cement mortar				
A	WALLING Blockwork; solid concrete blocks; BS 6073 type A; compressive strength 7.0N/sq.mm; in cement mortar (1:3) 230mm thick walling	M2	301.00		
B	External plastering in two coats,first coat 12mm thick cement and sand (1:4) steel trowelled;prepare and apply second coat 3mm thick stucco steel trowelled to smooth finish, including sanding with sand paper	M2	62.00		
C	Painting; Bituminous paints Prepare and apply one undercoat and two finishing coats of matt weather-guard paint to rendered plinth wall	M2	62.00		
12	**DAMP PROOFING**				
A	500 Gauge polythene damp proof membrane laid over blinded hardcore (measured separately)	M2	384.00		

B	Hessian based damp proof course to BS 743 type "5A" 230mm wide laid horizontally on blockwork	M	174.00		
ELEMENT No.2	**FRAMES**				
	CONCRETE WORKS:				
II	**Reinforced insitu concrete grade '25' including vibrating around reinforcements.**				
A	Columns	M3	31.00		
B	Sloping beams exceeding 15 degree from horizontal	M3	36.00		
C	100mm Thick roof gutter	M2	172.00		
D	100mm Thick suspended slab	M2	445.00		
E	150mm Thick Roof Slab	M2	118.00		
2	**REINFORCEMENTS;**				
	High tensile steel bar reinforcements with a strength of 500N/mm2 to BS 4449:1969: including bends, hooks, tying wire, spacers and distance blocks.				
A	Irrespective of sizes	Kg	30,296.00		
3	**Formworks**				
	Wrought formwork to:				
A	Sides and soffits of horizontal beams required strutting over 3.50 but not exceeding 8.00 metres high	M2	265.00		
B	Soffits of suspended slab	M2	385.00		
C	Soffits of suspended roof slab	M2	110.00		
D	Vertical edge of slab over 75 but not exceeding 150mm high	M	214.00		
E	Vertical sides of columns	M2	372.00		
ELEMENT No.3	**STAIRS AND RAMPS**				
1	**CONCRETE WORKS**				
	Reinforced insitu concrete grade '25' including vibrating around reinforcements-Stairs				
A	150mm horizontal landings	M2	3.00		
B	Ground beams	M3	0.30		
C	Horizontal beams	M3	0.50		
D	Steps or staircases	M3	2.00		
2	**REINFORCEMENTS**				
	High tensile reinforcement steel bars to B.S 4461:1969 including bends, hooks, tying wire, spacers and distance blocks.				
A	Steel of various sizes	Kg	379.00		
3	**FORMWORKS**				
	Marine Board formwork to:				
A	Soffits of landings; horizontal; generally	M2	3.00		
B	Vertical sides of ground beams; horizontal	M2	1.00		
C	Attached beams; horizontal; sides and soffits; generally	M2	6.00		
D	Strings; sloping; generally	M2	8.00		

E	Edges of suspended slabs; vertical face; 75-150mm high	M	5.00		
F	Risers of staircases; vertical face; 75-150mm high	M	30.00		
G	Edges of stairacase flights; 300mm maximum width; cutting to profile of steps	M	11.00		
4	**Balustrade**				
A	Plates, bars, sections and tubes; stainless steel Balustrade, 1100mm high, comprising of 80mm diameter stainless steel pipe handrail; 70mm diameter baustrades welded at 450mm centres to handrail at one end and fixed with screws to floor; 40mm dia. intermediate vertical rails at 300mm centres welded to 70mm diameter intermediate rail and 40mm diameter bottom rails (All as per Architect design)	M	8.00		
B	FINISHES In situ finishings in staircase area; plaster; 12mm first coat of cement and sand (1:4) and 5% lime putty; 3mm second coat of cement, sand and lime putty (1:1:5); steel trowelled finish work to soffits of landings; to concrete base; 15mm thick; over 300mm wide	M2	3.00		
C	Ditto; Work to sloping soffits of staircase strings; to concrete base; 15mm thick; over 300mm wide	M2	8.00		
D	Edges of staircase flights;15mm thick x 300mm maximum width; cutting to profile of steps	M	11.00		
E	Prepare and apply one primer coat and two finishing coats of washable emulsion paint or equal and approved; Internally Work to soffits of landings; to concrete base; over 300mm wide	M2	3.00		
F	Work to sloping soffits of staircase strings; to concrete base; over 300mm wide	M2	8.00		
G	Edges of stairacase flights; cutting to profile of steps; over 300mm wide	M	11.00		
H	In-Situ finishings; cement and sand; screeded beds and backings; Mix (1:3) 40mm thick beds, floated to floors; level or to falls; to concrete base; over 300mm wide; to receive floor tiles	M2	3.00		
I	40mm thick x 300mm wide work to treads; to concrete base to receive tiles	M	27.00		
J	40mm thick x 150mm wide work to risers; to concrete base; to receive tiles	M	30.00		
K	In-Situ finishings; cement and sand; screeded beds and backings; Mix (1:3) 25 x 150mm high skirting	M	4.00		
L	25 x 150mm high skirting to wall strings; working to profiles of steps and risers	M	5.00		
M	Tile, slab or block finishings in floor	M2	3.00		

	finishes; Porcelain Floor tiles; full body (Ex-RAK); 3mm butt joints; laid to approved pattern; bedded and pointed in cement mortar; fixing with approved adhesive; grouting with approved grout 600 x 600 x 10mm units to floors on cement and sand base; level or to falls only not exceeding 15 degrees from horizontal				
N	Ditto: 150 x 500 x 6mm thick units in plain skirtings	M	4.00		
O	Ditto: 10mm thick x 300mm wide work to treads; to concrete base	M	27.00		
P	Ditto: 10mm thick x 150mm wide work to risers; to concrete base; one rounded edge; one coved junction with treads	M	30.00		
Q	Ditto: 10mm Thick x 150mm high skirting to wall strings; working to profiles of steps and risers	M	5.00		
ELEMENT NO.4	**WALLING.**				
1	**BLOCKWORK:**				
I	**Solid concrete blocks to BS 6073 Type 'A' dense aggregate, average compressive strength 7N/sq mm; in cement mortar:**				
A	Precast Concrete; Mix 1:1.5;3; bedding, jointing and pointing in cement mortar (1:3) Cills; 300 x 80mm Thick; weathered once; throated once; reinforced 4 No. 12mm rolled mild steel bars; 8mm diameter mild steel links at 250mm centres; finish fair on top, two faces and part soffits	M	26.00		
B	Lintels; 230mm Thick x 300mm wide; reinforced 4 No. 12mm rolled mild steel bars; 8mm diameter mild steel links at 200mm centres	M	78.00		
C	Coping; 305 x 75mm Thick; weathered once; throated twice; reinforced 4 No. 12mm rolled mild steel bars; 8mm diameter mild steel links at 250mm centres; finish fair on top, two faces and part soffits	M	44.00		
D	Blockwork; solid concrete blocks; BS 6073 type A; compressive strength 7.0N/sq.mm; in cement mortar (1:3) 150mm Thick external wall	M2	552.00		
E	Ditto: 150mm Thick internal wall	M2	618.00		
F	Ditto: 150mm Thick parapet wall	M2	52.00		
ELEMENT No. 4: ROOF	FLAT ROOF The end of 8 nr roof truss spanning over 12.00 but not exceeding 15.00m) Steel Truss The following in 8 No. Type T1 roof truss spanning over 1200 but not exceeding 15.00 meters : CHS 75.3. 0 x3.0 S250 Top and Bottom chord.	M	262.00		
	Ditto; CHS 48.3x3.0 S250 Struts.	M	210.00		
C	Mild steel grade 43 to BS 449-2:1969 including pepare and apply two coats of	M	520.00		

	high build red oxide primer and two coats of enamel pain 150x50x20x3mm Mild steel " Z " Purlins welded to rafters with and including cleats				
D	10mm thick Mild still plate 300 x 250mm with 2No holes 16mm diameter.	No	106.00		
E	10mm thick Mild stell plate 200 x 0mm with 2No holes 16mm diameter.	No	106.00		
F	J- BOLTS 16mm diameter J Bolts complete wit nuts and washers	No	88.00		
G	26 Gauge type Aluminium/Zinc coated (IT5) roofing sheets as manufactured by the ALUCO or other equal and approved manufacturers; laid with one and a half corrugations side laps and 250mm end laps fixed to steel purlins (measured separately) with 120x8mm galvanised steel hook bolts including galvanised steel and bitumen washers and neoprene caps to bolts: Roof covering sloping not exceeding 45 degrees from horizontal.	M2	464.00		
H	Water Proofing Roof water proofing; "Kryton T1 and T2"; prepare and apply two coats of krystol T1 at a coverage of 0.8kg/m2(1.5lb./sq.yd.) per coat, apply finishing coat of krystol T2 from 6 to 24 hours, wet cure for at least 3 days, protecting from frost, rain and traffic for at least 24 hours; warranted for permanent treatment; all as per manufacturers instruction and specifications A All layer covering to roofs; cover 300mmgirth; to falls or cross falls or sloping not exceeding 45 degree from horizontal	M2	122.00		
I	Two layers turn up at abutments; bonding with hot betumen to concrete or blockwork base; 300mm high; one dressing over angle fillet; one turning into groove.	M	73.00		
I	Dressing into 150mm diameter rainwater outlet.	No	8.00		
J	Beds and Backings; mortar; cement and sand (1:3); external; to receive roof felt 40mm thick average beds; screeded; to roofs; level or to falls; to concrete base	M2	122.00		
K	20mm thick backings; screeded; at abutment to walls; 150mm high	M	73.00		
ELEMENT No.6	**DOORS:**				
1	**HEAVY DUTY ALUMINIUM DOORS**				
	"Design, Engineering, Fabrication, installation, Testing and Commissioning of hinged doors with 100 mm series; 1.3mm thick to be fabricated and installed by an approved aluminium fabricator.50 x 42mm Profile for panels. All extruded aluminium provided shall be grade 6063 T6 and shall be extruded to BSEN12020. Powder Coating should be of 50 Micron minimum thickness applied in accordance with either BS6496 or BSEN 12206. Appropriate fasteners to be used to secure the doors to the openings. All assembly screws and fixings shall be grade A2 or A4 austenitic stainless steel (class 70). All Extruded Gaskets and weather seals shall be EPDM. Infill Glass to be 10mm Laminated Clear Glass. Full set of shop drawings and structural				

	calculations to be submitted for approval before production."				
A	ALUMINIUM ALLOY DOORS Supply and fix the following purpose made sand blasted glazed door aluminium framed; 100 x 50 x 1.8mm thick Heavy duty Natural Anodized Aluminum framing as supplied by M/S DAR ES SALAAM GLASS WORKS of P.O.BOX 253 DSM; one panel glazed with 8mm thick sandblasted glass; and 16mm thick self finish MDF boarding faced both sides including beech melamine or Equal Approved; complete with all fittings; Door closer DCL 61 and all other accessories and fasterners; fixing to wood framing/blockwork; silicon sealer; all Iron-mongeries as per HAFELE specifications Double leaf Door and fanlight Type; overall size 2730 x 3150mm high; openable panel overall size 800mm x 2100mm high; top fanlight in one fixed light; overall size 600 x 800mm high	No	6.00		
B	Ditto: 2500 x 3150mm high	NO	7.00		
C	Ditto: 900 x 3150mm high	No.	8.00		
	Ditto; 800mm x 2100mm high -toilets	NO.	16.00		
E	Main Entrance door 3230 x 3150mm high	No	1.00		
F	Ditto 2730 x 3150mm high	No	4.00		
5	**OTHER DOORS**				
	Mild steel metal grill unit comprising of 37.5 x 37.5mm mild steel hollow section framing and 25 x 3mm thick flat bars welded together to pattern to be approved by the project manager, including all necessary ironmongeries and materials, grinding and polishing all welded connections to a smooth finish				
A	METAL GATES DOORS FOR SHOP UNITS Supply and fix the following purpose made METAL Gate Rolling doors as per manufacturer specifications overall size 2450 x 2650mm high painted with two coats of high build red oxide primer and two coats of enamel paints Single leaf Metal Door ; overall size 3000 x 3150mm high.	No	13.00		
6	**IRON MONGERY**				
	Supply and fix the following ironmongery; HAFELE/UNION or other equal and approved; to hardwood with matching screws.				
ELEMENT No.7	**WINDOWS**				
1	**HEAVY DUTY ALUMINIUM ALLOY WINDOWS-DOUBLE GLAZING**				
I	**"105mm sliding window system Ex-UAE with fly mesh and 2 sliding glass panels to be fabricated and installed by an approved aluminium fabricator. All extruded aluminium provided shall be grade 6063 T6 and shall be extruded to BSEN12020. Powder Coating should be of 50 Micron minimum thickness applied in accordance with either BS6496 or BSEN 12206. Appropriate fasteners to be used to secure the windows to the openings. All assembly screws and fixings shall be grade A2 or A4 austenitic stainless steel (class 70). All Extruded Gaskets and weather seals shall be EPDM. All joints to be silicone sealed and watertight. Rollers should be suitable for the weight of the shutter and should be of a type with bearings. The system should be designed to drain water to the outside. Infill Glass to be Double Glazing Unit (DGU) comprising of 6mm thick Tempered Solar Control Glass +10mm Dry Air Spacer + 6.38mm Laminated Glass, All DGU will be sealed using a structural grade. The edges of the DGU shall**				

	incorporate aluminium channel sections to enable the units to be mechanically secured to the curtain wall frame. DGU shall have the following performance – Light Transmission (LT) 30-60%, U-Value <= 2.2, Solar Factor (SF) <0.39, Solar Heat Gain Co-efficient (SHGC) < 0.39. Full set of shop drawings and structural calculations to be submitted for approval before production. As per Architect's Instruction and Aproval"				
A	Supply and fix the following purpose made aluminium alloy windows; comprising of; 105x 50 x 1.8mm thick Heavy duty Natural Anodized Aluminum Profile as supplied by M/S DAR ES SALAAM GLASS WORKS of P.O.BOX 253 DSM: INNER and OUTER panels; natural Anodized finish; provide outer panels glazed with 8mm thick cloured glass; and provide innner openable sliding panels; complete with all fittings; accessories and fasterners; fixing to concrete base:silicon sealer 1200mm x 850mm Overall high;	No	6.00		
3	**Mild Steel Metal grill unit comprising of 25 x 25mm mild steel hollow section framing and 25 x 3mm thick flat bars welded together to pattern to be approved by the project manager, including all necessary material, grinding and polishing all welded connections to a smooth finish (Provisional)**				
A	Decorative security grills in galvanized m.s welded fabrication, welds ground smooth; 25mm x 25mm SHS in main frame with 25mm mild steel flat bars laid both vertically and horizontally at 100mm centres; fixing with expansion bolts with 12mm loose bolts and space 1200mm x 850mm Overall high;	No	6.00		
ELEMENT No. 7 - FINISHINGS	Wall finishes In-situ finishings; external; plaster; 12mm first coat of cement and sand (1:4); and 5% lime; 3mm second coat of cement, sand and lime (1:1:5); steel troweled finish Walls; blockwork, concrete or masonry surfaces externally	M2	552.00		
B	Ditto To parapet walls	M2	106.00		
C	Ditto; Plastered suspended ceiling; Externally	M2	84.00		
D	In-situ finishings; internal; plaster; 12mm first coat of cement and sand (1:4); and 5% lime; 3mm second coat of cement, sand and lime (1:1:5); steel trowelled finish Walls;blockwork concrete or masonry surfaces internally	M2	1,738.00		
E	Ceiling finishes In-situ finishings; internal; plaster; 12mm first coat of cement and sand (1:4); and 5% lime; 3mm second coat of cement, sand and lime (1:1:5); steel trowelled finish Ceiling; concrete surfaces; Internally	M2	385.00		
F	Ditto: Beams internally	M2	156.00		
G	In-Situ finishings; cement and sand; screeded beds Mix (1:3) Beds ; 40mm thick; over 300mm wide	M2	923.00		
H	40mm thick x 300mm wide work to treads; to concrete base	M	47.00		

I	Ditto: 20mm thick x 150mm wide work to risers; to concrete base; one rounded edge; one coved junction with treads	M	94.00		
J	In-Situ finishings; cement and sand;backings; Mix (1:3) Backing; 20mm; to receive wall tiles	M2	190.00		
K	Wall tiles Provide for supply of ceramic wall tiles and take delivery and fix 600 x 200 x 6mm ceramic tiles (Ex-RAK) to walls on prepared backing (measured separately)	M2	190.00		
L	Floor Finish Tile, slab or block finishings in floor finishes; Porcelain Floor tiles; full body (Ex-RAK); 3mm butt joints; laid to approved pattern; bedded and pointed in cement mortar; fixing with approved adhesive; grouting with approved grout 600 x 600 x 10mm units to floors on cement and sand base (m/s); internally	M2	923.00		
M	300 wide treads; butt joints; one rounded nosing with non-slip finish; to cement and sand base	M	47.00		
N	150 wide risers; butt joints; to cement and sand base	M	94.00		
O	Allow for curtain walling ALUKO Bond as per manufacturer printed instructions.	M2	696.00		
ELEMENT NO. 8 PAINTING AND DECORATIONS	Prepare and apply one primer coat and two finishing coats of washable emulsion paint or equal and approved; Internally Plastered walls; internally	M2	1,738.00		
A	Ditto: Plastred suspended ceilling; Externally	M2	84.00		
B	Ditto; Plastred suspended ceilling; Internally	M2	385.00		
A	Prepare and apply one primer coat and two finishing coats of Weather guard paint or other equal and approved; Externally Plastered walls surfaces; externally	M2	552.00		
C	Ditto; Parapet walls both sides	M2	106.00		
D	Columns	M2	41.00		
PART B: SINGIDA MODERN ONION MARKET - STORAGE AND DRAYING PLACE					
BILL NO. 3	**MEASURED WORKS**				
ELEMENT NO. 1	**SUBSTRUCTURE**				
1	**SITE PREPARATION**				
IV	**Preserving vegetable soil**				
A	Excavate oversite to remove topsoil 150mm thick and cart away and deposit away from site	m2	6,150.00		
3	**EXCAVATION AND EARTHWORK**				
I	**Excavation of foundation trenches**				
B	Excavate foundations trench commencing at formation level and not exceeding 1.50	m3	411.00		

	metres deep				
II	**Excavation of pits**				
C	Excavate pit for column base commencing at formation level and not exceeding 1.50 metres deep	m3	913.00		
VI	**Backfilling and Disposal of Materials**				
D	Earth backfilling, well rammed and consolidated around foundations	m3	892.00		
E	Excavated selected materials filling over 300mm girth well rammed in layers of 150mm thick	m3	432.00		
F	Approved filling;over 300mm girth; well rammed and compacted bed under floors	m3	569.00		
G	Disposal of water Allow for keeping excavations free from water (except spring or running water) by pumping, baling or other means necessary	item	1.00		
H	Planking and strutting Allow for the provision and subsequent removal of planking and strutting to uphold and maintain all faces of excavations	item	1.00		
7	**HARDCORE OR THE LIKE**				
I	**Hardcore beds**				
I	Hardcore 150mm thick well rammed and compacted bed under floors blinded with 25mm thick murrum or quarry dust	m2	3,336.00		
II	**Surface treatment**				
A	Soil sterilization; treatment- Dragnet FT Solution Chemical anti-termite treatment, executed complete by an approved specialist under a ten-year guarantee, to surfaces of hard-core.	m2	3,336.00		
8	**ANTI-TERMITE TREATMENT**				
I	**Gammalin 20 EC solution or other equal environmentally friend and approved**				
F	Backfilling; one side of wall foundations and the like at the rate of 8 litres per metres	Lm	716.00		
9	**REINFORCEMENT (PROVISIONAL)**				
I	**BRC Fabric Reinforcement**				
G	Plain concrete grade "15" 50mm Thick Blinding	m2	702.00		
II	**Bars; high yield steel; cold worked; B.S. 4449; in any location**				
A	Plain concrete grade "20" Steps up stands for generator mashine	m3	3.00		
B	100mm Thick Bed	cm	4,186.00		
10	**CONCRETE WORK**				
II	**IN-SITU CONCRETE; REINFORCED**				
II	**Normal; class M25 (C20/25); vibrated around reinforcement**				
C	Reinforced concrete grade "25" including vibrating around reinforcement	m2	33.00		

	Ground/Plinth beams				
III	**Normal; class M20 (C16/20); vibrated around reinforcements**				
D	Reinforced concrete grade "25" including vibrating around reinforcement Column bases.	m2	211.00		
E	Strip foundations	m2	72.00		
F	Columns	m2	73.00		
G	150mm Thick slab road work 6m wide	m2	712.00		
H	Fabric reinforcement to BS 4483 ref. A142 weighing 3.95 kg per square metre laid in Ramp	m2	500.00		
I	High tensile hot rolled deformed steel bar reinforcement to BS 4449:1997 Irrespective of sizes	Kg	47,490.00		
J	Vertical sides of column bases	m2	562.00		
K	Vertical sides of plinth beams and the like	m2	286.00		
11	**FORMWORK TO CONCRETE SURFACES**				
I	**Formwork generally**				
A	Sawn formwork Cont'… Vertical sides of column	m2	724.00		
B	Vertical edge of slab over 75 but not exceeding 150mm high	Lm	716.00		
C	Risers of steps 75 but not exceeding 150mm high	Lm	203.00		
II	**Formwork to edges or risers**				
D	Edges of steps; maximum 300mm high including cutting to profile of risers and treads.	Lm	56.00		
12	**BLOCKWORK FOUNDATION**				
I	**Blockwork; concrete blocks, BS 6073 type A, solid, dense aggregate; bedded and jointed in cement mortar (1:3)**				
A	Blockwork; solid concrete blocks; BS 6073 type A; compressive strength 7.0N/sq.mm; in cement mortar (1:3) 230mm thick walling	m2	927.00		
B	Damp proof courses 500 Gauge polythene damp proof membrane laid over blinded hardcore (measured separately)	m2	3,336.00		
C	Hessian based damp proof course to BS 743 type "5A" 230mm wide laid horizontally on blockwork	Lm	1,354.00		
D	J Bolts Mild steel 20mm diameter J Bolts as specified and size	No	1,248.00		
E	EXPANSION JOINTS Sundries associated with in-situ works; Expansion Joints, 12mm thick x 175mm wide construction joint filled with polystrene Material. …(118m)	m2	94.00		
14	**FINISHINGS**				
I	**In-situ Finishing to Wall**				
A	External plastering in two coats,first coat	m2	324.00		

	12mm thick cement and sand (1:4) steel trowelled;prepare and apply second coat 3mm thick stucco steel trowelled to smooth finish, including sanding with sand paper				
15	**PAINTING AND DECORATION**				
I	**Plastered block work or concrete base**				
A	Painting; Bituminous paints Prepare and apply one undercoat and two finishing coats of matt weather-guard paint to rendered plinth wall	m2	324.00		
ELEMENT NO. 2	**FRAME/ REINFORCED CONCRETE SUPERSTRUCTURE**				
5	**STEEL WORK STRUCTURE**				
I	**STRUCTURAL STEEL WORK; WELDABLE; BS 5950**				
A	BLACK PIPE STEEL FABRICATIONS Black pipe Unframed structural circular hollow section steel pipes members of roof trusses with weights not exceeding 5.00kg per linear metre with flattened welded connections and sealed ends including hoisting and placing to position and painted with two coats of high build red oxide primer and two coats of enamel paints The following in 160No. Type T1 roof truss spanning over 18.00 but not exceeding 21.00 metres : CHS 60x3.0 S250Top and Bottom chord.	Lm	3,875.00		
B	CHS 48.3x3.0 S250 Strutts.	Lm	3,476.00		
ELEMENT NO. 4	**ROOFING**				
1	**ROOF COVERING**				
I	**Industrial Troughed Aluminium Sheet**				
A	28 Gauge type Aluminium/Zinc coated (IT5) roofing sheets as manufactured by the ALUCO or other equal and approved manufacturers; laid with one and a half corrugations side laps and 250mm end laps fixed to steel purlins (measured separately) with 120x8mm galvanised steel hook bolts including galvanised steel and bitumen washers and neoprene caps to bolts: Roof covering sloping not exceeding 45 degrees from horizontal.	m2	4,973.00		
B	Extra; large radius bend	No	108.00		
C	Extra; bend	No	56.00		
2	**ROOF STRUCTURE**				
I	**STRUCTURAL STEEL WORK FOR ROOF; WELDABLE; BS 5950**				
A	Black pipe Unframed structural circular hollow section steel pipes members of roof trusses with weights not exceeding 10.00kg per linear metre with flattened welded connections and sealed ends including hoisting and placing to position and painted with two coats of high build red oxide	Lm	1,008.00		

	primer and two coats of enamel paints. 100mm diametr Blackpipe 4.5mm thick				
B	12mm thick Mild stell plate 400 x 400mm with 4No holes 16mm diameter.	No	168.00		
C	Mild steel grade 43 to BS 449-2:1969 including pepare and apply two coats of high build red oxide primer and two coats of enamel pain 150x50x20x3mm Mild steel " Z " Purlins welded to rafters with and including cleats	No	5,102.00		
II	**STRUCTURAL STEEL SECTION; GRADE 43; BS 4360**				
A	Unplasticised PVC rainwater pipes to BS 4514 Supply 150mm dia pipe (UPVC CLASS B) for rain water down pipes drop pipes inside building and storm water collection outside building including fittings 286M LONG	Lm	236.00		
ELEMENT NO. 7	**FINISHING**				
1	**FINISHINGS; INTERNALLY**				
II	**FLOOR FINISHING**				
A	Beds ; 40mm thick; over 300mm wide storage area Drying and sorting Area with Steel posts	m2	4,189.00		
B	40mm thick x 300mm wide work to treads; to concrete base	Lm	102.00		
C	20mm thick x 150mm wide work to risers; to concrete base; one rounded edge; one coved junction with treads	Lm	96.00		
PART C: OFFICE BUILDING - FIRST FLOOR					
BILL No 3	**MEASURED WORKS**				
ELEMENT No.2	**FRAMES**				
	CONCRETE WORKS:				
II	**Reinforced insitu concrete grade '25' including vibrating around reinforcements.**				
A	Columns	M3	5.78		
B	Suspended Beams/Horizontal Beams (Roof beams)	M3	22.05		
C	230mm thick reinforced concrete wall	M2	26.57		
D	Gutter Beams	M3	28.35		
2	**REINFORCEMENTS;**				
	High tensile steel bar reinforcements with a strength of 500N/mm2 to BS 4449:1969: including bends, hooks, tying wire, spacers and distance blocks.				
A	8mm Diameter	Kg	438.90		
B	10mm Diameter	Kg	851.55		
C	12 mm Diameter	Kg	3,228.75		
D	16mm Diameter bars	Kg	5,130.30		
3	**Formworks**				
	Wrought formwork to:				

A	Formwork Wrought formwork to: Vertical sides of columns	M2	100.80		
B	Sides and soffits of horizontal beams;	M2	239.40		
C	vertical sides of concrete wall	M2	54.60		
D	Soffits of roof slab	M2	97.65		
E	Edge of roof slab	M	94.50		
ELEMENT No.3	**STAIRS AND RAMPS**				
1	**CONCRETE WORKS**				
	Reinforced insitu concrete grade '25' including vibrating around reinforcements-Stairs				
2	**REINFORCEMENTS**				
	High tensile reinforcement steel bars to B.S 4461:1969 including bends, hooks, tying wire, spacers and distance blocks.				
3	**FORMWORKS**				
	Marine Board formwork to:				
4	**Balustrade**				
ELEMENT NO.4	**WALLING.**				
1	**BLOCKWORK:**				
I	**Solid concrete blocks to BS 6073 Type 'A' dense aggregate, average compressive strength 7N/sq mm; in cement mortar:**				
A	230mm. Walls.	M2	185.85		
B	150mm. Walls.	M2	78.75		
C	230mm thick	M2	75.60		
A	FINISHES INTERNAL FINISHES INSITU FINISHINGS Porcelain tiles ex- Italy with cushion edges fixed to screed with approved adhesives and pointed with coloured grout 10mm Tiling to floors	M2	263.55		
B	10mm Skirting 100mm high with rounded edge and coved junction with paving	M	159.60		
C	Plastering in two coats steel trowelled to smooth finish 15mm To Walls	M2	556.50		
III	**Precast concrete: Precast concrete grade 25 finished fair on all exposed faces including hoisting into position; bedding; jointing and pointing as necessary in cement and sand (1:3) mortar:**				
A	150mmx 75mm Cill weathered, throated and finished fair all round	m	57.75		
B	240x75mm Coping, ditto	M	84.00		
D	TILES, SLABS AND BLOCK FINISHINGS Glazed ceramic wall tiles with cushion edges to Bs 1281 fixed to backings with adhesive and pointing with white cement 10mm Tiling to walls	M2	89.25		
E	Cut and fit around small pipes, bars and the like	Item	1.00		
F	Beds and Backings Cement and sand (1:4) wood floated surface finish 30mm Beding to receive floor tiles	M2	263.55		
G	12mm Backing to receive wall tiles	M2	89.25		

H	EXTERNAL WORK Rendering in two coats steel trowelled to a smooth finish 15mm To walls	M2	201.60		
I	CEILING FINISHES 9mm Thick gpsum board to horizontal ceiling fixed with counter sunk screws to treated soft wood branderingsmeasured separately including sealing the joints with fibre tape andgypsum powder ,internally	M2	263.55		
J	9mm thick gypsum cornice fixed with counter sunk screws to block work background and ceiling joists with gypsum powder	M	234.15		
K	50 X 50mm thick treated softwood branderings	M	1,370.25		
A	PAINTING & DECORATION INTERNAL WORK Prepare and apply one thinned coat and two full coats of vinyl silk paint To plastered walls	M2	467.25		
B	EXTERNAL WORK Prepare and apply one thinned coat and two full coats of weather guard paint To rendered walls	M2	201.60		
ELEMENT No.5	**ROOFING**				
1	**ROOF COVERINGS**				
I	**28 Gauge type Aluminium/Zinc coated (IT5) roofing sheets as manufactured by the ALUCO or other equal and approved manufacturers; laid with one and a half corrugations side laps and 250mm end laps fixed to steel purlins (measured separately) with 120x8mm galvanised steel hook bolts including galvanised steel and bitumen washers and neoprene caps to bolts:**				
A	28 Gauge Industrial Troughed Prepainted aluminium-zinc roofing sheet IT5 as manufactured by ALUMINIUM AFRICA, lapped 150mm at joints and fixed with aluminium hook bolts, nuts and washers at 3000 centers	M2	335.16		
2	**ROOF STRUCTURE**				
	The following are in timber trusses Softwood pressure impregnated with preservative				
A	50 x 100mm Wall Plate	M	105.00		
B	50 X 100mm Rafter	M	150.00		
C	50 X 100mm Tie Beam	M	141.00		
D	50 x 100mm King Post and Struits	M	164.00		
E	50x50mm Purlin	M	335.00		
I	**Unplasticised PVC rainwater pipes to BS 4514**				
II	**Unplasticised PVC rainwater gutter as supplied by "Nabaki Africa" or any other equal and approved complete with fittings and approved complete with fittings and fixing brackets as per supplier's instruction**				
A	150mm Diameter UPVC down pipes with pipe holder bat	M	65.10		
B	Nossle outlet	No	8.00		
C	Elbow	No	8.00		
D	Shoe	No	8.00		
6	**FLAT ROOF TREATMENTS**				

	BEDS or BACKINGS; MORTAR; cement and sand (1:3); screeded; to roofs; level or to falls; to concrete base.				
A	Cement and sand (1:4) screed mixed with Kryton admixture 2% by weight of cement; steel trowelled smooth 40mm (Average) screed to falls, cross falls and slopes not exceeding 15 degrees from horizontal to receive roofing felt	M2	97.65		
B	25mm To parapet concrete wall	M2	75.60		
ELEMENT No.6	**DOORS:**				
5	**OTHER DOORS**				
A	METALWORKS Steel Security Door Composite steel security doors and frames with finishing to Architect's approval including profiled frame, weather stripping, push plate and pull handle and manufacture's exit panic bar and including assembling units on site, stripping protective layer and fixing to manufacturer's specification and proprietary bedding Standard security door and frame overall size 800x2000 mm high, model 725 with associated door level/handle, door stop to manufacturer's specification, heavy duty hinges and including touch-up to door and frame and all necessary ironmongery to Architect's satisfaction	No	1.00		
B	Aluminium doors Supply and fix composite door units comprising of 6mm thick clear glass on top and laminated MDF board on bottom panels on natural anodised aluminium framing including all accessories and ironmongery, cutting and pinning lugs and fixing frame to existing wall openings Ditto; Size 1770 x 2800mm high overall, double leaf	No	1.00		
C	Ditto; Size 900 x 2800mm high overall, double leaf	No	5.00		
D	Metal grille Supply and fix mild steel grilles doors comprising of 25x25mm square hollow section mild steel frame, 20x3mm thick flat bars welded together to pattern including all necessary additional materials, iron mongeries, grinding, polishing, priming with red oxide and painting all welded conditions to smooth surfaces welded to metal rods fixed in the wall as per Architect's drawing Size 900 x 2100mm high	No	2.00		
E	Supply and fix composite door units comprising of 6mm thick tinted glass on top and laminated MDF board on bottom panels on natural anodised aluminium framing including all accessories and ironmongery, cutting and pinning lugs and fixing frame to existing wall openings Ditto; Size 800 x 2800mm high overall	No	6.00		

ELEMENT No.7	**WINDOWS**				
2	**Metal works Anodized aluminium casement window frames, 1.5mm thick sections complete with 6mm thick wired glass and mosquito gauze framing and all necessary ironmongeries**				
A	METALWORK Supply and fix composite window unit comprising of 6mm thick one way reflective glass panes on natural anodised aluminium framing, sliding or hinged and fixed casement including all accessories and ironmongery, cutting and pinning lugs and bedding frame in cement mortar and sealing surrounds with approved mastic to approved manufacturer's specification and as per architect drawings Window size 2000 x2100mm high	No	13.00		
B	Window size 1200 x2100mm high	No	4.00		
C	Window size 1770 x2100mm high	No	2.00		
D	Window size 2150 x1350mm high	No	2.00		
E	Window size 2770 x 4350mm high	No	1.00		
3	**Mild Steel Metal grill unit comprising of 25 x 25mm mild steel hollow section framing and 25 x 3mm thick flat bars welded together to pattern to be approved by the project manager, including all necessary material, grinding and polishing all welded connections to a smooth finish (Provisional)**				
A	Supply and fix mild steel grilles windows comprising of 25x25mm square hollow section mild steel frame, 20x3mm thick flat bars welded together to pattern including all necessary additional materials, iron mongeries, grinding, polishing, priming with red oxide and painting all welded conditions to smooth surfaces welded to metal rods fixed in the wall as per Architect's drawing Window size 2000 x2100mm high	No	13.00		
B	Window size 1200 x2100mm high	No	4.00		
C	Window size 1770 x2100mm high	No	2.00		
D	Window size 2150 x1350mm high	No	2.00		
E	Window size 2770 x 4350mm high	No	1.00		
ELEMENT No.8	**PLUMBING AND ENGINEERING INSTALLATIONS**				
1	**SANITARY APPLIANCES**				
i	**Supply and fix the following sanitary appliances including all connections and fixing to FLOORS or WALLS as necessary, reference Make or equal as approved by services Engineers.**				
A	WC suites, white glazed vitreous china; low level; nine litre white glazed vitreous china cistern, cover and brackets; ball valves,flush pipe; plastic seat and cover; operating handle and	No	2.00		
B	WC suites, white glazed vitreous china; squarter high level; nine litre white glazed vitreous china cistern, brackets; ball valves, flush pipe; operating handle and connecting to soil and vent pipe.	No	2.00		
C	Hand wash basin, with single tap hole, white glazed vitreous china; complete with	No	3.00		

	cold water tap, fixing brackets with screws to backgrounds requiring plugging; bedding waste in white lead.				
D	Urinal , while glazed vitreous china; five litre white glazed vitreous china cistern, cover and brackets; ball valves, flush pipe; operating handle and connecting to soil and vent pipe.	No	2.00		
E	Stainless steel kitchen sink with double bowl,single drainer,38mm chrome plated strainer waste, chain and rubber plug with slotted tail; 38mm plastic bottle trap with 75mm sealand fixed with chromium plated screws	No	1.00		
F	Supply and install water heaters with capacity 15Litres complete with all associated	No	1.00		
G	Accessories Toilet roll holder; Cat, No T9003028	No	4.00		
H	6mm silver Mirror, lead backed, size 850 x 600mm with arise edges fixed to wall with mirror screws.	No	4.00		
I	Supply and install Soap Dispenser	No	4.00		
J	Supply and install shattaf hose	No	5.00		
K	Hand Spray	No	4.00		
L	Laboratory Body Spray	No	4.00		
2	**COLD WATER INSTALLATIONS DISTRIBUTION PIPES**				
3	**SUPPLY PIPES**				
A	Water Distribution system; Dizayn PPR 80 green pipes and fittings to BS 1387. Supply and install 40mm diameter water supply pipe including fittings and accessories (elbows,tees, connectors, bends etc)	M	12.00		
B	Supply and install 25mm diameter water supplypipe including fittings and accessories (elbows,tees, connectors, bends etc)	M	12.00		
C	Supply and install 20mm diameter water supply pipe including fittings and accessories (elbows,tees, connectors, bends etc)	M	22.00		
D	Supply and install 15mm flexible pipe connectors to wash hand basin (WHB), Water closet (WCs), and kitchen sink.	No	3.00		
E	Supply and fix 15mm diameter corner valves with hand wheel, polished by manufacturer.	No	14.00		
F	Supply and fix 25mm diameter stop valves with hand wheel, polished by manufacturer.	No	1.00		
4	**Ancillaries:**				
5	**WASTE AND VENT PIPES:**				
	UPVC pipes;Class ‘B’; including fittings in running length.				

A	Supply and install 110mm diameter pipe (uPVC) for foulwater including fittings and standard holderbats fixing to wall or slab requiring plugging.	M	32.00		
B	Supply and install 50mm diameter pipe (uPVC) for foulwater including fittings and standard holderbats fixing to wall or slab requiring plugging.	No	34.00		
C	Supply and install 40mm diameter pipe (uPVC) for waste water including fittings and standard holderbats fixing to wall or slab requiring plugging	No	22.00		
D	Allow for elbows, bends connector traps etc to suit the above installation	Item	1.00		
E	Supply and install vent cowl of 110mm diameter	No	2.00		
F	PORTABLE FIRE EXTINGUISHERS	No	2.00		
PART C: OFFICE BUILDING - GROUND FLOOR					
BILL No 3	**MEASURED WORKS**				
ELEMENT No.1	**SUBSTRUCTURE (ALL PROVISIONAL)**				
1	**Excavation and Earthworks;**				
A	Clear site of small bushes, shrubs, undergrowth, and the like and grub up their roots	M2	360.00		
B	Excavate over site to remove vegetable soil commencing at ground level average depth 150mm; deposit in spoil heaps and cart away from site	M2	360.00		
C	Excavate foundation trench commencing at stripped level; not exceeding 1.5m deep.	M3	200.55		
D	Ditto; over 1.5m not exceeding 3.0m deep	M3	56.70		
E	Back filling selected imported sand material; compact and consolidate around foundations.	M3	424.20		
F	Remove surplus excavated material from site.	M3	158.55		
G	Earth filling; selected imported sand material compacted in 300mm layers; to make up levels under the floor.	M3	94.50		
H	Excavate column pits commencing at stripped level, not exceeding 1.50 metres deep	M3	284.55		
2	**Disposal of water:**				
A	Allow for keeping excavations free from general water (except spring or running water by any means necessary.	Lumpsum	1.00		
3	**Planking and strutting.**				
A	Allow for provision and subsequent removal of planking and strutting to uphold and maintain all faces of excavations.	Lumpsum	1.00		
4	**Hardcore**				

A	200mm thick; stone hardcore bed; leveled; compacted and sand blinded to receive damp proof membrane; measured separately.	M2	315.00		
5	**Soil sterilization:**				
A	Gammalin 20 solution or equal and approved; applied at a rate of 450ml per square metre over hardcore surfaces beds and top of foundation walls.	M2	315.00		
B	Ditto; at a rate of 450ml per linear metre of 300mm. width to 235x 600mm. deep backfilling to one external side of foundations.	M	96.60		
6	**Damp Proof Membrane**				
A	500 Gauge polythene damp proof membranes; laid in two layers on sand blinded hardcore bed surfaces	M2	315.00		
B	Hessian based bitumen damp proof course to BS 743 type 5A 230mm wide laid horizontally on blockwork	M	179.00		
7	**CONCRETE WORK:**				
	Plain insitu concrete grade '15'				
A	50mm Thick blinding	M2	169.05		
	Plain insitu concrete grade '20'				
	Reinforced insitu concrete grade '25'; vibrated; including vibrating around reinforcements:				
A	100mm thick suspended slab	M2	333.90		
B	Foundations footing	M3	16.80		
C	Column bases	M3	44.10		
D	Ground beams	M3	14.70		
E	Columns	M3	1.89		
8	**REINFORCEMENTS:**				
I	**High tensile steel bar reinforcements with a strength of 500N/mm2 to BS 4449:1969: including bends, hooks, tying wire, ordinary spacers and distance blocks:**				
A	08mm Diameter	Kg	200.55		
B	12mm Diameter	Kg	343.35		
C	16mm Diameter bars	Kg	1,543.50		
II	**Fabric Wiremesh**				
A	Fabric mesh reinforcements to BS 4483 ref A.393 R8-200mm both directions laid in concrete bed	m2	1,306.62		
9	**Formwork:**				
	Vertical or battering surfaces				
A	Vertical sides of column bases	M2	116.55		
B	Vertical sides of strip foundation in trenches	M2	47.25		
C	Vertical sides of columns	M2	39.32		
D	Vertical sides of ground beam	M2	119.70		
E	Edges of bed over 75mm but not exceeding	M	89.25		

	150mm wide				
11	**FINISHINGS**				
	Render; cement and sand (1:3); trowelled				
A	12mm thick; to plinth; to concrete or block work base	M2	53.55		
10	**WALLING**				
	Solid concrete blocks to BS 6073 Type 'A' dense aggregate, average compressive strength 7N/sq mm; in cement mortar				
A	230mm Wall	M2	186.90		
12	**Prepare and apply three coats of black bituminous paint on:**				
A	Rendered surfaces to plinth	M2	53.55		
ELEMENT No.2	**FRAMES**				
	CONCRETE WORKS:				
II	**Reinforced insitu concrete grade ‘25’ including vibrating around reinforcements.**				
A	Columns	M3	6.30		
B	Suspended Beams/Horizontal Beams	M3	25.20		
C	150mm thick slab	M2	309.75		
D	Steps (Grade 15)	M3	3.00		
E	Ramps	M3	1.10		
2	**REINFORCEMENTS;**				
	High tensile steel bar reinforcements with a strength of 500N/mm2 to BS 4449:1969: including bends, hooks, tying wire, spacers and distance blocks.				
A	8mm Diameter	Kg	24.15		
C	12 mm Diameter	Kg	414.75		
D	16mm Diameter	Kg	1,183.35		
3	**Formworks**				
	Wrought formwork to:				
A	Vertical sides of columns	M2	111.30		
B	Vertical sides of suspended beam	M2	276.15		
C	Sides and soffits of horizontal beams and slab;	M2	309.75		
D	Edges of bed over 75mm but not exceeding 150mm wide	M	85.05		
ELEMENT No.3	**STAIRS AND RAMPS**				
1	**CONCRETE WORKS**				
	Reinforced insitu concrete grade ‘25’ including vibrating around reinforcements-Stairs				
A	150mm Thick landing	M3	4.20		
B	Horizontal landing beams	M3	0.29		
C	Stairs and Weist	M3	1.89		
2	**REINFORCEMENTS**				
	High tensile reinforcement steel bars to B.S 4461:1969 including bends, hooks, tying wire, spacers and distance blocks.				
A	12mm Diameter	Kg	395.00		

3	**FORMWORKS**				
	Marine Board formwork to:				
A	Horizontal soffits of stair (sloping soffits of stairs)	M2	9.45		
B	Horizontal soffits of landing	M2	4.20		
C	Sides and soffits of landing beams	M2	1.79		
D	Edges of landing over not exceeding 150mm high	M	2.94		
E	Strings of stair	M2	1.79		
4	**Balustrade**				
A	STAINLESS STEEL BALUSTRADE Provide all materials, fabricate and fix stainless steelbalustrade system 1200mm high comprising of 50x4mm thick stainless steel hollow tubular uprights spaced at 900mm centres welded to and including stainless steel plate and associated bolts and nuts; including 50x4mm thick stainless steel handrail, 16mm stainless steel vertical bars 250mm c/c and 50x4mm thick intermidiate rails as per detail drawing	M	7.14		
ELEMENT NO.4	**WALLING.**				
1	**BLOCKWORK:**				
I	**Solid concrete blocks to BS 6073 Type 'A' dense aggregate, average compressive strength 7N/sq mm; in cement mortar:**				
B	230mm. Walls.	M2	279.30		
C	150mm. Walls.	M2	77.70		
D	100mm. Walls.	M2	11.55		
III	**Precast concrete: Precast concrete grade 25 finished fair on all exposed faces including hoisting into position; bedding; jointing and pointing as necessary in cement and sand (1:3) mortar:**				
A	150mmx 75mm Cill weathered, throated and finished fair all round	m	51.45		
ELEMENT No.6	**DOORS:**				
5	**OTHER DOORS**				
A	MAluminium doors Supply and fix composite door units comprising of 6mm thick clear glass on top and laminated MDF board on bottom panels on natural anodised aluminium framing including all accessories and ironmongery, cutting and pinning lugs and fixing frame to existing wall openings Composite double door size 2770 x 2850mm high overall comprising of four shutters divided into two panels, two fixed and two openable complete with all iron mongeries,	No	1.00		
B	Ditto; Size 1770 x 2850mm high overall , double leaf	No	1.00		
C	Metal grille Supply and fix mild steel grilles doors comprising of 25x25mm square hollow section mild steel frame, 20x3mm	No	1.00		

	thick flat bars welded together to pattern including all necessary additional materials, iron mongeries, grinding, polishing, priming with red oxide and painting all welded conditions to smooth surfaces welded to metal rods fixed in the wall as per Architect's drawing Size 2770 x 2850mm high				
D	Ditto; Size 1770 x 2850mm high	No	1.00		
A	Panelled doors; Hardwood (Mninga/Mkongo) selected; comprised of 44 x 125mm stiles, top and intermediate rails; 44 x 180mm bottom rails; all once grooved; open panels infilled with 38mm thick moulded hardwood panel ; tounged and grooved; including all planted mouldings Ditto; Double leafed doors Size 1800 x 2400mm high; Ref Door schedule D1	No	1.00		
B	Ditto; Size 1500 x 2400mm high; Ref Door schedule D2	No	1.00		
C	Ditto; Size 1770 x 2400mm high; Ref Door schedule D3	null	2.00		
D	Ditto; Single leafed doors Size 1000 x 2250mm high; Ref Door schedule D4	No	1.00		
E	Ditto; Size 900 x 2250mm high; Ref Door schedule D5	No	11.00		
F	Ditto; Size 910 x 2250mm high; Ref Door schedule D6	No	1.00		
G	Ditto; Size 710 x 2250mm high; Ref Door schedule D7	No	12.00		
H	Frames and finishings 45 x 145mm Frame with one labours, fixed to ground	No	205.16		
I	Ditto; 45 x 145mm Transome	M	31.17		
J	13 x 15mm Glazing beads	M	68.62		
K	20 x 50mm Moulded architrave	M	205.16		
L	Sawn hardwood third grade 25 x 100mm Grounds, plugged	M	205.16		
6	**IRON MONGERY**				
	Supply and fix the following ironmongery; HAFELE/UNION or other equal and approved; to hardwood with matching screws.				
A	Three lever cylinder mortice lock Hafele Latchbolt "Satin chrome plated reversible" art no.911.50.788 complete with handle	No	6.00		
B	Two lever cylinder mortice lock Hafele Latchbolt "Satin chrome plated reversible" art no.911.50.788	No	23.00		
C	Pairs of Butt Hinge 4"x3"x3mm SSS stainless steel satin	Prs	17.92		
D	Half Cylinder mortice lock with thumbturn stainless steel satin	No	29.00		
E	Half moon satin finish stainless steel door	No	29.00		

	stopper cat no.937.52.070				
F	Flush bolts	No	29.00		
G	Door closer	No	29.00		
H	GLAZING 6mm Thick O.Q Clear sheet glass glazed with hardwood beads (m/s) Panes over 0.1 not exceed 0.5 square metres	M2	12.81		
A	Finishing to Doors Prepare and apply three coats of Polyurethane clear varnish General wood surfaces	M2	136.75		
B	Ditto; over 100 not exceeding 200mm girths	M2	715.28		
ELEMENT No.7	**WINDOWS**				
1	**HEAVY DUTY ALUMINIUM ALLOY WINDOWS-DOUBLE GLAZING**				
I	**"105mm sliding window system Ex-UAE with fly mesh and 2 sliding glass panels to be fabricated and installed by an approved aluminium fabricator. All extruded aluminium provided shall be grade 6063 T6 and shall be extruded to BSEN12020. Powder Coating should be of 50 Micron minimum thickness applied in accordance with either BS6496 or BSEN 12206. Appropriate fasteners to be used to secure the windows to the openings. All assembly screws and fixings shall be grade A2 or A4 austenitic stainless steel (class 70). All Extruded Gaskets and weather seals shall be EPDM. All joints to be silicone sealed and watertight. Rollers should be suitable for the weight of the shutter and should be of a type with bearings. The system should be designed to drain water to the outside. Infill Glass to be Double Glazing Unit (DGU) comprising of 6mm thick Tempered Solar Control Glass +10mm Dry Air Spacer + 6.38mm Laminated Glass, All DGU will be sealed using a structural grade. The edges of the DGU shall incorporate aluminium channel sections to enable the units to be mechanically secured to the curtain wall frame. DGU shall have the following performance – Light Transmission (LT) 30-60%, U-Value <= 2.2, Solar Factor (SF) <0.39, Solar Heat Gain Co-efficient (SHGC) < 0.39. Full set of shop drawings and structural calculations to be submitted for approval before production. As per Architect's Instruction and Aproval"**				
A	ALUMINIUM WINDOWS Supply and fix composite window unit comprising of 6mm thick one way reflective glass panes on natural anodised aluminium framing, sliding or hinged and fixed casement including all accessories and ironmongery, cutting and pinning lugs and bedding frame in cement mortar and sealing surrounds with approved mastic to approved manufacturer's specification and as per architect drawings Window size 2000 x2100mm high (W1)	No	13.00		
B	Window size 1770 x2100mm high (W2)	No	2.00		
C	Window size 1200 x2100mm high (W2)	No	4.00		
D	Window size 2150 x1350mm high	No	4.00		
3	**Mild Steel Metal grill unit comprising of 25 x 25mm mild steel hollow section framing and 25 x 3mm thick flat bars welded together to pattern to be approved by the project manager, including all necessary material, grinding and polishing all welded connections to a smooth finish (Provisional)**				
A	Supply and fix mild steel grilles windows comprising of 25x25mm square hollow section mild steel frame, 20x3mm thick flat bars welded together to pattern including all necessary additional materials, iron mongeries, grinding, polishing, priming with red oxide and painting all welded conditions to smooth surfaces welded to metal rods fixed in the wall as per	No	13.00		

	Architect's drawing Window size 2000 x2100mm high				
B	Window size 1770 x2100mm high	No	2.00		
C	Window size 1200 x2100mm high	No	4.00		
D	Window size 2150 x1350mm high	No	4.00		
ELEMENT No.8	**PLUMBING AND ENGINEERING INSTALLATIONS**				
1	**SANITARY APPLIANCES**				
i	**Supply and fix the following sanitary appliances including all connections and fixing to FLOORS or WALLS as necessary, reference Make or equal as approved by services Engineers.**				
A	WC suites, white glazed vitreous china; low level; nine litre white glazed vitreous china cistern, cover and brackets; ball valves,flush pipe; plastic seat and cover; operating handle and connecting to soil and vent pipe.	No	2.00		
2	WC suites, white glazed vitreous china; squarter high level; nine litre white glazed vitreous china cistern, brackets; ball valves, flush pipe; operating handle and connecting to soil and vent pipe.	No	2.00		
C	Hand wash basin, with single tap hole, white glazed vitreous china; complete with cold water tap, fixing brackets with screws to backgrounds requiring plugging; bedding waste in white lead.	No	4.00		
D	Disabled WC suites, white glazed vitreous china; nine litre white glazed vitreous china cistern, cover and brackets; ball valves,flush pipe; syphon, overflow outlet, operating handle, wall hanger and connect to soil and vent pipe.	No	1.00		
E	Urinal , while glazed vitreous china; five litre white glazed vitreous china cistern, cover and brackets; ball valves, flush pipe; operating handle and connecting to soil and vent pipe.	No	2.00		
F	Accessories Toilet roll holder; Cat, No T9003028	No	5.00		
G	6mm silver Mirror, lead backed, size 850 x 600mm with arise edges fixed to wall with mirror screws.	No	4.00		
H	Hand Spray	No	5.00		
I	Supply and install chromium plated shower rose with 15mm diameter supply pipe and mixer valve. Shower tray 760 x 760 x 150 mm, white glazed fireclay.	No	1.00		
J	Supply and install water heaters with capacity 15Litres complete with all associated	No	1.00		
K	Supply and install Soap Dispenser	No	3.00		
L	Supply and install shattaf hose	No	12.00		
M	PORTABLE FIRE EXTINGUISHERS Supply and install 9kg carbon dioxide portable fire extinguishers	No	2.00		

2	**COLD WATER INSTALLATIONS DISTRIBUTION PIPES**				
3	**SUPPLY PIPES**				
A	Allow connection of water supply pipe (25mm) PVC pipe from the public water supply system to the ground water storage tank including excavations, backfilling and disposal.	M	1.00		
B	Water Storage Tanks Supply and install elevated water storage tank,type "SIMTANK", with storage capacity 3,000L.complete with all accessories for hoisting to position	No	1.00		
C	Supply and install ground water storage tank, type"SIMTANK", with storage capacity 5,000Lcomplete with accessories for hoisting to position	No	1.00		
D	Allow for supply and install ball valve, gate valve and return valve to the ground and elevated tanks.	No	1.00		
E	Allow for overflow and vent pipe to ground and elevated tanks diameter 40mm.	No	8.00		
F	Supply and lay 25mm diameter PVC pipe from ground water storage to elevated tank including supports and fixtures.	M	16.00		
G	Water Distribution system; Dizayn PPR 80 green pipes and fittings to BS 1387. Supply and install 40mm diameter water supply pipe including fittings and accessories (elbows,tees, connectors, bends etc)	M	25.00		
H	Supply and install 25mm diameter water supply pipe including fittings and accessories (elbows,tees, connectors, bends etc)	M	22.00		
I	Supply and install 20mm diameter water supply pipe including fittings and accessories (elbows,tees, connectors, bends etc)	M	24.00		
J	Supply and install 15mm flexible pipe connectors to wash hand basin (WHB), Water closet (WCs), and kitchen sink.	No	4.00		
K	Supply and fix 15mm diameter corner valves with hand wheel, polished by manufacturer.	No	17.00		
L	Supply and fix 25mm diameter stop valves with hand wheel, polished by manufacturer.	No	4.00		
M	Supply, install, test and commissioning water transfer pumps with capacity 3cu.m per hour- 12mWG as type Grundfos or similar, including starter, timer, control panel, float switch, dry running protection , float valve, and other necessary accessories.	No	1.00		
4	**Ancillaries:**				
5	**WASTE AND VENT PIPES:**				
	UPVC pipes;Class ‘B’; including fittings in running length.				

A	Supply and install 110mm diameter pipe (uPVC) for foulwater including fittings and standard holderbats fixing to wall or slab requiring plugging.	M	16.00		
B	Supply and install 50mm diameter pipe (uPVC) for foulwater including fittings and standard holderbats fixing to wall or slab requiring plugging.	M	12.00		
C	Supply and install 40mm diameter pipe (uPVC) for waste water including fittings and standard holderbats fixing to wall or slab requiring plugging	M	20.00		
D	Allow for elbows, bends connector traps etc to suit the above installation	Item	1.00		
E	Supply and install vent cowl of 110mm diameter	Nr	2.00		
8	**BUILDER'S WORK IN CONNECTIONS WITH PLUMBING AND ENGENEERING INSTALLATIONS (PROVISIONAL)**				
9	**SUNDRIES-(PLUMBING)**				
6	**FOUL WATER DRAINAGE**				
i	**EXCAVATION**				
A	Excavate trench not exceeding 0.6m deep and average 500mm width and lay sewerage pipes not exceeding 80mm diameter from sanitary fittings or gully traps to manholes.	M	10.00		
B	Excavate trench not exceeding 0.6m deep and average 500mm width and lay sewerage pipes not exceeding 110mm diameter from sanitary fittings or stack pipes to manholes.	M	18.00		
C	Excavate trench not exceeding 1.0m deep and average 500mm width and lay sewerage pipes not exceeding 110mm diameter from manhole to manholes including backfilling	M	42.00		
ii	**GULLY TRAPS**				
A	Allow for gully trap, size 250 x 250mm	No	3.00		
iii	**MANHOLE**				
A	Allow for construction of foulwater manhole of internal dimensions 600 x600mm depth to invert level not exceeding 750mm comprising 200mm plain concrete grade "C" bend 230mm blockwall plastered internally, 100mm concrete cover slab reinforced with and including BRC mesh reinforcement 200mm average concrete benching plastered and including medium frame.	No	8.00		
iv	**SEPTIC TANK**				
A	Allow for construction of septic tank of internal dimensions 4500mm length, 1500mm width and 1600mm depth comprising 200mm plain concrete grade "C" bend 230mm blockwall plastered internally, 100mm concrete cover slab reinforced with and including BRC mesh	No	1.00		

	reinforcement 200mm average concrete bending plastered and including medium frame.				
v	**SOAK AWAY PIT**				
A	Allow for construction of soakpit of internal dimensions 3500mm diameter and 3000mm depth comprising 200mm plain concrete grade "C" 230mm blockwall plastered internally, 100mm concrete cover slab reinforced with and including BRC mesh reinforcement 200mm average concrete benching plastered and including medium frame.	No	1.00		
ELEMENT No. 14	**FINISHING**				
a)	**INTERNAL FINISHINGS**				
i)	**Floor finish: (Tiles, slab or block finishings)**				
a)	**Porcelain Tiles**				
A	Porcelain tiles ex- Italy with cushion edges fixed to screed with approved adhesives and pointed with coloured grout 10mm Tiling to floors	M2	289.80		
B	10mm To Landings	M2	4.10		
C	10mm Skirting 100mm high with rounded edge and coved junction with paving	M2	194.25		
D	10mm Treads, 300mm wide with non-slip material on top	M	30.03		
E	10mm Risers 150mm wide with rounded nosing and coved junction with treads	M	30.03		
b)	**Beds and Backing**				
A	30mm Backing to receive floor tiles	M2	302.90		
ii)	**Wall finish:**				
a)	**Internal Plastering**				
A	15mm To walls, beams, columns and the like; to concrete or block work base; Internal plastering in two coats, first coat 12mm thick cement and sand mix (1:3) steel trowelled;prepare and apply second coat 3mm thick stucco steel trowelled to smooth finish,includding sanding with sand paper. 15mm To Walls	M2	234.15		
B	15mm To soffits of landing	M2	4.20		
C	15mm To strings	M2	1.79		
D	15mm To soffit of slab	M2	289.80		
E	15mm To sides and soffits of beams	M2	277.94		
F	15mm To sloping soffits of stairs	M2	9.45		
b)	**Wall Tiles or Tanga Stones/Slates**				
A	Glazed ceramic wall tiles with cushion edges to Bs 1281 fixed to backings with adhesive and pointing with white cement 10mm Tiling to walls	M2	87.15		

B	Cut and fit around small pipes, bars and the like	Item	1.00		
c)	**Beds and backings**				
A	12mm Backing to receive wall tiles	M2	91.65		
b)	**EXTERNAL FINISHINGS**				
i)	**Floor finish: (Tiles, slab or block finishings).**				
ii)	**Wall finish**				
a)	**External Plastering**				
A	15mm To walls; to concrete or block work base; External plastering in two coats, first coat 12mm thick cement and sand mix (1:3) steel trowelled;prepare and apply second coat 3mm thick stucco steel trowelled to smooth finish,includding sanding with sand paper. 15mm To walls	M2	134.40		
ELEMENT No. 15	**PAINTING AND DECORATING**				
a)	**INTERNAL WORK:**				
i)	**Painting and Decorations**				
A	To plastered walls	M2	234.15		
B	To plastered soffits of landing	M2	4.20		
C	To plastered sides of strings	M2	1.79		
D	To plastered ceilings To plastered soffits of slab	M2	289.80		
E	To plastered sides and soffits of beams	M2	277.94		
F	To plastered sloping soffits of stairs	M2	9.45		
iii)	**Varnish and the Like**				
b)	**EXTERNAL WORK:**				
i)	**External Painting**				
A	Prepare and apply one undercoat and two full coats of weather guard paint on: walls and cills.	M2	134.40		
ii)	**Gloss/ Oil Painting**				
PART C: OFFICE BUILDING ICT AND PA INSTALLATION					
BILL No 3	**MEASURED WORKS**				
ELEMENT No. 13	**ICT INSTALLATION**				
a)	**Supply, install, test and commision the following: to the satisfaction of engineers**				
i)	**EQUIPMENT**				
A	CABINET 22U SERVER RACK	PC	1.00		
B	ROUTER	PC	1.00		
C	NETWORK SWITCH 48 PORTS	PC	2.00		
D	WIRELESS ACCESS POINT	PC	4.00		
E	PATCH PANEL 48 PORTS	PC	2.00		
F	CABLE MANAGER	PC	2.00		

G	PATCH CODE 1M	PC	96.00		
H	DROP CABLE 3M	PC	96.00		
I	POWER DISTRIBUTION UNIT (PDU)	PC	2.00		
J	UTP CABLE CAT6	ROLL	6.00		
K	EXTENSION CABLE	PC	2.00		
L	FACE PLATE DOULBLE	PC	46.00		
M	MODULES KEYSTONE CAT6	PC	96.00		
PART B: SINGIDA MODERN ONION MARKET - PLUMBING AND INSTALLATION					
BILL No 3	**MEASURED WORKS**				
ELEMENT No.8	**PLUMBING AND ENGINEERING INSTALLATIONS**				
1	**SANITARY APPLIANCES**				
i	**Supply and fix the following sanitary appliances including all connections and fixing to FLOORS or WALLS as necessary, reference Make or equal as approved by services Engineers.**				
A	TO GROUND FLOOR; White vitreous Floor Standing Rimless WC Pan complete with Duplo WC Freestanding Cistern, Dual Flash actuator, Seat & Cover, bottom inlet valve and all other associated accessories	No	5.00		
B	Disabled toilet complete with Raised height WC Pan 750mm projection, Seat and top fixing hinges and retaining buffers, Water saving cistern with spatula lever, Handrinse wash basin 370mm, mixer tap with copper tails, Grab Rail straight 600mm long x 4, Grab Rail Straight 450mm long, Drop Down Grab Rail, Shower seat, Rinsing Spray, Hinged support with Toilet Roll Holder.	No	1.00		
C	White vitreous wall hung washbasin, single central taphole, Complete with overflow, Tubular Type Siphon Waste, Stop Angel Valve, basin mixer with non return valves, pop up waste, plastic bottle trap with 75mm seal and all associated accessories	NO	1.00		
D	White vitreous under-counter washbasin, single central taphole, Complete with overflow, Tubular Type Siphon Waste, Stop Angel Valve, basin mixer with non return valves, pop up waste, plastic bottle trap with 75mm seal and all associated accessories	NO	6.00		
E	White vitreous china wall urinal CAT. No S 6100 (261129E), top inlet spreader (S6285 - 74344A1), concealed steel hangers (S8850 - 90568N0), 40mm plastic domed waste (S8915 - 70238Q4), 40mm plastic bottle trap with 75mm seal, (S6120-260600) division with hanger and screw and 9 litres automatic flushing cistern	NO	3.00		
F	Plastic Clean out (floor trap) including rodding eyes, necessary fittings and accessories, complete, press method, depth 24 mm and slip-in to 50 mm PVC piping, overall size to be Square type 150mmx150mm, bright finish. The drain	No	9.00		

	will be complete with cover while the cover in clean out to be screwed via two star type screws.				
G	Toilet paper holder; Stainless Steel as to RAK or equal approved fixing with brass screws to backgrounds plugging.	NO	6.00		
H	Shattaf; ABS chrome with supreme hose and wall holder as to RAK or equal approved fixing with brass screws to backgrounds plugging	NO	6.00		
I	TRONIC Automatic Hand drier	NO	3.00		
J	Rob Hooks	NO	6.00		
K	Jofel Paper Towel Holder	NO	3.00		
L	Mirror, special quality plate glass size 900 x 600 x 6mm thick with alkali resistant coating one side, fixing with domex screws to background requiring plugging	NO	7.00		
M	Soap dispenser lockable with refillable one litre reservoir ref. Jofel to Architect's approval	NO	3.00		
A	TO FIRST FLOOR; Sanitary Appliances Supply and fix the following Sanitary Appliances (RAK references or as otherwise specified) including all accessories, connections and fixing to floor or wall where necessary White vitreous Floor Standing Rimless WC Pan complete with Duplo WC Freestanding Cistern, Dual Flash actuator, Seat & Cover, bottom inlet valve and all other associated accessories	NO	2.00		
B	White vitreous wall hung washbasin, single central taphole, Complete with overflow, Tubular Type Siphon Waste, Stop Angel Valve, basin mixer with non return valves, pop up waste, plastic bottle trap with 75mm seal and all associated accessories	NO	3.00		
C	White vitreous china wall urinal CAT. No S 6100 (261129E), top inlet spreader (S6285 - 74344A1), concealed steel hangers (S8850 - 90568N0), 40mm plastic domed waste (S8915 - 70238Q4), 40mm plastic bottle trap with 75mm seal, (S6120-260600) division with hanger and screw and 9 litres automatic flushing cistern	NO	1.00		
D	Plastic Clean out (floor trap) including rodding eyes, necessary fittings and accessories, complete, press method, depth 24 mm and slip-in to 50 mm PVC piping, overall size to be Square type 150mmx150mm, bright finish. The drain will be complete with cover while the cover in clean out to be screwed via two star type screws.	NO	3.00		
E	Toilet paper holder; Stainless Steel as to RAK or equal approved fixing with brass screws to backgrounds plugging.	NO	2.00		

F	Shattaf; ABS chrome with supreme hose and wall holder as to RAK or equal approved fixing with brass screws to backgrounds plugging	NO	2.00		
G	TRONIC Automatic Hand drier	NO	2.00		
H	Rob Hooks	NO	2.00		
I	Jofel Paper Towel Holder	NO	2.00		
J	Mirror, special quality plate glass size 900 x 600 x 6mm thick with alkali resistant coating one side, fixing with domex screws to background requiring plugging	NO	3.00		
K	Soap dispenser lockable with refillable one litre reservoir ref. Jofel to Architect's approval	NO	2.00		
A	FOOD VENDOR AREA : PLUMBING INSTALLATIONS Sanitary Appliances Supply and fix the following Sanitary Appliances (RAK references or as otherwise specified) including all accessories, connections and fixing to floor or wall where necessary Stainless Steel Sink Single Bowl, with no drainer , complete with 12mm chromium plated easy clean head pillar tap, chain and plastic plug, 38mm chromium plated waste fitting and all associated accessories	NO	20.00		
B	WATER RETICULATION Excavate pipe trench not exceeding 1.50 metres total depth average 1.00 metre deep for pipe not exceeding 150mm diameter.	M	70.00		
C	HDPE pipes Class 'C' to BS 4991:1974 Serie 2 and fittings to DIN 16962 Parts 5/6/7/8/9/12 65mm Pipe	M	20.00		
D	Ditto; 90 degree Bend	NO	4.00		
E	Ditto; Union	No	5.00		
2	**COLD WATER INSTALLATIONS DISTRIBUTION PIPES**				
3	**SUPPLY PIPES**				
A	GROUND FLOOR; Cold/Hot Water Installation Supply, install, test and commission PPR pipe (DIZAYN GROUP) and tubing class "6" with PN10 to BS 4554 with 25mm thick self adhesive armaflex insulation screwed and socketed joints to BS 143 and 126 of approved manufacture. Pressure pipe work, installed, jointed and tested complete as per BS standards with pipe fittings, bends, accessories, supports, hangers using clamps with rubber inlay, threaded rods, galvanized steel channels, sleeves, pipe marking, expansion joints, including earthwork, backfill, concrete encasement, all as specified and shown on drawings, ∅25mm Pipe	M	9.00		
B	Ditto; 90deg Bend	NO	10.00		
C	Ditto; Equal tee	NO	5.00		

D	Ditto; Reducer 25/20	NO	8.00		
E	∅20mm Pipe	M	17.00		
F	Ditto; 90deg Bend	NO	12.00		
G	Ditto; Equal tee	NO	12.00		
H	Ditto; Female Socket 20/15	NO	6.00		
I	Ditto; Female Thread Elbow 20/15	NO	16.00		
J	15mm Heavy duty flexible pipe tail; 300mm long and connection to fitting and supply	NO	14.00		
A	FIRST FLOO; Cold/Hot Water Installation Supply, install, test and commission PPR pipe (DIZAYN GROUP) and tubing class "6" with PN10 to BS 4554 with 25mm thick self adhesive armaflex insulation screwed and socketed joints to BS 143 and 126 of approved manufacture. Pressure pipe work, installed, jointed and tested complete as per BS standards with pipe fittings, bends, accessories, supports, hangers using clamps with rubber inlay, threaded rods, galvanized steel channels, sleeves, pipe marking, expansion joints, including earthwork, backfill, concrete encasement, all as specified and shown on drawings, ∅20mm Pipe	M	11.00		
B	Ditto; 90deg Bend	NO	6.00		
C	Ditto; Equal tee	NO	3.00		
D	Ditto; Female Socket 20/15	NO	2.00		
E	Ditto; Female Thread Elbow 20/15	NO	6.00		
F	15mm Heavy duty flexible pipe tail; 300mm long and connection to fitting and supply	NO	5.00		
A	FOOD VENDER; Cold/Hot Water Installation Supply, install, test and commission PPR pipe (DIZAYN GROUP) and tubing class "6" with PN10 to BS 4554 with 25mm thick self adhesive armaflex insulation screwed and socketed joints to BS 143 and 126 of approved manufacture. Pressure pipe work, installed, jointed and tested complete as per BS standards with pipe fittings, bends, accessories, supports, hangers using clamps with rubber inlay, threaded rods, galvanized steel channels, sleeves, pipe marking, expansion joints, including earthwork, backfill, concrete encasement, all as specified and shown on drawings, ∅40mm Pipe	M	35.00		
B	Ditto; Bend	NO	4.00		
C	Ditto; Equal Tee	NO	6.00		
D	Ditto; Reducer 40/32	NO	2.00		
E	Ditto; Reducer 40/25	NO	1.00		
F	Ditoo; Reducer 40/20	NO	3.00		
H	Ditto; Socket	NO	16.00		

I	∅32mm Pipe	M	14.00		
J	Ditto; Equal Tee	NO	2.00		
K	Ditto; Reducer 32/25	NO	3.00		
L	Ditto; Socket	NO	5.00		
M	∅25mm Pipe	M	60.00		
N	Ditto; 90deg Bend	NO	6.00		
O	Ditto; Equal tee	NO	12.00		
P	Ditto; Reducer 25/20	NO	15.00		
Q	Ditto; Socket	NO	25.00		
R	∅20mm Pipe	M	36.00		
S	Ditto; 90deg Bend	NO	36.00		
T	Ditto; Female Thread Elbow 20/15	NO	20.00		
U	Ditto; 15mm Heavy duty flexible pipe tail; 300mm long and connection to fitting and supply	NO	20.00		
A	Water Supply Connection Allow for connection from public water supply main pipe to ground water storage tank, including supply pipe, water meter, valves and other associated fittings.	Item	1.00		
B	Pressure Pumps Supply, install, test and commision Cold Water Pressure Boosting Pump (Stand by & Duty) as manufactured by GRUNDFOS or equal approved complete with Control Panel with Variable Speed Drive, float switch, dry running protection, isolation valves and all other necessary accessories 10CMH - 35M Head	NO	1.00		
A	Supply, install, test and commission PPR pipe (DIZAYN GROUP) and tubing class "6" with PN10 to BS 4554 with 25mm thick self adhesive armaflex insulation screwed and socketed joints to BS 143 and 126 of approved manufacture. ∅32mm Pipe	M	50.00		
B	Ditto; 90deg Bend	NO	8.00		
C	Ditto; Equal Tee	NO	1.00		
D	Ditto; Socket	NO	12.00		
A	ROOF FLOOR: PLUMBING INSTALLATIONS Cold/Hot Water Installation Supply, install, test and commission PPR pipe (DIZAYN GROUP) and tubing class "6" with PN10 to BS 4554 with 25mm thick self adhesive armaflex insulation screwed and socketed joints to BS 143 and 126 of approved manufacture. Pressure pipe work, installed, jointed and tested complete as per BS standards with pipe fittings, bends, accessories, supports, hangers using clamps with rubber inlay, threaded rods, galvanized steel channels, sleeves, pipe marking, expansion joints, including earthwork, backfill, concrete	M	25.00		

	encasement, all as specified and shown on drawings, ∅40mm Pipe				
B	Ditto; Bend	NO	2.00		
C	Ditto; Equal Tee	NO	3.00		
D	Ditto; Reducer 40/32	NO	4.00		
E	Ditto; Socket	NO	8.00		
F	∅32mm Pipe	M	40.00		
G	Ditto; 90deg Bend	NO	14.00		
H	Ditto; Equal Tee	NO	4.00		
I	Ditto; Reducer 32/20	NO	5.00		
J	Ditto; Reducer 32/25	NO	2.00		
K	Ditto; Socket	NO	10.00		
A	RAIN WATER DRAINAGE & HARVEST INSTALLATION Note: Rainwater pipe should be uPVC white colour Supply, install, test and commission 110 mm diameter uPVC down pipe PN6, complete with fittings and fixtures (Vertical pipework)	M	60.00		
B	Supply, install, test and commission 100 mm diameter Fulbora outlet, including all accessories for the system to work properly.	PCS	8.00		
C	Allow PC sum for connection of storm water to nearest rain water drainage channel	NO	1.00		
D	Pipework 100mm Pipe in Trench	M	53.00		
E	∅150mm Pipe	M	50.00		
F	Ditto; Bend 45	NO	10.00		
G	Ditto; Y junction	NO	2.00		
H	Ditto; Bend with Inspection door	NO	2.00		
I	Ditto; ∅150mm Socket	NO	5.00		
J	Allow for Construction of rain water manholes of internal dimension 600x600mm ,300mm deep for connecting Rainwater pipes to underground water tanks as per specification and drawings including heavy duty cast iron cover .	NO	5.00		
K	Allow for Construction of rain water manholes for sand trapping of internal dimension 600x600mm with invert level not exceeding 1000mm comprising 200mm plain concrete grade "C" bed 230mm block wall plastered internally as per specification and drawings including heavy duty cast iron cover .	NO	1.00		
A	Sorting Area Cold/Hot Water Installation Supply, install, test and commission PPR pipe (DIZAYN GROUP) and tubing class "6" with PN10 to BS 4554 with 25mm thick self adhesive armaflex insulation screwed and socketed joints to BS 143 and 126 of	M	10.00		

	approved manufacture. Pressure pipe work, installed, jointed and tested complete as per BS standards with pipe fittings, bends, accessories, supports, hangers using clamps with rubber inlay, threaded rods, galvanized steel channels, sleeves, pipe marking, expansion joints, including earthwork, backfill, concrete encasement, all as specified and shown on drawings, ∅50mm Pipe				
B	Ditto; Bend	NO	6.00		
C	Ditto; Equal Tee	NO	1.00		
D	Ditto; Reducer 50/40	NO	1.00		
E	Ditto; Reducer 50/32	NO	1.00		
F	Ditto; Socket	NO	5.00		
G	∅32mm Pipe	M	14.00		
H	Ditto; Bend	NO	1.00		
I	Ditto; Equal Tee	NO	1.00		
J	Ditto; Reducer 32/25	NO	2.00		
K	Ditto; Socket	NO	15.00		
L	∅25mm Pipe	M	235.00		
M	Ditto; 90deg Bend	NO	4.00		
N	Ditto; Equal tee	NO	6.00		
O	Ditto; Reducer 25/20	NO	8.00		
P	Ditto; Socket	M	50.00		
R	∅20mm Pipe	M	24.00		
S	Ditto; 90deg Bend	NO	24.00		
A	Allow for supply, install, test and commission of float switches and asociated accessories for above installations	Set	1.00		
B	Supply and install 10,000 litres capacity Elevated water tanks (Simtank), including fixing inlet supply pipe, overflow pipe, wash out pipe, ball valve box with standard top acess and connection to water supply pipe as per drawing.	Item	1.00		
C	Pressure Pumps Supply, install, test and commision Cold Water Pressure Boosting Pump) as manufactured by GRUNDFOS or equal approved complete with Control Panel with Variable Speed Drive, float switch, dry running protection, isolation valves and all other necessary accessories 8CMH - 75M Head	NO	1.00		
D	∅20mm; Female Thread Elbow 20/15	NO	8.00		
4	**Ancillaries:**				
A	GROUND FLOOR; ∅25mm Brass stop Valve with Screwed	No	2.00		

	connection to PE pipe				
B	∅20mm Brass stop Valve with Screwed connection to PE pipe	NO	2.00		
A	FIRST FLOOR; ∅20mm Brass stop Valve with Screwed connection to PE pipe	NO	3.00		
D	FOOD VENDOR; Ancilliaries ∅40mm Brass stop Valve with Screwed connection to PE pipe	NO	2.00		
E	∅25mm Brass stop Valve with Screwed connection to PE pipe	NO	1.00		
F	∅20mm Brass stop Valve with Screwed connection to PE pipe	NO	20.00		
G	∅50mm Brass stop Valve with Screwed connection to PE pipe	NO	1.00		
H	∅20mm Brass stop Valve with Screwed connection to PE pipe	NO	8.00		
I	SANWA water taps 15mm or its equivalent to all toilet to be approved by the Client	NO	8.00		
J	∅65mm Y Strainer	NO	1.00		
K	∅65mm Brass Stop Valve with Screwed connection to HDPE Pipe	NO	1.00		
L	∅32mm Brass stop Valve with Screwed connection to PE pipe	NO	2.00		
A	ROOF FLOOR Ancilliaries ∅40mm Brass stop Valve with Screwed connection to PE pipe	NO	3.00		
B	Storage Tanks Allow for supply, install, test and commission of float switches and asociated accessories for above installations	Set	1.00		
C	Supply and install 5,000 litres capacity Roof water tanks (Simtank), including fixing inlet supply pipe, overflow pipe, wash out pipe, ball valve box with standard top acess and connection to water supply pipe as per drawing.	ITEM	3.00		
5	**WASTE AND VENT PIPES:**				
	UPVC pipes;Class 'B'; including fittings in running length.				
A	Supply and instal uPVC pipes of class 'B' to BS Standards and fittings in running length as follows Include for the complete installation as detailed in the specifications and on the Drawings and to the complete satisfaction and approval of the Engineer and all concerned Statutory Authorities and under the Mechanical Engineering Installations, complete; ∅100mm Pipe	M	35.00		

B	Ditto: Bend 45	NO	20.00		
C	Ditto; Y junction	NO	5.00		
D	Ditto; Bend with Inspection door	NO	5.00		
E	Ditto; ∅100mm Socket	NO	10.00		
F	Ditto; Reducer 100/50	NO	1.00		
G	∅50mm Pipe	M	28.00		
H	Ditto; Bend 45	NO	20.00		
I	Ditto; Y Junction	NO	10.00		
J	Ditto; Bend with Inspection door	No	4.00		
K	Ditto; Socket	NO	10.00		
L	Ditto; Bend 90	NO	24.00		
M	Ditto; Equal Tee	NO	4.00		
A	FIRST FLOOR: Soil, Waste, overflow and Vent Pipe Supply and instal uPVC pipes of class 'B' to BS Standards and fittings in running length as follows Include for the complete installation as detailed in the specifications and on the Drawings and to the complete satisfaction and approval of the Engineer and all concerned Statutory Authorities and under the Mechanical Engineering Installations, complete; ∅100mm Pipe	M	2.00		
B	Ditto; Bend 45	No	4.00		
C	Ditto; Y junction	NO	2.00		
D	Ditto; Bend with Inspection door	NO	2.00		
E	Ditto; ∅100mm Socket	NO	3.00		
F	Ditto; Reducer 100/50	NO	1.00		
G	∅50mm Pipe	M	17.00		
H	Ditto; Bend 45	NO	10.00		
I	Ditto; Y Junction	NO	3.00		
K	Ditto; Socket	NO	6.00		
L	Ditto; Bend 90	NO	10.00		
A	FOOD VENDOR AREA :Soil, Waste, overflow and Vent Pipe Supply and instal uPVC pipes of class 'B' to BS Standards and fittings in running length as follows Include for the complete installation as detailed in the specifications and on the Drawings and to the complete satisfaction and approval of the Engineer and all concerned Statutory Authorities and under the Mechanical Engineering Installations, complete; ∅75mm Pipe	M	32.00		
B	Ditto; Bend with inspection door	NO	1.00		
C	Ditto; 45deg Bend	NO	3.00		
D	Ditto; Y Junction	NO	8.00		

E	Ditto; ∅75mm Socket	NO	10.00		
F	Ditto; Reducer 75/50	NO	9.00		
G	∅50mm Pipe	M	95.00		
H	Ditto; Bend 45	NO	6.00		
I	Ditto; Y Junction	NO	7.00		
J	Ditto; Bend with Inspection door	NO	2.00		
K	Ditto; Socket	NO	25.00		
L	Ditto; Bend 90	NO	36.00		
8	**BUILDER'S WORK IN CONNECTIONS WITH PLUMBING AND ENGENEERING INSTALLATIONS (PROVISIONAL)**				
A	Allow for construction of trench/ drainage channel with the size 200mm width and 100mm deep complete with heavyduty steel fine gratings cover.To be approved by Architect/Enginer.	M	240.00		
B	EXTERNAL WORKS FOUL WATER DRAINAGE Excavate pipe trench and the like not exceeding 1.50 metres total depth average 0.50 metre deep commencing at ground level for pipe not exceeding 150mm diameter	M	50.00		
C	Allow for keeping excavation free from general water	Item	1.00		
D	Pipework 100mm Pipe in Trench	M	92.00		
E	∅100mm Pipe in Shaft	M	16.00		
F	Ditto; Bend 45	No	4.00		
G	Ditto; Y junction	NO	2.00		
H	Ditto; Bend with Inspection door	NO	2.00		
I	Ditto; ∅100mm Socket	NO	5.00		
J	∅75mm Pipe in Shaft	M	27.00		
K	Ditto; Bend with inspection door	NO	3.00		
L	Ditto; 45deg Bend	NO	12.00		
M	Ditto; Y Junction	NO	3.00		
N	Ditto; ∅75mm Socket	NO	10.00		
O	Ditto; Reducer 75/50	NO	3.00		
6	**FOUL WATER DRAINAGE**				
ii	**GULLY TRAPS**				
iii	**MANHOLE**				
A	Allow for Construction of foul/waste water manholes of internal dimension 600x600mm with invert level not exceeding 1000mm comprising 200mm plain concrete grade "C" bed 230mm block wall plastered internally as per specification and drawings including heavy duty cast iron cover .	No	11.00		
B	Allow for Construction of 300x300mm standard gully trap as per specification and	NO	6.00		

	drawings including heavy duty cast iron cover .				
D	Allow for Construction of 300x300mm standard Oil trap as per specification and drawings including heavy duty cast iron cover .	NO	3.00		
iv	**SEPTIC TANK**				
A	Allow for Construction of Septic Tank with variable dimensions as per drawing	No	1.00		
v	**SOAK AWAY PIT**				
A	Allow for Construction of Soakaway tank with variable dimensions as per drawing	No	2.00		
PART D: ROAD WORKS - POLISI LINE - NMC - MWANKOKO ROAD (1.22km)					
SERIES 2000	**DRAINAGE**				
Section 2100	**Drains**				
21.01	**Excavation for Open Drains**				
21.01(a)	Excavating soft material situated within the following depth range below the surface level: 0.5 m. up to 1.5 m	m3	3,830.40		
21.01(a)ii	Exceeding 1.5m and up to 3.0m	m3	766.08		
21.01 (b)	Extra over subitem 21.01(a) and (b) for excavation in rock as defined in Clause 3603, irrespective of depth	m3	191.52		
21.02 (a)	Clearing and shaping existing drains	m3	10.00		
21.02 (b)	Clearing of existing culverts	m3	10.00		
22.01	**Excavation**				
22.01 (a)	Excavation of soft material situated within the following depth ranges below the ground surface level (i) 0.5m to 1.5m	m3	193.50		
22.01 (a)	(ii) Exceeding 1.5 m and up to 3.0 m	m3	48.38		
22.01 (b)	Extra over subitem 22.01(a) for excavation in rock as defined in Clause 3603, irrespective of depth	m3	5.00		
22.02	**Backfilling**				
22.02 (a)	Using excavated material	m3	96.75		
22.02 (b)	Using imported selected material	m3	58.05		
22.03	**Concrete Pipe Culverts on Class A bedding**				
i	600 diameter with concrete Class 20 bedding as per drawings	m	12.00		
ii	900 diameter with concrete Class 20 bedding as per drawings	m	12.00		
iii	1200 diameter with concrete Class 20 bedding as per drawings	m	24.00		
22.07	**Cast in situ concrete and formwork**				
22.07 (a)	In Class A bedding, screeds and the encasing for pipes including formwork (Class 20/19 concrete)	m3	45.15		
22.07 (c)	In Class 25/19 inlet and outlet structures,	m3	22.40		

	catchpits, manholes, thrust and anchor blocks, including formwork and Class U2 surface finish				
22.23	**Service Ducts**				
22.23 (a)	Provide and construct service ducts as per Engineers Instruction 300mm diameter precast concrete pipes	m	60.00		
22.24	Duct marker block	no	12.00		
22.25	Hand excavation to determine the position of existing services (Provisional) within the project area	m3	500.00		
Series 2300	**Concrete Kerbing, Concrete Channelling,Open Concrete Chutes and Concrete Lining for Open Drains**				
23.01	**Concrete kerbing**				
23.01 (a)	Description of type with reference of drawing (Type A)	m	842.00		
23.01 (b)	Description of type with reference of drawing (Type B)	m	1,130.00		
23.01 (c)	Description of type with reference of drawing (Type C)	m	564.00		
23.03 (a)	Prefabricated concrete chutes Class 20/19	m	54.00		
23.05	**Inlet and outlet for concrete chutes and slope drains**				
23.05 (b)	(i) 250mm thick Vehicular Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	sq.m	100.80		
23.05 (b)	(ii) 150mm thick Pedestrian Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	sq.m	556.00		
23.08	**Concrete lining for open drains as shown on the drawings**				
23.08 (a)	Cast in situ concrete lining Grade 20 to drains with Class U2 surface finish	m3	15.00		
23.12	**STEEL REINFORCEMENT**				
23.12 (c)	Welded steel fabric A142 for drains	Tonnes	2.92		
2500	Pitching, Stonework and Protection Against Erosion Cast in situ concrete class 20, 100 mm thick, with BRC mesh for the base and sides of open drains and other locations instructed by Engineer	m3	456.00		
25.01 (c)	Grouted stone pitching, 200 mm thick	m2	133.00		
25.04 (d)	Concrete Pitching and block paving (200x100x60mm) 25Mpa Prefabricated concrete paving blocks for sidewalk pavement including 30mm Sand capping	m2	2,656.63		
SERIES 3000	**EARTHWORKS AND PAVEMENT LAYERS OF GRAVEL OR CRUSHED STONE**				
3100	**Clearing, Grubbing And Removal Of Topsoil**				
31.01	**Clearing, grubbing and removal of topsoil**				
31.01(a)	Clearing and grubbing	ha	1.50		
31.01(b)	Removal of topsoil	m3	3,309.32		
3200	**Removal of Existing Structures**				

32.01	**Removal of existing structures**				
3600	**Selecting and Utilizing Material From Borrow Pits and Cuttings**				
36.01	**Excavations:**				
36.01 (a)	Common excavation to spoil (Material other than topsoil excavated from side drains and existing/new roadway which is not suitable for fill)	m3	10,136.06		
36.01 (b)	Rock excavation (Provisional)	M3	2,764.38		
36.02	**Fill and improved subgrade layers**				
36.02 (a)	Improved subgrade layer as specified in the Drawings to require G15 quality material as minimum	m3	1,810.09		
36.02 (b)	Improved subgrade layer as specified in the Drawings to require G7 quality material as minimum	M3	1,810.09		
36.02 (c)	Fill as specified in the Drawings to require G3 quality material as minimum	M3	60.40		
37.02(a)	Natural Gravel Class G45 to receive Paving blocks for walkways	M3	464.91		
3800	**STABILISATION**				
38.02	**Chemical stabilisation, payment for full cocst of providing:-**				
38.02 (a)	Stabilised Layer, Material Class C1 (300mm thick subbase)	m3	3,620.18		
38.03	**Chemical stabiliser agent**				
38.03(b)	Ordinary Portland cement	Tonne (t)	166.53		
3900	**CRUSHED AGGREGATE BASE COURSE**				
39.01	**Crushed aggregate for base course:**				
39.01(b)	Crushed Aggregate Base, Class CRR 150mm	m3	1,645.54		
SERIES 4000	**BITUMINOUS LAYERS AND SEALS**				
4100	**Prime and Curing Membrane**				
41.01	**Prime Coat**				
41.02(a)	MC-30 Cut-back bitumen applied at a rate of 1 l/m2 for curing of stabillised base course	Litres	12,067.26		
4200	**Asphalt Concrete Surfacing**				
42.02 (a)	50mm thick Asphalt Concrete Wearing Course Class AC14 using 60/70 penetration grade bitumen	m3	603.36		
42.02 (b)	Bitumen for Asphalt Concrete Surfacing using 60/70 penetration grade bitumen	tonne	65.16		
SERIES 5000	**ANCILLARY ROADWORKS**				
5100	**Marker and Kilometer Posts**				
51.01	**Marker posts:**				
51.01	Edge marker posts	No	4.00		
5400	**Road Signs**				
54.01	Road sign on single post (sign sizes less	No	2.00		

	than 0.5 sq.m)				
54.02	Additional road sign plate less than 0.3 sq.m	no	9.00		
5500	**Road Markings**				
55.01	**Road Markings Paint**				
55.03 (a)	(i) White unbroken road marking lines 100mm wide (2mm thick)	m	1,172.78		
55.03 (a)	(ii) White broken road marking lines 100mm wide (2mm thick)	m	49.00		
55.03 (b)	Yellow acoustic road marking lines 150mm wide at edges (2mm thick)	m	2,345.56		
55.03 (d)	White Lettering and Symbols	sq.m	84.00		
55.10(a)	Provide asphalt concrete speed humps as per drawings	no	1.00		
56.04(a)	Allow for Provision and Installation of Solar Street Lights to be done by Specialised Sub-Contractor	PS	1.00	189000000	189,000,000.00
56.04(b)	Allow for contractor's overhead and profits as a percentage of above	%			
5700	**Landscaping and Grassing**				
57.03	**Preparing areas for grassing**				
57.03 (a)	Preparing area for Grassing (Provisional) Ripping	ha	0.20		
57.03 (c)	(ii) Topsoil obtained from other sources by the contractor (including all haul)	m3	306.80		
57.04 (a)	Planting of grass cuttings (type of grass as instructed by Engineer)	ha	0.20		
57.09	**Providing Trees and Shrubs**				
57.09 (a)	Providing indigenous trees to Engineers approval (maintain through the period of construction and defect liability period)	No	174.54		
57.09 (b)	Planting and establishing trees	no	174.54		
PART D: ROAD WORKS - MUGHENYI - NMC ROAD (0.649km)					
SERIES 2000	**DRAINAGE**				
Section 2100	**Drains**				
21.01	**Excavation for Open Drains**				
22.01	**Excavation**				
22.07	**Cast in situ concrete and formwork**				
22.07 (c)	In Class 25/19 inlet and outlet structures, catchpits, manholes, thrust and anchor blocks, including formwork and Class U2 surface finish	m3	3.80		
22.1	Steel reinforcement: (b) High-tensile steel bars (for inlet and outlet structures)	tonne	0.45		
22.23	**Service Ducts**				
22.23 (a)	Provide and construct service ducts as per Engineers Instruction 300mm diameter precast concrete pipes	m	100.00		

22.24	Duct marker block	No	4.00		
22.25	Hand Excavation to determine the positions of existing services(Provisional) within the project area	M3	50.00		
Series 2300	**Concrete Kerbing, Concrete Channelling,Open Concrete Chutes and Concrete Lining for Open Drains**				
23.08	**Concrete lining for open drains as shown on the drawings**				
23.08 (a)	Cast in situ concrete lining Grade 20 to drains with Class U2 surface finish	m3	198.00		
SERIES 3000	**EARTHWORKS AND PAVEMENT LAYERS OF GRAVEL OR CRUSHED STONE**				
3100	**Clearing, Grubbing And Removal Of Topsoil**				
31.01	**Clearing, grubbing and removal of topsoil**				
a	Clearing and grubbing	ha	0.52		
31.01(b)	Removal of topsoil	m3	1,013.80		
3600	**Selecting and Utilizing Material From Borrow Pits and Cuttings**				
36.01	**Excavations:**				
36.01 (a)	Common excavation to spoil(Material other than topsoil excavated from side drains and existing/new roadway which is not suitable for fill)	m3	2,181.81		
36.01 (b)	Rock excavation	m3	654.54		
36.02	**Fill and improved subgrade layers**				
36.02 (a)	Improved subgrade layer as specified in the Drawings to require minimum G15 quality material	m3	1,078.84		
36.02 (b)	Improved subgrade layer as specified in the Drawings to require minimum G7 quality material(stockpilled)	m3	1,078.84		
36.02 (c)	Fill as specified in the drawings to required minimum G3 quality material	m3	46.55		
3800	**STABILISATION**				
38.02	**Chemical stabilisation, payment for full cocst of providing:-**				
38.02 (a)	Stabilizing Layer, Material Class C1	m3	1,078.84		
38.03	**Chemical stabiliser agent**				
38.03(b)	Ordinary Portland cement	Tonne (t)	49.63		
3900	**CRUSHED AGGREGATE BASE COURSE**				
39.01	**Crushed aggregate for base course:**				
39.01(b)	Crushed aggregate Class CRR including mixing, laying, spreading, water, shaping, compaction to the required MDD	m3	1,027.88		
SERIES 4000	**BITUMINOUS LAYERS AND SEALS**				
4100	**Prime and Curing Membrane**				
41.01	**Prime Coat**				
41.02(a)	MC-30 Cut-back bitumen applied at a rate of 1 l/m2 for curing of stabilized base course	Litres	6,468.00		
4200	**Asphalt Concrete Surfacing**				

42.02	50mm thick Asphalt Concrete Wearing Course Class AC14 using 60/70 penetration grade bitumen	m3	323.40		
42.02 (b)	Bitumen for Asphalt Concrete Surfacing using 60/70 penetration grade bitumen	Tonne	34.93		
SERIES 5000	**ANCILLARY ROADWORKS**				
5100	**Marker and Kilometer Posts**				
51.01	**Marker posts:**				
51.01	Edge marker posts	No	12.00		
5400	**Road Signs**				
54.01	Road sign on single post (sign sizes less than 0.5 sq.m)	No	1.00		
54.02	Additional road sign plate less than 0.3 sq.m	No	7.00		
5500	**Road Markings**				
55.01	**Road Markings Paint**				
55.03 (a)	(i) White unbroken road marking lines 100mm wide (2mm thick)	m	598.00		
55.03 (a)	(ii) White broken road marking lines 100mm wide (2mm thick)	m	42.00		
55.03 (b)	(i) Yellow acoustic road marking lines 150mm wide at edges (2mm thick)	m	1,196.00		
55.03 (d)	White Lettering and Symbols	sq.m	36.00		
55.10(a)	Provide asphalt concrete speed humps as per drawings	no	1.00		
56.04(a)	Allow for Provision and Installation of Solar Street Lights to be done by Specialised Sub-Contractor	PS	1.00	103500000	103,500,000.00
56.04(b)	Allow for contractor's overhead and profits as a percentage of above	%			
5700	**Landscaping and Grassing**				
57.09	**Providing Trees and Shrubs**				
57.09	**Providing Trees and Shrubs**				
57.09	**Planting and establishing trees and shrubs**				
57.09 (a)	Providing indigenous trees to Engineers approval (maintain through the period of construction and defect liability period)	No	128.00		
57.09 (b)	Planting and establishing trees	No	128.00		
SERIES 6000	**STRUCTURES**				
Series 6100:	**Foundations for Structures**				
61.01	**Excavation**				
a	**Common excavation in soft material situated within the following successive depth ranges:**				
6100	Common excavation for structures in sand soil material including the side support system and de-watering system if necessary .The item includes throwing away the excess of the excavation outside the construction field to the places prepared for this purpose and approved by authorities. 0	m3	117.75		

	m up to 1.5 m				
ii	1.5 m up to 3.0 m	m3	17.66		
(b)	Extra - over for sub item 61.02 (a) for excavation in rocks irrespective of depth range (PROVISIONAL)	m3	5.00		
SS 6100	Costs required for diverting, channelling or widening stream and conservation of marine and freshwater life at all times by appropriate methods described under Series 6000 of Standard Specication of Roads Works.	LS	1.00		
b	**Extra over sub item 61.02(a) for excavation in rock irrespective of depth**				
61.04	**Backfill to excavations utilizing:**				
61.04(a)	Backfill to excavation utilizing,materials from excavation	m3	40.62		
61.04(b)	Backfill to excavation utilizing Imported material	m3	71.71		
61.08(b)	Filling and Compact using Rock fill material	M3	8.12		
61.08	**Foundation fill consist of:**				
Series 6200:	**False work, formwork and Concrete Finish**				
62.02	**Class F1 surface finish to:**				
61.48	Water proofing to structures	m2	38.10		
62.01 (a)	Formwork to provide F3 surface finish to all classes of concrete to culverts as specified under subsection 6207 (d) of standard specification for Roadworks - 2000	M2	549.50		
Series 6300:	**Steel Reinforcement for Structures**				
63.01	**Steel reinforcement for:**				
63.01(i)	High Yield Steel reinforcement bars grade 460 to BS 4449.	tonnes	7.14		
Series 6400:	**Series 6400: Concrete for Structures**				
64.01	**Cast in situ concrete:**				
64.01(a)	Cast in situ concrete for Box culverts blinding	m3	3.20		
64.01(b)	Class 30/20 for superstructure of box culvert, headwalls, aprons, guardrail, retaining walls and wings walls of minor structures concretes for box culverts, using ordinary portlant cement class CEM-I with minimum 425 kg per m^3	m3	57.10		
66.19(b) (i)	Section 6600 : No-fines concrete , joints , bearings, parapets and drainage for structures .Drainage pipes and weep holes:75 mm Diameter UPVC weepholes to box culverts	m	28.00		
PART C: OFFICE BUILDING - MECHANICAL INSTALLATION					
BILL No 3	**MEASURED WORKS**				
ELEMENT No.10	**AIR CONDITIONING AND MECHANICAL VENTILATIONS**				

ii)	**AIR CONDITIONING INSTALLATIONS**				
a)	**"Supply, install, test and commissioning of LG MULTI-V 5 Inverter units Air-conditioning system (VRF) of LG Brand or equal aproved. The outdoor units should operate up to 40oC dB temperature & 50Hz/R410A/380 ~415 & should have frequency modulation from 10HZ to 165HZ. The Condesning Units must have a Corrosion Resistance Certification from third party (like UL) for Testing of Heat Exchanger for a minimum simulation of 25 Years. Condesning Unit shall be able to perform Dust removal function, during which, the condensing unit fan will rotate in reverse direction to blow away dust and sand accumulated on the condenser coil. "**				
1	**Outdoor units**				
2	**Indoor units**				
a)	**Ceiling Cassette Type Indoors**				
	Supply, Install, Test, Commission and The Fan Evaporator Unit, Ceiling Cassette type each complete with integral Condensate Pumps and Wired Remote Controller & Cassette Panel. The Wired remote controller should have colored screen with touch buttons & Humidity Sensors for energy savings. 4-Way Cassette Indoor				
b)	**Wall Mounted Indoor Unit Type**				
c)	**Single Split Wall Mounted Unit Type**				
	Supply and Install, test, commission and set to work of the fan evaporating unit, Wireless Remote Controller				
A	Supply, install, test and commission the A/C units Manufactured by LG. The outdoor units should operate up to 46oC DB temperature. However Manufacturer approved equal will be accepted. Single split air conditioners system (Indoor & Outdoor units) in-ceiling mounted type indoor unit of capacity 36,000 Btu/hr each completed with condensate pump and wireless controllers	No	1.00		
B	Single split air conditioners system (Indoor & Outdoor units) in-ceiling mounted type indoor unit of capacity 24,000 Btu/hr each completed with condensate pump and wireless controllers	No	3.00		
C	Single split air conditioners system (Indoor & Outdoor units) in-wall mounted type indoor unit of capacity 24,000 Btu/hr each completed with wireless controllers	No	2.00		
D	Single split air conditioners system (Indoor & Outdoor units) in-wall mounted type indoor unit of capacity 18,000 Btu/hr each completed with wireless controllers	No	1.00		
E	Single split air conditioners system (Indoor & Outdoor units) in-wall mounted type indoor unit of capacity 15,000 Btu/hr each completed with wireless controllers	No	3.00		
F	Single split air conditioners system (Indoor & Outdoor units) in-wall mounted type indoor unit of capacity 9,000 Btu/hr each completed with wireless controllers	No	9.00		
F	Refrigerant Piping. Supply, install, test and commission copper piping for liquid and vapour refrigerants, run in vertical/horizontal trunk including all joints and connection to indoor and outdoor units	M	15.00		

	insulated with "Armaflex" or similar to be approvaed and charged with R 410 refrigerant gas. For connecting one indoor A/C unit with one outdoor unit (36,000 Btu/hr cooling), liquid and vapour line				
G	For connecting one indoor A/C unit with one outdoor unit (24,000 Btu/hr cooling), liquid and vapour line	M	45.00		
H	For connecting one indoor A/C unit with one outdoor unit (18,000 Btu/hr cooling), liquid and vapour line	M	15.00		
I	For connecting one indoor A/C unit with one outdoor unit (15,000 Btu/hr cooling), liquid and vapour line	M	15.00		
J	For connecting one indoor A/C unit with one outdoor unit (9,000 Btu/hr cooling), liquid and vapour line	M	60.00		
K	Security Grill Allow for security grills complete with padlock. The grill color to be approved by Architect.	No	19.00		
d)	**Refnet joint complete with insulation for liquid and vapour refrigerants and charged with R410A refrigerant gas, comprise with Tee and Y-joints.**				
e)	**Refrigerant Pipping:**				
	Supply, Install, test and commissioning copper piping for liquid and vapour refrigerants, run in vertical/horizontal trunk including all joints and connection to indoor and outdoor units insulated with "Armaflex" or similar to be approved and charged with R 410A refrigerant gas.				
f)	**Condensate Drainage System**				
	Supply, install, test and commission condensate drainage system in PVC pipe in accordance with BS 3505 and 4634. All pipes to be insulated with 10mm rock wool or styropur and provided with vapour barrier and installing at a slope of 1:50 and allow for all necessary fittings				
A	Supply, install, test and commision condensate drainage system in PVC pipe in accordance with BS 3505 and 4634. All pipes to be insulated with 10mm rock wool or styropur and provided with vapour barrier and installing at a slope of 1:50 Allow for all joints and necessary fittings. Dia 32 mm	M	32.00		
B	Dia 25 mm	M	152.00		
C	Supply , install, commisioning and over/under voltage protection to matching with the capacity of A/C .	No	19.00		
g)	**Inter-unit Wiring**				
	Supply and Install the following control wiring cables in conduit including necessary accessories				
A	Supply and installation of wiring and power connection from DP switches to the AC outdoor units mounted on the canopy/external wall as indicated in the drawings.	No	19.00		
h)	**Trunking**				
A	Allow for PVC trunk to suite surface refrigerant/ condensate pipes run vertical	M	95.00		
j)	**Mounting Supports**				

A	Bracket Allow for mounted bracket for air condition units	No	19.00		
iii)	**MECHANICAL VENTILATION**				
a)	**Supply, Install inline extract fan and wall mouted fan for toilet extract system complete with standby unit and automatic change over switch**				
A	Supply, install, test and commissioning in-line extract fan manufactured by Xpelair with capacity 500m3/hr complete with associated accessories to enable fan to work. However othermanufacturer approved equal will be accepted.	No	3.00		
B	Supply, install, test and commissioning in-line extract fan manufactured by Xpelair with capacity 250m3/hr complete with associated accessories to enable fan to work. However othermanufacturer approved equal will be accepted.	No	1.00		
b)	**AIR EXTRACTING DUCTS**				
	Supply and install ventilation duct in galvanised steel plate, with flanged joints air-tightened with approved long lasting sealing compound in accordance with BS requirements, including straps, rawl bolts, screws and brackets for suspension. Plate thickness 0.8mm				
A	Supply and install ventilation duct in galvanised steel plate, with flanged joints air-tightened with approved long lasting sealing compound in accordance with BS requirements, including straps, rawl bolts, screws and brackets for suspension. Plate thickness 0.8mm 100mm Diameter	M	20.00		
B	Ditto; 150mm Diameter	m	10.00		
C	Supply and install 150mm diameter disc valve to be mounted in the toilet	No	7.00		
D	Supply and install Extract grilles to be mounted in the wall	No	4.00		
E	Supply and install flexible duct with 100mm diameter	M	8.00		
PART D: ROAD WORKS - ONION MARKET ROAD (0.66km)					
SERIES 2000	**DRAINAGE**				
Section 2100	**Drains**				
21.01	**Excavation for Open Drains**				
21.01(a)	Excavating soft material situated within the following depth range below the surface level: 0.5 m. up to 1.5 m	m3	1,814.40		
21.01(a)	Excavating soft material situated within the following depth range below the surface level: Exceeding 1.5 m and up to 3.0 m	m3	362.88		
21.01 (b)	Extra over subitem 21.01(a) and (b) for excavation in rock as defined in Clause 3603, irrespective of depth	m3	5.00		
21.02(a)	Clearing and shaping existing culverts	m3	10.00		
22.01	**Excavation**				
22.01 (a)	Excavation of soft material situated within the following depth ranges below the	m3	40.50		

	ground surface level (i) 0.5m to 1.5m				
22.01 (a)	(ii) Exceeding 1.5 m and up to 3.0 m	m3	10.13		
22.01 (b)	Extra over subitem 22.01(a) for excavation in rock as defined in Clause 3603, irrespective of depth	m3	5.00		
22.02	**Backfilling**				
22.02 (a)	Using excavated material	m3	532.80		
22.02 (b)	Using imported selected material	m3	266.40		
22.03	**Concrete Pipe Culverts on Class A bedding**				
22.03 (a)	On Class A Bedding (i) 1/900mm diameter	m	10.00		
22.07	**Cast in situ concrete and formwork**				
22.07 (c)	In Class 25/19 inlet and outlet structures, catchpits, manholes, thrust and anchor blocks, including formwork and Class U2 surface finish	m3	3.80		
22.10	Steel reinforcement: High-tensile steel bars (for inlet and outlet structures)	tonne	0.45		
22.23	**Service Ducts**				
22.23 (a)	Provide and construct service ducts as per Engineers Instruction 300mm diameter precast concrete pipes	m	100.00		
22.24	Duct marker block	no	4.00		
22.25	Hand excavation to determine the position of existing services (Provisional) within the project area	m3	50.00		
Series 2300	**Concrete Kerbing, Concrete Channelling,Open Concrete Chutes and Concrete Lining for Open Drains**				
23.01	**Concrete kerbing**				
23.01 (a)	Description of type with reference of drawing (Type A)	m	666.00		
23.05	**Inlet and outlet for concrete chutes and slope drains**				
23.05 (b)	(i) 250mm thick Vehicular Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	m2	72.00		
23.05 (b)	(ii) 150mm thick Pedestrian Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	m2	594.00		
23.08	**Concrete lining for open drains as shown on the drawings**				
23.08 (a)	Cast in situ concrete lining Grade 20 to drains with Class U2 surface finish	m3	421.25		
23.12	**STEEL REINFORCEMENT**				
23.12 (c)	Welded steel fabric A142 for drains	Tonnes	8.81		
Section 2500	**Pitching, Stonework and Protection Against Erosion**				
25.01	**Stone Pitching**				
25.04	Concrete Pitching and block paving (200x100x60mm) 25Mpa Prefabricated concrete paving blocks for sidewalk pavement including 30mm Sand capping	m2	999.15		

SERIES 3000	**EARTHWORKS AND PAVEMENT LAYERS OF GRAVEL OR CRUSHED STONE**				
3100	**Clearing, Grubbing And Removal Of Topsoil**				
31.01	**Clearing, grubbing and removal of topsoil**				
31.01(a)	Clearing and grubbing	ha	0.66		
31.01(b)	Removal of topsoil	m3	1,916.10		
3600	**Selecting and Utilizing Material From Borrow Pits and Cuttings**				
36.01	**Excavations:**				
36.01 (a)	Common excavation to spoil (Material other than topsoil excavated from side drains and existing/new roadway which is not suitable for fill)	m3	1,864.00		
36.01 (b)	Rock excavation (Provisional)	m3	279.61		
36.02	**Fill and improved subgrade layers**				
36.02 (a)	Improved subgrade layer as specified in the Drawings to require G15 quality material as minimum	m3	1,193.58		
36.02 (b)	Improved subgrade layer as specified in the Drawings to require G7 quality material as minimum	m3	1,194.00		
36.02 (c)	Fill as specified in the Drawings to require G3 quality material as minimum	m3	816.34		
3700	**Pavement Layers of Natural Gravel Materials**				
37.02	**Natural Gravel for Sub-base Course**				
37.02(a)	Natural Gravel Class G45 to receive Paving blocks for walkways	m3	174.85		
3800	**STABILISATION**				
38.02	**Chemical stabilisation, payment for full cocst of providing:-**				
38.02 (a)	Stabilised Layer, Material Class C1 (150mm thick subbase)	m3	1,193.58		
38.03	Chemical stabilising agents: Ordinary portland cement (for subbase)	tonne	54.90		
39.01(b)	Crushed Aggregate Base, Class CRR 150mm	m3	1,125.44		
SERIES 4000	**BITUMINOUS LAYERS AND SEALS**				
4200	**Asphalt Concrete Surfacing**				
41.02(a)	Curing Membranes MC-30 Cut-back bitumen applied at a rate of 1 l/m2 for curing of stabillised base course	ltr	6,960.75		
42.02(a)	Asphalt Concrete Surfacing, using 60/70 pen grade Bitumen and 20 mm maximum aggregates size	m3	348.04		
42.02 (b)	Bitumen for Asphalt Concrete Surfacing using 60/70 penetration grade bitumen	tonne	37.59		
SERIES 5000	**ANCILLARY ROADWORKS**				
5100	**Marker and Kilometer Posts**				
51.01	**Marker posts:**				
51.01	Edge marker posts	No	12.00		

5400	**Road Signs**				
54.01	Road sign on single post (sign sizes less than 0.5 sq.m)	No	1.00		
54.02	Additional road sign plate less than 0.3 sq.m	no	7.00		
5500	**Road Markings**				
55.01	**Road Markings Paint**				
55.03 (a)	(i) White unbroken road marking lines 100mm wide (2mm thick)	m	598.00		
55.03 (a)	(ii) White broken road marking lines 100mm wide (2mm thick)	m	42.00		
55.03 (b)	(i) Yellow acoustic road marking lines 150mm wide at edges (2mm thick)	m	1,196.00		
55.03 (c)	White Lettering and Symbols	m2	36.00		
55.10(a)	Provide asphalt concrete speed humps as per drawings	nos	1.00		
56.04	Allow for contractor's overhead and profits as a percentage of above	Ps	1.00	98404480	98,404,480.00
56.04 B	Allow for contractor's overhead and profits as a percentage of above	%			
5700	**Landscaping and Grassing**				
57.09	**Providing Trees and Shrubs**				
57.09 (a)	Providing indigenous trees to Engineers approval (maintain through the period of construction and defect liability period)	No	128.00		
57.09	**Planting and establishing trees and shrubs**				
57.09 (b)	Planting and establishing trees	No	128.00		
SERIES 6000	**STRUCTURES**				
Series 6100:	**Foundations for Structures**				
61.01	**Excavation**				
a	**Common excavation in soft material situated within the following successive depth ranges:**				
i	Common excavation for structures in sand soil material including the side support system and de-watering system if necessary .The item includes throwing away the excess of the excavation outside the construction field to the places prepared for this purpose and approved by authorities. 0 m up to 1.5 m	m3	117.75		
ii	1.5 m up to 3.0 m	m3	17.66		
(b)	Extra - over for sub item 61.02 (a) for excavation in rocks irrespective of depth range (PROVISIONAL)	m3	5.00		
SS 6100	Costs required for diverting, channelling or widening stream and conservation of marine and freshwater life at all times by appropriate methods described under Series 6000 of Standard Specication of Roads Works.	Ls	1.00		
61.04	**Backfill to excavations utilizing:**				

61.04(a)	Backfill to excavation utilizing,materials from excavation	m3	40.62		
61.04(b)	Backfill to excavation utilizing Imported material	m3	71.71		
61.08(b)	Filling and Compact using Rock fill material	m3	8.12		
61.08	**Foundation fill consist of:**				
61.48	Water proofing to structures	m2	38.10		
62.01 (a)	Formwork to provide F3 surface finish to all classes of concrete to culverts as specified under subsection 6207 (d) of standard specification for Roadworks - 2000	m2	549.50		
Series 6300:	**Steel Reinforcement for Structures**				
63.01	**Steel reinforcement for:**				
(i)	High Yield Steel reinforcement bars grade 460 to BS 4449.	tonnes	7.14		
Series 6400:	**Series 6400: Concrete for Structures**				
64.01	**Cast in situ concrete:**				
(i)	Box culverts	m3	3.20		
(ii)	Class 30/20 for superstructure of box culvert, headwalls, aprons, guardrail, retaining walls and wings walls of minor structures concretes for box culverts, using ordinary portlant cement class CEM-I with minimum 425 kg per m^3	m3	57.10		
6600 :	No-fines concrete , joints , bearings, parapets and drainage for structures 75 mm Diameter UPVC weepholes to box culverts	m	28.00		
PART B: SINGIDA MODERN ONION MARKET - FIRE FIGHTING INSTALLATION					
BILL No 3	**MEASURED WORKS**				
ELEMENT No. 12	**FIRE FIGHTING SYSTEM INSTALLATIONS**				
a)	**Pipe work, galvanized mild steel pipes to BS 1387, medium grade supported to walls/ ceiling with screwed and socketed joints.Exposed parts painted red. (UL LISTED)**				
A	DRY RISER SYSTEM Automatic air release valve to match the system	No	2.00		
B	Valves and Fittings Dia 100mm flanges	No	6.00		
C	Dia 100mm bend	No	5.00		
D	Dia 100mm Tee	No	2.00		
E	Dia 100mm Pipe Joint	No	4.00		
F	Dia 100/65mm pipe reducer tee	No	2.00		
G	Dia 65mm bend	No	14.00		
H	Dia 100mm Gate Valve	No	1.00		
I	Dia 65mm Gate Valve	No	2.00		
J	Pipes complete with Assorted fittings, clamps and all accessories galvanized mild steel (GMS) pipes to BS 1387, medium grade with screwed and socketed joints. Exposed parts painted red. Dry Rising	M	10.00		

	Mains 100mm as per BS 5306: Part 1 and BS 5041: Part 1				
K	Dry Rising Mains 65mm as per BS 5306: Part 1 and BS 5041: Part 1	No	38.00		
L	Angus or approved equivalent high pressure regulating Single 2.5" (63mm) flanged end landing valve with instantaneous coupling according to BS 5306:Part 1.	No	2.00		
M	2.5" flexible fire hose pipe min 30m long	No	2.00		
N	Angus or approved equivalent 6" x 4 Way Breeching Inlet to comply with BS 5041 PART -3 comprising of male instatenous connections complying with BS 336:2010, Drain Valves complying with BS 5154, PN 16 rated and non return valves.	No	1.00		
O	Dry Riser Inlet Box to match with the above Breeching Inlet	No	1.00		
A	HOSE REEL SYSTEM Hose Reel Pump Set Grundfos or equivalent approved vertical inline multi stage centrifugal multi pump package (Stand By & Duty) as per indicated Flow rate and head. The pump shall have cast iron head, base plate SS Shaft/ Impeller/ Intermediate chamber. Pump shall be provided with mechanical seal. The pump package shall be suitable for auto/ manual operation. Package shall be complete with control panel along with necessary control panel, suction/discharge headers, skid, vibration isolators as specified in specification 5cmh - 3.0 Bar ESP	No	1.00		
B	Pipes complete with Assorted fittings, clamps and all accessories galvanized mild steel (GMS) pipes to BS 1387, medium grade with screwed and socketed joints. Exposed parts painted red. Dia 50mm	M	55.00		
C	Ditto; Dia 25mm	M	38.00		
D	Elbow Dia 50mm	No	8.00		
E	Ditto; Dia 25mm	No	14.00		
F	Reducer Dia 50mm / 25mm	No	2.00		
G	Union GI Dia 50mm	No	14.00		
H	Ditto; Dia 25mm	No	10.00		
I	Gate Valve Dia 50mm	No	1.00		
J	Ditto; Dia 25mm	No	2.00		
K	Equal Tee Dia 50mm	No	2.00		
A	Fire Hose Reels Automatic hose reel, swinging type, Angus brand or other approved equivalent, with 25mm diameter rubber hose, 30m long provided with manual stop.	No	2.00		
B	Fire Cabinets Double Vertical Cabinet, Surface mounted type, mild steel with wired	No	2.00		

	glass door. Dimensions: (LXWXD) 1650 X 800 X 300 mm as manufactured by NAFFCO or equal approved.				
C	Portable Fire Extinguisher 4.5 kg bottle, carbon dioxide gas as manufactured by NAFFCO or equal approved.	No	2.00		
D	6.0 kg bottle, carbon dioxide Dry Powder as manufactured by NAFFCO or equal approved.	No	2.00		
E	Fire Blankets Fire Blankets to BS EN 1869:1997	No	2.00		
k)	**Metal Pipe bracket clamp**				
A	EXTERNAL PRIVATE HYDRANTS Supply and lay fire hydrant pipes 100mm diameter, elbows, bends and any other associated accessories. (minimum cover shall be 1m)	M	75.00		
B	Supply and install 100mm norminal diameter pillar fire hydrant with two outlets of 65mm, type "ANGUS", "NAFFCO" of similar to be approved with instantaneous coupling according to BS 5041:Part 1	No	2.00		
C	Supply and install 100mm diameter stop valve for fire hydrant water supply main	No	2.00		
PART D: ROAD WORKS - MNUNGUNA - CHUME ROAD (1.315km)					
SERIES 2000	**DRAINAGE**				
Section 2100	**Drains**				
21.01	**Excavation for Open Drains**				
a	Excavating soft material situated within the following depth range below the surface level: 0.5 m. up to 1.5 m	m3	336.00		
21.01 (b)	Extra over subitem 21.01(a) and (b) for excavation in rock as defined in Clause 3603, irrespective of depth	m3	33.60		
21.02 (a)	Clearing and shaping existing drains	m3	10.00		
21.02 (b)	Clearing of existing culverts	m3	10.00		
22.02	**Backfilling**				
22.01 (a)	Excavation of soft material situated within the following depth ranges below the ground surface level (i) 0.5m to 1.5m	m3	94.50		
22.01 (a)	(ii) Exceeding 1.5 m and up to 3.0 m	m3	23.63		
22.01 (b)	Extra over subitem 22.01(a) for excavation in rock as defined in Clause 3603, irrespective of depth	m3	5.00		
22.02 (a)	Using excavated material	m3	47.25		
22.02 (b)	Using imported selected material	m3	28.35		
22.03	**Concrete Pipe Culverts on Class A bedding**				
22.03 (a)	On Class A Bedding (ii) 600 diameter with concrete Class 20 bedding as per drawings	m	12.00		
22.03 (a)	(iii) 1200 diameter with concrete Class 20	m	12.00		

	bedding as per drawings				
22.07	**Cast in situ concrete and formwork**				
22.07 (c)	In Class 25/19 inlet and outlet structures, catchpits, manholes, thrust and anchor blocks, including formwork and Class U2 surface finish	m3	5.70		
22.10	**Steel Reinforcement**				
i	High-tensile steel bars	Tonnes	1.21		
22.23	**Service Ducts**				
22.23 (a)	Provide and construct service ducts as per Engineers Instruction 300mm diameter precast concrete pipes	m	30.00		
22.24	Duct marker block	m	6.00		
22.25	Hand excavation to determine the position of existing services (Provisional) within the project area	m3	100.00		
Series 2300	**Concrete Kerbing, Concrete Channelling,Open Concrete Chutes and Concrete Lining for Open Drains**				
23.01	**Concrete kerbing**				
23.01 (a)	Description of type with reference of drawing (Type A)	m	300.00		
23.01 (b)	Description of type with reference of drawing (Type B)	m	1,749.36		
23.05	**Inlet and outlet for concrete chutes and slope drains**				
23.05 (b)	(i) 250mm thick Vehicular Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	m2	57.60		
23.05 (b)	(ii) 150mm thick Pedestrian Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	m2	360.00		
23.08 (a)	Cast in situ concrete lining Grade 20 to drains with Class U2 surface finish	m3	189.55		
23.08	**Concrete lining for open drains as shown on the drawings**				
23.12	**STEEL REINFORCEMENT**				
23.12 (c)	WELDED STEEL FABRIC	Tonnes	5.59		
Section 2500	**Pitching, Stonework and Protection Against Erosion**				
25.01	**Stone Pitching**				
25.01(a)	Cast in situ concrete class 20, 100 mm thick, with BRC mesh for the base and sides of open drains and other locations instructed by Engineer	m3	453.00		
25.01 (c)	Grouted stone pitching, 200 mm thick	M2	143.00		
25.04 (d)	(200x100x60mm) 25Mpa Prefabricated concrete paving blocks for sidewalk pavement including 30mm Sand capping	m2	1,749.36		
Series 2600	**Gabions**				
26.01	**Excavation Works**				
26.01(b)	Foundation trench excavation and backfilling	m3	61.60		

26.02	Surface preparation for bedding the gabions	m2	123.20		
26.03	**Galvanized Macafferi Gabions Boxes**				
26.03(a)	Galvanished PVC coated Gabion boxes filled with rock for protection works at locations shown by Engineer (ii) 1m × 1m × 1m deep with mesh size 80mmX100mm	m3	192.00		
SERIES 3000	**EARTHWORKS AND PAVEMENT LAYERS OF GRAVEL OR CRUSHED STONE**				
3600	**Selecting and Utilizing Material From Borrow Pits and Cuttings**				
36.01	**Excavations:**				
31.01(a)	Clearing, grubbing and removal of topsoil: Clearing and grubbing	ha	1.43		
31.01(b)	Removal of topsoil	m3	1,660.00		
36.01 (a)	Common excavation to spoil (Material other than topsoil excavated from side drains and existing/new roadway which is not suitable for fill)	m3	7,859.00		
36.02	**Fill and improved subgrade layers**				
36.02 (a)	Improved subgrade layer as specified in the Drawings to require G15 quality material as minimum	m3	2,517.90		
36.02 (b)	Improved subgrade layer as specified in the Drawings to require G7 quality material as minimum	m3	2,518.00		
36.02 (c)	Fill as specified in the Drawings to require G3 quality material as minimum	m3	1,207.00		
3800	**STABILISATION**				
38.02	**Chemical stabilisation, payment for full cocst of providing:-**				
38.02 (a)	Stabilised Layer, Material Class C1 (150mm thick subbase)	m3	2,024.00		
38.03	**Chemical stabiliser agent**				
38.03(b)	Ordinary Portland cement	Tonne (t)	93.00		
3900	**CRUSHED AGGREGATE BASE COURSE**				
39.01	**Crushed aggregate for base course:**				
39.01(b)	Crushed Aggregated Class CRS	m3	1,807.00		
SERIES 4000	**BITUMINOUS LAYERS AND SEALS**				
4100	**Prime and Curing Membrane**				
41.01	**Prime Coat**				
41.02(a)	MC-30 Cut-back bitumen applied at a rate of 0.7l/m2 for curing of stabilized base course	Litres	11,324.26		
4200	**Asphalt Concrete Surfacing**				
42.02	50mm thick Asphalt Concrete Wearing Course Class AC14 using 60/70 penetration grade bitumen	m3	566.21		
42.02 (b)	Bitumen for Asphalt Concrete Surfacing using 60/70 penetration grade bitumen	tonne	61.15		
SERIES 5000	**ANCILLARY ROADWORKS**				

5100	**Marker and Kilometer Posts**				
51.01	**Marker posts:**				
51.01	Edge marker posts	No	4.00		
5400	**Road Signs**				
54.01	Road sign on single post (sign sizes less than 0.5 sq.m)	No	2.00		
54.02	Additional road sign plate less than 0.3 sq.m	no	6.00		
5500	**Road Markings**				
55.01	**Road Markings Paint**				
55.03 (a)	(i) White unbroken road marking lines 100mm wide (2mm thick)	m	1,245.00		
55.03 (a)	(ii) White broken road marking lines 100mm wide (2mm thick)	m	70.00		
55.03 (b)	(i) Yellow acoustic road marking lines 150mm wide at edges (2mm thick)	m	2,629.00		
55.03 (d)	White Lettering and Symbols	m2	120.00		
55.10(a)	Provide asphalt concrete speed humps as per drawings	no	1.00		
56.04(a)	Allow for Provision and Installation of Solar Street Lights to be done by Specialised Sub-Contractor	PS	1.00	202190455	202,190,455.00
56.04(b)	Allow for contractor's overhead and profits as a percentage of above	%			
5700	**Landscaping and Grassing**				
57.09	**Providing Trees and Shrubs**				
57.09 (a)	Providing indigenous trees to Engineers approval (maintain through the period of construction and defect liability period)	No	188.00		
57.09 (b)	Planting and establishing trees	No	188.00		
SERIES 6000	**STRUCTURES**				
Series 6100:	**Foundations for Structures**				
61.01	**Excavation**				
a	**Common excavation in soft material situated within the following successive depth ranges:**				
i	Common excavation for structures in sand soil material including the side support system and de-watering system if necessary .The item includes throwing away the excess of the excavation outside the construction field to the places prepared for this purpose and approved by authorities. 0 m up to 1.5 m depth	m3	459.23		
61.01(a)	Ditto 1.5 m up to 3.0 m	m3	68.88		
61.01	Extra - over for sub item 61.02 (a) for excavation in rocks irrespective of depth range (PROVISIONAL)	m3	5.00		
SS 6100	Costs required for diverting, channelling or widening stream and conservation of marine and freshwater life at all times by appropriate methods described under Series	LS	1.00		

	6000 of Standard Specication of Roads Works.				
61.04	**Backfill to excavations utilizing:**				
61.04(a)	Backfill to excavation utilizing, materials from excavation	m3	158.43		
61.04(b)	Backfill to excavation utilizing Imported material	m3	268.05		
61.08	**Foundation fill consist of:**				
61.08(b)	Filling and Compact using Rock fill material	m3	31.69		
Series 6200:	**False work, formwork and Concrete Finish**				
62.02	**Class F1 surface finish to:**				
61.48	Water proofing to structures	m2	38.10		
62.01 (a)	Formwork to provide F3 surface finish to all classes of concrete to culverts as specified under subsection 6207 (d) of standard specification for Roadworks - 2000	M2	1,390.00		
Series 6300:	**Steel Reinforcement for Structures**				
63.01	**Steel reinforcement for:**				
63.01	Box culverts including headwalls, wingwalls and aprons on box culverts High Yield Steel reinforcement bars grade 460 to BS 4449.	tonnes	26.00		
Series 6400:	**Series 6400: Concrete for Structures**				
64.01	**Cast in situ concrete:**				
64.01	Class 15 concrete for blinding of Box culverts	m3	14.81		
64.01	Class 30/20 for superstructure of box culvert, headwalls, aprons, guardrail, retaining walls and wings walls of minor structures concretes for box culverts, using ordinary	m3	243.00		
66.19 (b)	Drainage pipes and weep holes: 75 mm Diameter UPVC weepholes to box culverts	m	84.00		
PART C: OFFICE BUILDING - GUARD HUTS					
BILL No 4	**EXTERNAL WORKS**				
1	**GUARD HOUSE**				
ELEMENT No. 1	**SUBSTRUCTURE (ALL PROVISIONAL)**				
1	**Excavation and Earthworks;**				
A	Excavate over site to remove vegetable soil commencing at ground level average depth 150mm; deposit in spoil heaps and cart away from site.	M2	7.50		
B	Excavate over site average 150mm deep to remove vegetable soil and remove from site	M3	7.50		
C	Excavate foundation trench commencing at stripped level and not exceeding 1.50 metres deep.	M3	9.92		

E	Backfilling of imported materials around foundations well rammed and consolidated.	M2	3.00		
F	Load up surplus excavated material and remove from site	M2	7.50		
2	**Disposal of water:**				
A	Allow for keeping excavations free from general water (except spring or running water by any means necessary.	Item	1.00		
3	**Planking and strutting.**				
A	Allow for provision and subsequent removal of planking and strutting to uphold and maintain all faces of excavations.	Item	1.00		
4	**Hardcore**				
A	150mm. thick bed; leveled; compacted and blinded to receive polythene membrane (m/s).	M2	4.73		
5	**Soil sterilization:**				
A	Gamma 20 solution or equal and approved; applied at a rate of 450ml per square metre over all surfaces (Hard Landscape) as per manufacturer's specifications ad Engineer's instruction.	M2	4.72		
B	Ditto; at 300mm. width to 600mm. deep backfilling to one external side of foundations.	M	14.00		
6	**Damp proof membrane:**				
A	500 Gauge polythene damp proof membranes in two layers laid on blinded hardcore bed surfaces.	M2	8.25		
7	**CONCRETE WORK**				
C	Plain insitu concrete grade '10' in 50mm Thick blinding	M3	5.00		
D	Reinforced/Plain concrete grade '25' including vibrating around reinforcements with fair surface finish in: Foundations footing	M3	1.13		
E	Ground beams	M3	0.97		
iv)	**Reinforced in-situ concrete grade ‘25’; vibrated; including vibrating around reinforcements:**				
F	100mm Thick bed	M2	6.50		
G	STEPS	M3	0.27		
H	Column footing	M3	5.18		
J	Columns	M3	0.14		
8	**REINFORCEMENTS.**				
i)	**Mild steel reinforcement bars to B.S. 4449:1969**				
H	Fabric mesh reinforcements to BS 4483 ref. A 252 R8-200mm both directions laid in concrete bed	Kg	27.00		
ii	**High tensile bar; BS 4461, 1969 including bends, hooks, tying wire, ordinary spacers and distance blocks:**				

A	12 mm diameter	Kg	47.50		
C	8 mm diameter	Kg	28.50		
9	**Formwork**				
i)	**Sawn formworks to,**				
K	Vertical sides of strip foundation in trenches	M2	3.22		
L	Vertical sides of ground beam	M2	4.41		
M	Edges of bed over 75mm but not exceeding 150mm wide	M	7.00		
N	Vertical sides of columns bases	M2	4.32		
P	Vertical sides of columns	M2	2.39		
10	**Blockwork;**				
i)	**Solid concrete blocks to 5N/mm2 strength; bedded and jointed in cement and sand mortar (1:4)**				
A	Solid concrete blocks to B.S. 6073; type A; 7.0N per square millimeter average compressive strength; bedded and jointed in class (iii) mortar: 230mm Foundation wall	M2	9.45		
11	**Damp Proof Coarse:**				
B	500 Gauge polythene damp proof membrane laid over blinded hardcore with minimum of 150mm side laps	M2	8.25		
C	Hessian based bitumen damp proof course to BS 743 type 5A 230mm wide laid horizontally on blockwork	M	7.00		
D	Sundries 15mm Thick water proof plaster using water proof solution mixed with Cement and sand mortar to approved manufacturer ratio applied externally to plinth wall on concrete or blockwork base	M2	4.20		
12	**Finishing:**				
i)	**Render; cement and sand (1:3); trowel led**				
A	Prepare and apply three coats of black bituminous paint to rendered plinth wall externally	M2	4.20		
ii)	**Prepare and apply two coats of black bituminous paint on**				
A	Rendered surfaces to plinth.	M2	4.20		
ELEMENT No. 2	**FRAMES**				
a)	**CONCRETE WORK.**				
i)	**Reinforced in-situ concrete grade ‘25’; vibrated; including vibrating around reinforcements.**				
F	Suspended Beams/Horizontal Beams	M3	0.93		
G	Columns	M3	0.32		
H	Window shade	M3	0.16		
J	150mm thick Roof slab	M2	11.00		
K	150 x 50mm thick coping	M	9.50		
L	100mm thick parapet wall	M2	5.50		
b)	**REINFORCEMENTS (FRAMES).**				

i)	**High tensile bar reinforcement steel bars to B.S 4461:1969 including bends, hooks, tying wire, spacers and distance blocks**				
A	16mm Diameter	Kg	517.00		
C	8mm Diameter	Kg	87.50		
c)	**Formworks.**				
i)	**Formwork Marine boards to:**				
A	Vertical sides of parapet wall	M2	5.50		
B	Sides and soffits of horizontal beams;	M2	7.00		
C	Vertical sides of columns;	M2	1.50		
D	Soffits of roof slab	M2	11.00		
E	Soffits of window shade	M2	1.50		
ELEMENT No. 3	**WALLING;**				
a)	**BLOCK WORK:**				
i)	**Solid cement and sand blocks with strength of 5MPa: bedded and jointed in cement/sand mortar.**				
B	150mm thick; walls	M2	6.00		
A	230mm thick walls	M2	14.00		
H	Precast concrete grade “25” including hoisting to position and bedding and pointing with cement mortar (1:4) 530mmx 75mm Cill weathered, throated and finished fair all round	M	2.50		
ELEMENT No. 5	**DOORS**				
a)	**WOOD WORK.**				
i)	**Prime quality hardwood paneled doors**				
A	40mm Thick; 800 x 2100mm high; comprising of 45x120mm rebated stiles; top and middle rails; 45 x 200mm bottom rail; divided into two panels; all panel filled in with and including 95x25mm hardwood boardings T&G jointed.	No	1.00		
B	Frames and finishings 45 x 145mm Frame with one labours, fixed to ground	M	6.00		
D	Ditto; 45 x 145mm Transome	M	1.00		
E	Ditto; 13 x 15mm Glazing beads	M	2.50		
F	Ditto; 20 x 50mm Moulded architrave	M	6.00		
G	Sawn hardwood third grade 25 x 100mm Grounds, plugged	M	6.00		
b)	**Frame and Finishing**				
i)	**Sawn Hardwood**				
c)	**Glazing**				
i)	**5mm. thick toughed clear glass fixed with hardwood beads (m/s)**				
A	Panes over 0.5m2 not exceeding 1.0 m2	M2	0.48		
B	ALUMINIUM WINDOWS METALWORK Supply and fix composite	No	1.00		

	window unit comprising of 6mm thick one way reflective glass panes on natural anodised aluminium framing, sliding or hinged and fixed casement including all accessories and ironmongery, cutting and pinning lugs and bedding frame in cement mortar and sealing surrounds with approved mastic to approved manufacturer's specification and as per architect drawings				
C	Ditto: Window size 1300 x 600mm high	No	1.00		
d)	**IRON MONGERY:**				
i)	**Supply and fix the following ironmongery to hardwood HAFELLE or equal and approved; to hardwood with matching screws.**				
H	Two lever cylinder mortice lock Hafele Latchbolt "Satin chrome plated reversible" art no.911.50.788 complete with handle	No	1.00		
J	Pairs of Butt Hinge 4"x3"x3mm SSS stainless steel satin	Prs	3.00		
K	Half Cylinder mortice lock with thumb turn stainless steel satin	No	1.00		
L	Half moon satin finish stainless steel door stopper cat no.937.52.070	No	1.00		
M	Flush bolts	No	1.00		
N	Door closer	No	1.00		
ELEMENT No. 7	**FINISHINGS.**				
a)	**Floor finish:(Tiles, slab or block finishings:)**				
i)	**Porcelain tiles; ROCA with cushion edges; BS 1281; fixed to bed with adhesives and pointed with5mm wide colured tile grout:**				
E	Porcelain tiles ex- Italy with cushion edges fixed to screed with approved adhesives and pointed with coloured grout 10mm Tiling to floors	M2	4.50		
F	10mm tiles to Skirting 100mm high with rounded edge and coved junction with paving	M2	4.50		
G	10mm tiles to Treads, 300mm wide with non-slip material on top	M	4.00		
H	10mm tiling to Risers 150mm wide with rounded nosing and coved junction with treads	M	4.00		
ii)	**Beds and backing; one coat work; cement and sand (1:4); wood floated.**				
b)	**Wall finish.**				
i)	**Internal plastering in two coats, steel trowelled too smooth finish; first coat consisting of cement, lime putty and sand in (1:2:9); finishing coat cement and lime (1:10):**				
J	Plastering in two coats steel trowelled to smooth finish 15mm To Walls	M2	12.50		
K	15mm To soffit of slab	M2	11.00		
L	15mm To sides and soffits of beams	M2	7.00		
M	15mm To vertical sides of columns	M2	2.00		

N	15mm to Vertical sides of parapet wall	M2	11.00		
P	15mm to Soffits of window shade	M2	1.50		
ii)	**External cement sand (1:4) rendering with approved plasticizer trowelled smooth:**				
E	Rendering in two coats steel troweled to a smooth finish 15mm To walls	M2	7.00		
iii)	**Tiles; slab or block finishing:**				
a)	**Ceramic wall tiles ROCA with cushion edges; BS 1281;fixed to backing with adhesives and pointed with approved tile grout:**				
A	Glazed ceramic wall tiles with cushion edges to Bs 1281 fixed to backings with adhesive and pointing with white cement 10mm Tiling to walls	M2	7.50		
B	Cut and fit around small pipes, bars and the like	Item	1.00		
b)	**Beds and backing; one coat work; cement and sand (1:4); wood floated,**				
C	Beds and Backings Cement and sand (1:4) wood floated surface finish 30mm Backing to receive floor tiles	M2	3.15		
D	12mm Backing to receive wall tiles	M2	7.50		
ELEMENT No. 8	**PAINTING AND DECORATING.**				
a)	**INTERNAL WORK**				
i)	**Prepare and apply one thinned coat and two full coats of silk acrylic emulsion paint as per the Architect's approval on:**				
F	Prepare and apply one thinned coat and two full coats of vinyl silk paint To plastered walls	M2	12.50		
G	To plastered soffits of slab	M2	11.00		
H	To plastered sides and soffits of beams	M2	7.00		
J	To vertical sides of columns	M2	2.00		
K	To Vertical sides of parapet wall	M2	11.00		
L	To Soffits of window shade	M2	1.50		
b)	**EXTERNAL WORK.**				
i)	**Prepare and apply one undercoat and two full coats of weather guard paint on:.**				
A	To rendered walls	M2	7.00		
ELEMENT No. 6	**WINDOWS.**				
a)	**ALUMINIUM WINDOWS**				
i)	**Composite Single glazed laminated glass Aluminium window units; as microns manufactured to Architects satisfaction finished with 21 microns silver anodized Aluminium alloy; matt finished; including assembling as necessary, bedding frame in proprietary bedding compound. pointing externally with mastic and stripping protective tape from Aluminium frame with and including mullions, transoms and unblocking devices where necessary;including mosquito gauze (Actual size of the window to be stated in the description)**				
PART C: OFFICE BUILDING - ELECRICAL INSTALLATION					
BILL No 3	**MEASURED WORKS**				
ELEMENT No.9	**ELECTRICAL INSTALLATIONS**				

i	**Supply and install the following:**				
a	LOW VOLTAGE (LV) MAIN CIRCUITS INSTALLATIONS Supply from Transformer to Main Distribution board DBA; cables through trench 4core x 35mm² XLPE/SWA/PVC/Cu cable	m	60.00		
b.	Supply from Generators to Main Distribution board DBA cables through trench 4core x 35mm² XLPE/SWA/PVC/Cu cable	m	60.00		
c.	Supply from Main Distribution board (DBA) to UPS and then to Clean Power Distribution Board DBU cables through trench 3core x 10mm² XLPE/SWA/PVC/Cu cable	m	10.00		
d.	Supply from Main Distribution board (DBA) to First floor Distribution Board DBF cable through tray/ladder 4core x 16mm² PVC/SWA/PVC/Cu cable	m	15.00		
	Supply from Main panel board toExternal use and pump Distribution Board (DBP) cable through tray/ladder 4core x 16mm² PVC/SWA/PVC/Cu cable	m	60.00		
f.	Ditto; 4core x 6mm² PVC/SWA/PVC/Cu cable for fire fighting pump	m	20.00		
g.	Ditto; 4core x 6mm² PVC/SWA/PVC/Cu cable for booster water pump	m	20.00		
h.	Ditto; 4core x 4mm² PVC/SWA/PVC/Cu cable for external lights	m	40.00		
a.	MAIN CIRCUITS COMPONENTS Provide for Coordination with other trade and TANESCO for application, supply and installation of new 33kV service line and 125A, 400V TP&N digital metering unit c/w all necessary installation accessories	Item	1.00		
b.	Supply and install 100kVA, 33/0.4kV, 50Hz, DYN11, Delta-star Transformer with transformation ratio adjustment +/- 2x2.5%; poles mounted complete with all necessary installation accessories and earthing system with not more than 1ohm	Nr	1.00		
a.	Supply and fix the following circuit components and accessories to surface and backgrounds requiring plugging; MERLIN GERIN form 4 type B or similar approved with sheet steel case; fully shrouded; Supply and install 10 ways 125A TP&N distribution board (DBA) integral with 125A TPN MCCB and 25kA surge arrestor complete with all MCCBs and accessories as per drawings	Nr	1.00		
b.	Supply and install 6 ways 63TP&N weather proof distribution panel (DBF) integral with 63A TPN RCD incomer and outgoing devices three phase MCCBs and all accessories as per drawings	Nr	1.00		

c.	Supply and install 6 ways 63TP&N weather proof distribution panel (DBP) integral with 63A TPN RCD incomer and outgoing devices three phase MCCBs and all accessories as per drawings	Nr	1.00		
d.	Supply and install 4 ways 45A TP&N distribution board (DBU) integral with 45A TPN MCCB and 25kA surge arrestor complete with all MCCBs and accessories as per drawings	Nr	1.00		
a.	EARTHING Supply and installation of Earth protection system for the Transformer Earth chamber with all necessary earth high voltage conductivity electrodes with drive head assemblies and earthing clamps with link to 2 x 1c x 25mm² Copper cable PVC Yellow/Green for neutral terminal and separate earth chamber with link to 1c x 10mm² copper PVC Yellow/Green for transformer casing; Each chamber to have total resistance of not more than 1ohm	Item	1.00		
b.	Supply and installation of Earth protection system for the DBA Two earth chambers spaced at minimum of 6meters with all necessary earth high voltage conductivity electrodes with drive head assemblies and earthing clamps with link to Ligthning air terminal and 1cx25mm² Copper cable PVC Yellow/Green; the total resistance of each earth chamber to be not more than 1ohm	Item	1.00		
c.	1core x 16mm² Copper cable PVC Yellow/Green; for the DBF and DBP earthing from DBA	m	60.00		
d.	1core x 10mm² Copper cable PVC Yellow/Green; for the DBU earthing from DBA	m	10.00		
a.	FINAL SUB - CIRCUITS AND AUXILIARY INSTALLATIONS Supply to accessories and equipment ; 3 x 1core x 1.5mm² core PVC/Copper cable and upvc conduit ; bends etc, from the switches to the lights lighting circuits ; light points ; in 78 Nr.	Nr	78.00		
b.	to lighting switch circuits; one gang one way; in 22 Nr.	Nr	22.00		
c.	lighting switch circuits; one gang two way; in 6 Nr.	Nr	6.00		
d.	lighting switch circuits; two gang one way; in 7Nr.	Nr	7.00		
a.	3 x 1core x 2.5mm² PVC/copper cable and upvc conduit ; bends etc, from the distribution boards to the outlets Power outlets circuits ; socket outlet points in 98 Nr	Nr	98.00		
b.	Air conditioning circuits ; DP outlet points in 19 Nr	Nr	19.00		

c.	Hand driers circuits ; DP outlet points in 4 Nr	Nr	4.00		
d.	Water heater circuits ; DP outlet points in 2 Nr in the kitchen and washing area	Nr	2.00		
e.	Inline Extract fan circuits ; DP outlet points in 4 Nr	Nr	4.00		
a	Circuits to isolating devices, fuses, etc from the distribution boards to the	Nr	1.00		
a.	ACCESSORIES Switches ; MK Logic Plus Catalogue Reference Nr 10 amp : one gang ; one way Ref K4870 WHI	Nr	22.00		
b.	10 amp : one gang ; two way Ref K4871 WHI	Nr	6.00		
c.	10 amp : two gang ; one way Ref K4872 WHI	Nr	7.00		
a.	Switch sockets; MK Logic Plus Cat.Ref.Nr 2 gang 13A flush switch sockets white in colour as MK	Nr	50.00		
b.	2 gang 13A flush switch sockets Red in colour as MK	Nr	48.00		
c.	Double pole switches ; MK Logic Plus Catalogue Ref. Nr 20 amp ; Ref K 5423 WH1 marked AC units	Nr.	19.00		
d.	20 amp ; Ref K 5423 WH1 marked WH units	Nr	2.00		
e.	20 amp ; Ref K 5423 HD marked WH units	Nr	4.00		
a.	CLEAN POWER SUPPLY Unintrupted power supply for clean power with; main control and indicator panels print-out facility ; 1 hour standby with 20kVA, 3 phases and 230/400V	Nr	1.00		
a.	Supply and fix the following lighting equipments and Luminaires ; complete with lamps tubes or bulbs ;Thorn Catalogue Reference Numbers sap code 96008886 - Type P Horizontal recessed downlight for 2x18W TC-DEL lamps as Thorn Chalice 190H	Nr	16.00		
b.	Surface mounted luminaire for direct lighting c/w 28W with backlit starburst 2D lamp as Lighting Direct Guam NGU/2D/HF/CL - Type D	Nr	19.00		
c.	1200mm surface/ wall mounted luminaire c/w 2x36W T26 Battern linear fluorescent lamps and twin aluminium narrow beam reflector as as Thorn Primata II sap code	Nr	14.00		
d.	96502778 - Type F Recessed downlight 16.8W LEDs c/w remote driver as JCC RAKULA code JCC71192 Type B	Nr.	38.00		
e.	Recessed wall light for step and pathways, stainless cover LED 3.2W as JCC711115 Dolomite - Type Q	Nr	11.00		
f.	DENOTES SURFACE MOUNTED LIGHT	Nr	5.00		

	1X28W 2D AS LIGHTING DIRECT MAXIMO SAP CODE NDY28/2D/HF/WH/9 LIGHT INDIRECT MAXIMO - Type E				
g.	600x600mm LED Slim Panel ECOMAX as Opple	Nr	29.00		
h.	Exit sign single sided as thorn Voyager Elite X SAP CODE 96503790	Nr	4.00		
i.	Exit sign double sided as thorn Voyager Elite SX SAP CODE 96503785 with Legend Sap code 96218882 and accessories Sap code96218865	Nr	2.00		
j.	FINAL CONNECTIONS In accordance with the Specification shrouds and fixing devices to water heaters, fans, etc.	Item	1.00		
k.	LIGHTNING PROTECTION Lightning protection system Provide all necessary earth electrodes copper earthing tape, straps, earth plates, lightining terminals, test clamps and forked conductor rod and link to the main earthing 3mm x 25mm copper strip through the columns	m	150.00		
l.	Excavating trenches in compacted fill to receive above bed and surround; pipes or ducts; 150mm. thick sand bed and surround; backfilling with selected excavated material levelling and compaction in layers; disposal of excavated material off site concrete casting and steel grating cover 500mm wide x average 500mm.deep	m	75.00		
a.	SUNDRIES Provide for all supports fixings anchors insulation blocks and anti vibration devices Provide for all identification plates discs charts and colour coding for Electrical system	Item	1.00		
b.	TESTING AND COMMISSIONING Provide for testing and commissioning the foregoing and requirements described in the Specifications	Item	1.00		
PART C: OFFICE BUILDING -PC AND PROVISION SUMS					
BILL No 2	**PRIME COST AND PROVISIONAL SUMS**				
PC 1	**PRIME COST SUMS**				
	Prime Cost Sum for works to be executed by Local Authority or Public Undertakings				
A	Provide for connection of electrical installation to high tension cable by TANESCO including Builders work for Community facilities as per Suprevising Engineers Instructions.	Ps	1.00	3500000	3,500,000.00
B	Profit and overhead	%			
D	Contractors general attendance.	%			
D	Provide for water connection to water distribution pipe by SUWASA including meter Chamber and installations for Community facilities as per Suprevising	Ps	1.00	3500000	3,500,000.00

	Engineers Instructions.				
E	Profit and overhead	%			
F	Contractors general attendance.	%			
G	Allow for fire alarm and detection system installations by nominated contractor as per Engineer`s design and specification	Ps	1.00	20384500	20,384,500.00
H	Profit and overhead	%			
I	Contractors general attendance.	%			
PC 2	**PROVISIONAL SUMS**				
	The following Provisional sums are for the works or costs which can not entirely be forseen, defined or detailed during the preparation of Bills of Quantities and should be used in whole or in part at the discretion of the Architects.				
B	PROVISIONAL SUMS; PROVIDE THE FOLLOWING SUMS FOR WORK OR COSTS WHICH CANNOT BE ENTIRELY FORESEEN, DEFINED OR DETAILED Signage and Signwriting	Ps	1.00		
A	Fittings and Fixtures	Ps	1.00	40000000	40,000,000.00
B	Provide for two number white boards	Ps	1.00	3000000	3,000,000.00
PART B: SINGIDA MODERN ONION MARKET - PC AND PROVISIONAL SUMS					
BILL No 2	**PRIME COST AND PROVISIONAL SUMS**				
PC 2	**PROVISIONAL SUMS**				
	The following Provisional sums are for the works or costs which can not entirely be forseen, defined or detailed during the preparation of Bills of Quantities and should be used in whole or in part at the discretion of the Architects.				
A	Allow for a Provisional Sum of Amount, to be spent on a descretion of the Project Manager.	Lumpsum	1.00		
PART F: DAYWORK					
SERIES 9000	**DAYWORK RATES**				
1.00	**Labour**				
1.01	Ganger	Hrs	9.00		
1.02	Mechanic	Hrs	8.00		
1.03	Skilled Labourer	Hrs	8.00		
1.04	Tradesman	Hrs	8.00		
1.05	Qualified Quantity Surveyor	Hrs	8.00		
1.06	Qualified Technician	Hrs	8.00		
1.07	Unskilled Labourers	Hrs	9.00		
2.00	**Material**				
2.01	Petrol	ltr	100.00		
2.02	Diesel	ltr	350.00		
2.03	Lubricant	kg	50.00		
2.04	MC-30 Cut back Bitumen	tonne	5.00		
2.05	Road Paint	ltr	40.00		
2.06	Portland Cement	ton	10.00		

2.07	Slaked Road Lime	tonne	2.00		
2.08	Fine aggregate for concrete	m3	10.00		
2.09	40mm single sized crushed aggregate	m3	5.00		
2.10	20mm single sized crusehd aggregate	m3	5.00		
2.11	14mm single sized crushed aggregate	m3	2.00		
2.12	Fine sand	m3	40.00		
2.13	Mild reinforcement (Grade 250 to BS 4449)	tone	15.00		
2.14	High yield steel reinforcement (Grade 460 to BS 4449)	tone	20.00		
3.00	**Equipment**				
3.01	Bulldozer 70kw	Hrs	8.00		
3.02	Motor grader	Hrs	8.00		
3.03	Hydraulic excavator	Hrs	8.00		
3.04	Track type loader 80kw	Hrs	6.00		
3.05	Backhoe	Hrs	6.00		
3.06	Wheel Loader	Hrs	6.00		
3.07	Air compressor 5000 l/min (complete with tools)	Hrs	6.00		
3.08	Generator 15kw	Hrs	6.00		
3.09	Motor blower	Hrs	6.00		
3.10	Dumper truck 20t	Hrs	8.00		
3.11	Tipper 15-20t	Hrs	8.00		
3.12	Concrete Vibrator 35mm diameter	Hrs	8.00		
3.13	Vibrator roller 9t	Hrs	8.00		
3.14	Vibrating hand roller	Hrs	8.00		
3.15	Jackhammer	Hrs	6.00		
3.16	Pickup	Hrs	10.00		
3.17	Concrete mixer 15hp, 0.5m3	Hrs	8.00		
3.18	Water bowser	Hrs	8.00		
3.19	Fuel tanker	Hrs	6.00		
3.20	Water pump 50mm transifugal	Hrs	6.00		
3.21	Crane truck	Hrs	6.00		

Summary

SERIES 2000 DRAINAGE	**0.00**
SERIES 3000 EARTHWORKS AND PAVEMENT LAYERS OF GRAVEL OR CRUSHED STONE	**0.00**
SERIES 5000 ANCILLARY ROADWORKS	**0.00**
SERIES 6000 STRUCTURES	**0.00**
SERIES 8000 STREET LIGHTS	**0.00**
BILL No 2 PRIME COST AND PROVISIONAL SUMS	**0.00**

SERIES 4000 BITUMINOUS LAYERS AND SEALS	**0.00**
SERIES 1000 GENERAL	**0.00**
BILL No 3 MEASURED WORKS	**0.00**
BILL No 4 EXTERNAL WORKS	**0.00**
BILL NO. 3 MEASURED WORKS	**0.00**
SERIES 9000 DAYWORK RATES	**0.00**
A. Total of Bills	**2,653,469,773.00**
B. Less Specified Provisional Sum	2,653,469,773.00
C. SUB TOTAL [(A) - (B)]	0.00
D. ADD Provisional Sum of Physical Contingency	0.00
E. SUB TOTAL [(C) + (D)]	0.00
F. ADD Provisional Sum of Variation of Prices	0.00
G. Sub Total [(E) + (F)]	0.00
H. ADD Value Added Tax (VAT) [18% of G]	0.00
I. Bid Price [(A) + (D) +(F) + (H)] Carried to the Form of Tender	**2,653,469,773.00**

PART 3 – CONDITIONS OF CONTRACT AND CONTRACT FORMS

SECTION VIII: GENERAL CONDITIONS OF CONTRACT

These General Conditions of Contract (GCC), read in conjunction with the particular conditions of Contract (PCC) and other documents listed therein, should be a complete document expressing fairly the rights and obligations of both parties.

These General Conditions of Contract have been developed on the basis of considerable international experience in the drafting and management of contracts, bearing in mind a trend in the construction industry towards simpler, more straight forward language.

The GCC can be used for both smaller admeasurement contracts and lump sum contracts.

A: GENERAL

1. Definition	1.1	Boldface type is used to identify defined terms. (a) The **Accepted Contract Amount** means the amount accepted in the Letter of Acceptance for the execution and completion of the Works and the remedying of any defects. (b) The **Activity Schedule** is a schedule of the activities comprising the construction, installation, testing, and commissioning of the Works in a lump-sum contract. It includes a lump-sum price for each activity, which is used for valuations and for assessing the effects of Variations and Compensation Events. (c) The **Adjudicator is** the person appointed jointly by the Employer and the Contractor to resolve disputes in the first instance, as provided for in GCC 23. (d) **Bank** means the financing institution named in the **PCC.** (e) **Bill of Quantities** means the priced and completed Bill of Quantities forming part of the Bid. (f) **Compensation Events** are those defined in GCC Clause 42 hereunder. (g) The **Completion Date** is the date of completion of the Works as certified by the Project Manager, in accordance with GCC Sub-Clause 57.1. (h) The **Contract** is the Contract between the Employer and the Contractor to execute, complete, and maintain the Works. It consists of the documents listed in GCC Sub-Clause 2.3 below. (i) The **Contractor** is the party whose Bid to carry out the Works has been accepted by the Employer. (j) The **Contractor's Bid** is the completed bidding document submitted by the Contractor to the Employer. (k) The **Contract Price** is the Accepted Contract Amount stated in the Letter of Acceptance and thereafter as adjusted in accordance with the Contract. (l) **Days** are calendar days; months are calendar months. (m)**Dayworks** 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. (n) A **Defect** is any part of the Works not completed in accordance with the Contract. (o) The **Defects Liability Certificate** is the certificate issued by Project Manager upon correction of defects by the Contractor. (p) The **Defects Liability Period** is the period named in the **PCC** pursuant to GCC Sub-Clause 38.1 and calculated from the Completion Date. (q) **Drawings** means the drawings of the Works, as included in the Contract, and any additional and modified drawings issued by (or on behalf of) the Employer in accordance with the Contract, include calculations and other information provided or approved by the Project Manager for the execution of the Contract. (r) The **Employer** is the party who employs the Contractor to carry out the Works, as specified in the PCC. (s) **Equipment** is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works. (t) "**In writing**" or "**written"** means hand-written, type-written, printed or electronically made, and resulting in a permanent record; (u) The **Initial Contract Price** is the Contract Price listed in the Employer's Letter of Acceptance. (v) The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The **Intended Completion Date** is specified in the PCC. The **Intended Completion Date** may be revised only by the Project Manager by issuing an extension of time or an acceleration order. (w) **Materials** are all supplies, including consumables, used by the

		Contractor for incorporation in the Works. (x) **Plant** is any integral part of the Works that shall have a mechanical, electrical, chemical, or biological function. (y) **The Project Manager** is the person named in the PCC (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. (z) **PCC** means Particular Conditions of Contract. (aa) The **Site** is the area defined as such in the PCC. (bb) **Site Investigation Reports** are those that were included in the bidding document and are factual and interpretative reports about the surface and subsurface conditions at the Site. (cc) **Specification** means the Specification of the Works included in the Contract and any modification or addition made or approved by the Project Manager. (dd) The **Start Date** is given in the **PCC.** It is the latest date when the Contractor shall commence execution of the Works. It does not necessarily coincide with any of the Site Possession Dates. (ee) A **Subcontractor i**s a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract, which includes work on the Site. (ff) **Temporary Works** are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Works. (gg) A **Variation** is an instruction given by the Project Manager which varies the Works. (hh) The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the PCC. (ii) **"Contractor's Personnel"** refers to all personnel whom the Contractor utilizes on the Site or other places where the Works are carried out, including the staff, labor and other employees of each Subcontractor. (jj) **"Key Personnel"** means the positions (if any) of the Contractor's personnel that are stated in the Specification. (kk) **"ES"** means Environmental and Social (including Sexual Exploitation and Abuse (**SEA),** and Sexual Harassment (**SH));** (ll) "Sexual Exploitation and Abuse" "(**SEA)"** means the following: **Sexual Exploitation** is defined as any actual or attempted abuse of position of vulnerability, differential power or trust, for sexual purposes, including, but not limited to, profiting monetarily, socially or politically from the sexual exploitation of another. In Bank financed operations/projects, sexual exploitation occurs when access to or benefit from a Bank financed Goods, Works, Non-consulting Services or Consulting Services is used to extract sexual gain; Sexual Abuse is defined as the actual or threatened physical intrusion of a sexual nature, whether by force or under unequal or coercive conditions; (mm) **"Sexual Harassment" "(SH)" is** defined as unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature by the Contractor's Personnel with other Contractor's or Employer's Personnel; and (nn) **"Employer's Personnel"** refers to the Project Manager and all other staff, labor and other employees (if any) of the Project Manager and of the Employer engaged in fulfilling the Employer's obligations under the Contract; and any other personnel identified as Employer's Personnel, by a notice

		from the Employer or the Project Manager to the Contractor.
2. Interpretation	2.1	In interpreting these GCC, words indicating one gender include all genders. Words indicating the singular also include the plural and words indicating the plural also include the singular. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Project Manager shall provide instructions clarifying queries about these GCC.
	2.2	If sectional completion is specified in the PCC, references in the GCC 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: (a) Agreement, (b) Letter of Acceptance, (c) Letter of Bid, (d) Particular Conditions of Contract, (e) General Conditions of Contract, including Appendices, (f) Specification, (g) Drawings, (h) Bill of Quantities, and (i) any other document **listed in the PCC** as forming part of the Contract.
3. Language and Law	3.1	The language of the Contract and the law governing theContract are stated in the **PCC**.
	3.2	Throughout the execution of the Contract, the Contractor shall comply with the import of goods and services prohibitions in the Employer's country when: (a) as a matter of law or official regulations, the Borrower's country prohibits commercial relations with that country; or (b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower's Country prohibits any import of goods from that country or any payments to any country, person, or entity in that country.
4. Project Manager's Decisions	4.1	Except where otherwise specifically stated, the Project Manager shall decide contractual matters between the Employer and the Contractor in the role representing the Employer.
5. Delegation	5.1	Unless otherwise specified in the PCC, the Project Manager may delegate any of his duties and responsibilities to other people, except to the Adjudicator, after notifying the Contractor, and may revoke any delegation after notifying the Contractor.
6. Communications	6.1	Communications between parties that are referred to in the Conditions shall be effective only when in writing. A notice shall be effective only when it is delivered.
7. Subcontracting	7.1	The Contractor may subcontract with the approval of the Project Manager but may not assign the Contract without the approval of the Employer in writing. Subcontracting shall not alter the Contractor's obligations. The Contractor shall require that its Subcontractors execute the Works in accordance with the Contract, including complying with the relevant ES requirements and the obligations set out in Sub-Clause 28.1
	7.2	Submision by the Contractor for approval of the Project Manager, addition of any Subcontractor not named in the Contract, shall also include the Subcontractor's declaration in accordance with Appendix C- Sexual exploitation and Abuse (SEA) and/or Sexual Harassment (SH) Performance Declaration

8. Other Contractors	8.1	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 PCC**. 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.
	8.2	The Contractor shall also, as stated in the Specification or as instructed by the Project Manager, cooperate with and allow appropriate opportunities for the Employer's or any other personnel, notified to the Contractor by the Employer or Project Manager, to conduct any environmental and social assessment.
9. Personnel and Equipment	9.1	The Contractor shall employ the Key Personnel and use the Equipment identified in its Bid, to carry out the Works or other personnel and Equipment approved by the Project Manager. The Project Manager shall approve any proposed replacement of Key Personnel and Equipment only if their relevant qualifications or characteristics are substantially equal to or better than those proposed in the Bid.
	9.2	The Project Manager may require the Contractor to remove (or cause to be removed) any person employed on the Site or Works, including the Key Personnel (if any), who: (a) persists in any misconduct or lack of care; (b) carries out duties incompetently or negligently; (c) fails to comply with any provision of the Contract; (d) persists in any conduct which is prejudicial to safety, health, or the protection of the environment; (e) based on reasonable evidence, is determined to have engaged in Fraud and Corruption during the execution of the Works; (f) has been recruited from the Employer's Personnel; (g) undertakes behavior which breaches the Code of Conduct for Contractor's Personnel (ES). If appropriate, the Contractor shall then promptly appoint (or cause to be appointed) a suitable replacement with equivalent skills and experience. Notwithstanding any requirement from the Project Manager to remove or cause to remove any person, the Contractor shall take immediate action as appropriate in response to any violation of (a) through (g) above. Such immediate action shall include removing (or causing to be removed) from the Site or other places where the Works are being carried out, any Contractor's Personnel who engages in (a), (b), (c), (d), (e) or (g) above or has been recruited as stated in (f) above.
	9.3	The Contractor shall take all necessary safety measures to avoid the occurrence of incidents and injuries to any third party, associated with the use of, if any, Equipment on public roads or other public infrastructure. The Contractor shall monitor road safety incidents and accidents to identify negative safety issues, and establish and implement necessary measures to resolve them.
	9.4	**Labor**
		9.4.1 Engagement of Staff and Labor. The Contractor shall provide and employ on the Site for the execution of the Works such skilled, semi-skilled and unskilled labor as is necessary for the proper and timely execution of the Contract. The Contractor is encouraged, to the extent practicable and reasonable, to employ staff and labor with appropriate qualifications and experience from sources within the Country. Unless otherwise provided in the Contract, the Contractor shall be responsible for the recruitment, transportation, accommodation and welfare facilities in accordance with GCC Sub-Clause 9.4.6, of the Contractor's Personnel, and for all payments in connection therewith.

		The Contractor shall provide the Contractor's Personnel information and documentation that are clear and understandable regarding their terms and conditions of employment. The information and documentation shall set out their rights under relevant labor laws applicable to the Contractor's Personnel (which will include any applicable collective agreements), including their rights related to hours of work, wages, overtime, compensation and benefits, as well as those arising from any requirements in the Specification. The Contractor's Personnel shall be informed when any material changes to their terms or conditions of employment occur.
		9.4.2 Conditions of Labor. The Contractor shall inform the Contractor's Personnel about: (a) any deduction to their payment and the conditions of such deductions in accordance with the applicable laws or as stated in the Specification; and (b) their liability to pay personal income taxes in the Country in respect of such of their salaries, wages, allowances and any benefits as are subject to tax under the laws of the Country for the time being in force. The Contractor shall perform such duties in regard to such deductions thereof as may be imposed on him by such laws. Where required by applicable laws or as stated in the Specification, the Contractor shall provide the Contractor's Personnel written notice of termination of employment and details of severance payments in a timely manner. The Contractor shall have paid the Contractor's Personnel (either directly or where appropriate for their benefit) all due wages and entitlements including, as applicable, social security benefits and pension contributions, on or before the end of their engagement/ employment.
		9.4.3 The Contractor may bring into the Country any foreign personnel who are necessary for the execution of the Works to the extent allowed by the applicable Laws. The Contractor shall ensure that these personnel are provided with the required residence visas and work permits. The Employer will, if requested by the Contractor, use its best endeavors in a timely and expeditious manner to assist the Contractor in obtaining any local, state, national, or government permission required for bringing in the Contractor's personnel.
		9.4.4 The Contractor shall at its own expense provide the means of repatriation to and the Contractor's Personnel employed on the Contract at the Site to their various home countries. It shall also provide suitable temporary maintenance of all such persons from the cessation of their employment on the Contract to the date programmed for their departure. In the event that the Contractor defaults in providing such means of transportation and temporary maintenance, the Employer may provide the same to such personnel and recover the cost of doing so from the Contractor.
		9.4.5 Disorderly conduct. The Contractor shall at all times during the progress of the Contract use its best endeavors to prevent any unlawful, riotous or disorderly conduct or behavior by or amongst the Contractor's Personnel.
		9.4.6 Facilities for Staff and Labor. Except as otherwise stated in the Specification, the Contractor shall provide and maintain all necessary accommodation and welfare facilities for the Contractor's Personnel. If stated in the Specification, the Contractor shall give access to or provide services that

		accommodate the physical, social and cultural needs of the Contractor's Personnel. The Contractor shall also provide similar facilities for the Employer's Personnel if stated in the Specification.
		9.4.7 The Contractor shall, in all dealings with the Contractor's Personnel, pay due regard to all recognized festivals, official holidays, religious or other customs and all local laws and regulations pertaining to the employment of labor. The Contractor shall provide the Contractor's Personnel annual holiday and sick, maternity and family leave, as required by applicable laws or as stated in the Specification.
		9.4.8 Supply of Foodstuffs. The Contractor shall arrange for the provision of a sufficient supply of suitable food as may be stated in the Specification at reasonable prices for the Contractor's Personnel for the purposes of or in connection with the Contract.
		9.4.9 Supply of Water. The Contractor shall, having regard to local conditions, provide on the Site an adequate supply of drinking and other water for the use of the Contractor's Personnel.
		9.4.10 Measures against Insect and Pest Nuisance. The Contractor shall at all times take the necessary precautions to protect the Contractor's Personnel employed on the Site from insect and pest nuisance, and to reduce the danger to their health. The Contractor shall comply with all the regulations of the local health authorities, including use of appropriate insecticide.
		9.4.11 Alcoholic Liquor or Drugs. The Contractor shall not, otherwise than in accordance with the laws of the Country, import, sell, give, barter or otherwise dispose of any alcoholic liquor or drugs, or permit or allow importation, sale, gift, barter or disposal thereto by Contractor's Personnel.
		9.4.12 Arms and Ammunition. The Contractor shall not give, barter, or otherwise dispose of, to any person, any arms or ammunition of any kind, or allow Contractor's Personnel to do so.
		9.4.13 Funeral Arrangements. The Contractor shall be responsible, to the extent required by local regulations, for making any funeral arrangements for any of its local employees who may die while engaged upon the Works.
		9.4.14 Forced Labor. The Contractor, including its Subcontractors, shall not employ or engage forced labor. Forced labor consists of any work or service, not voluntarily performed, that is exacted from an individual under threat of force or penalty, and includes any kind of involuntary or compulsory labor, such as indentured labor, bonded labor or similar labor-contracting arrangements. No persons shall be employed or engaged who have been subject to trafficking. Trafficking in persons is defined as the recruitment, transportation, transfer, harboring or receipt of persons by means of the threat or use of force or other forms of coercion, abduction, fraud, deception, abuse of power, or of a position of vulnerability, or of the giving or receiving of payments or benefits to achieve the consent of a person having control over another person, for the purposes of exploitation.
		9.4.15 Child Labor. The Contractor, including its Subcontractors, shall not employ or engage a child under the age of 14 unless the national law specifies a higher age (the minimum age). The Contractor, including its Subcontractors, shall not employ or engage a child between the minimum age and the age of 18 in a manner that is likely to be hazardous, or to

		interfere with, the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral, or social development. The Contractor including its Subcontractors, shall only employ or engage children between the minimum age and the age of 18 after an appropriate risk assessment has been conducted by the Contractor with the Project Manager's approval. The Contractor shall be subject to regular monitoring by the Project Manager that includes monitoring of health, working conditions and hours of work. Work considered hazardous for children is work that, by its nature or the circumstances in which it is carried out, is likely to jeopardize the health, safety, or morals of children. Such work activities prohibited for children include work: (a) with exposure to physical, psychological or sexual abuse; (b) underground, underwater, working at heights or in confined spaces; (c) with dangerous machinery, equipment or tools, or involving handling or (d) transport of heavy loads; (e) in unhealthy environments exposing children to hazardous substances, agents, or processes, or to temperatures, noise or vibration damaging to health; or (f) under difficult conditions such as work for long hours, during the night or in confinement on the premises of the employer.
		9.4.16 Employment Records of Workers. The Contractor shall keep complete and accurate records of the employment of labor at the Site. The records shall include the names, ages, genders, hours worked, and wages paid to all workers. These records shall be summarized on a monthly basis and submitted to the project Manager.
		9.4.17 Workers' Organizations. In countries where the relevant labor laws recognize workers' rights to form and to join workers' organizations of their choosing and to bargain collectively without interference, the Contractor shall comply with such laws. In such circumstances, the role of legally established workers' organizations and legitimate workers' representatives will be respected, and they will be provided with information needed for meaningful negotiation in a timely manner. Where the relevant labor laws substantially restrict workers' organizations, the Contractor shall enable alternative means for the Contractor's Personnel to express their grievances and protect their rights regarding working conditions and terms of employment. The Contractor shall not seek to influence or control these alternative means. The Contractor shall not discriminate or retaliate against the Contractor's Personnel who participate, or seek to participate, in such organizations and collective bargaining or alternative mechanisms. Workers' organizations are expected to fairly represent the workers in the workforce.
		9.4.18 Non-Discrimination and Equal Opportunity. The Contractor shall not make decisions relating to the employment or treatment of Contractor's Personnel on the basis of personal characteristics unrelated to inherent job requirements. The Contractor shall base the employment of Contractor's Personnel on the principle of equal opportunity and fair treatment, and shall not discriminate with respect to any aspects of the employment relationship, including recruitment and hiring, compensation (including wages and

		benefits), working conditions and terms of employment, access to training, job assignment, promotion, termination of employment or retirement, and disciplinary practices. Special measures of protection or assistance to remedy past discrimination or selection for a particular job based on the inherent requirements of the job shall not be deemed discrimination. The Contractor shall provide protection and assistance as necessary to ensure non-discrimination and equal opportunity, including for specific groups such as women, people with disabilities, migrant workers and children (of working age in accordance with GCC Sub-Clause 9.4.15).
		9.4.19 Contractor's Personnel Grievance Mechanism. The Contractor shall have a grievance mechanism for Contractor's Personnel, and where relevant the workers' organizations stated in GCC Sub-Clause 9.4.17, to raise workplace concerns. The grievance mechanism shall be proportionate to the nature, scale, risks and impacts of the Contract. The mechanism shall address concerns promptly, using an understandable and transparent process that provides timely feedback to those concerned in a language they understand, without any retribution, and shall operate in an independent and objective manner. The Contractor's Personnel shall be informed of the grievance mechanism at the time of engagement for the Contract, and the measures put in place to protect them against any reprisal for its use. Measures will be put in place to make the grievance mechanism easily accessible to all Contractor's Personnel. The grievance mechanism shall not impede access to other judicial or administrative remedies that might be available, or substitute for grievance mechanisms provided through collective agreements. The grievance mechanism may utilize existing grievance mechanisms, providing that they are properly designed and implemented, address concerns promptly, and are readily accessible to Contractor's Personnel. Existing grievance mechanisms may be supplemented as needed with Contract-specific arrangements.
		9.4.20 Training of Contractor's Personnel. The Contractor shall provide appropriate training to relevant Contractor's Personnel on ES aspects of the Contract, including appropriate sensitization on prohibition of SEA and SH, and health and safety training referred to in GCC Sub-Clause 18.2. As stated in the Specification or as instructed by the Project Manager, the Contractor shall also allow appropriate opportunities for the relevant Contractor's Personnel to be trained on ES aspects of the Contract by the Employer's Personnel. The Contractor shall provide training on SEA and SH, including its prevention, to any of its personnel who has a role to supervise other Contractor's Personnel.
10. Employer's and Contractor's Risks	10.1	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.
11. Employer's Risks	11.1	From the Start Date until the Defects Liability 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 by the Works or 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, or due to war or radioactive contamination directly affecting the country where the Works are to be executed.
	11.2	From the Completion Date until the Defects Liability Certificate has been issued, the risk of loss of 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.
12. Contractor's Risks	12.1	From the Starting Date until the Defects Liability 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.
13. Insurance	13.1	The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start Date to the end of the Defects Liability Period, in the amounts and deductibles stated in the **PCC** 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.
	13.2	Policies and certificates for insuranceshall be delivered by the Contractor to the Project Manager for the ProjectManager's approval before the Start Date. All such insurance shall provide forcompensation to be payable in the types and proportions of currencies requiredto rectify the loss or damage incurred.
	13.3	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.
	13.4	Alterations to the terms of an insurance shall not be made without the approval of the Project Manager.
	13.5	Both parties shall comply with any conditions of the insurance policies.
14. Site Data	14.1	The Contractor shall be deemed to have examined any Site Data referred to in the **PCC,** supplemented by any information available to the Contractor.
15. Contractor to Construct the Works	15.1	The Contractor shall construct and install the Works in accordance with the Specification and Drawings.
	15.2	If the Contract specifies that the Contractor shall design any part of the permanent Works, the Contractor shall take into the Employer's requirements which may include, if stated in the Specification: (a) designing structural elements of the Works taking into account climate change considerations; (b) applying the concept of universal access (the concept of

		universal access means unimpeded access for people of all ages and abilities in different situations and under various circumstances; and (c) considering the incremental risks of the public's potential exposure to operational accidents or natural hazards, including extreme weather events.
16. The Works to Be Completed by the Intended Completion Date	16.1	The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the Program submitted by the Contractor, as updated with the approval of the Project Manager, and complete them by the Intended Completion Date.
	16.2	The Contractor shall not carry out mobilization to the Site unless the Project Manager gives approval, an approval that shall not be unreasonably delayed, to the measures the Contractor proposes to address environmental and social risks and impacts, which at a minimum shall include applying the Management Strategies and Implementation Plans (MSIPs) and Code of Conduct for Contractor's Personnel submitted as part of the Bid and agreed as part of the Contract. The Contractor shall submit, to the Project Manager for its approval any additional MSIPs as are necessary to manage the ES risks and impacts of ongoing Works. These MSIPs collectively comprise the Contractor's Environmental and Social Management Plan (C-ESMP). The Contractor shall review the C-ESMP, periodically (but not less than every six (6) months), and update it as required to ensure that it contains measures appropriate to the Works. The updated C-ESMP shall be submitted to the Project Manager for its approval.
17. Approval by the Project Manager	17.1	The Contractor shall submit Specification and Drawings showing the proposed Temporary Works to the Project Manager, for his approval.
	17.2	The Contractor shall be responsible for design of Temporary Works.
	17.3	The Project Manager's approval shall not alter the Contractor's responsibility for design of the Temporary Works.
	17.4	The Contractor shall obtain approval of third parties to the design of the Temporary Works, where required.
	17.5	All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Project Manager before this use.
18. Health, Safety and Protection of the Environment	18.1	The Contractor shall be responsible for the safety of all activities on the Site.
	18.2	The Contractor shall: (a) comply with all applicable health and safety regulations and Laws; (b) comply with all applicable health and safety obligations specified in the Contract; (c) take care for the health and safety of all persons entitled to be on the Site and other places, if any, where the Works are being executed; (d) keep the Site and Works clear of unnecessary obstruction so as to avoid danger to these persons; (e) provide fencing, lighting, safe access, guarding and watching of the Works until the issue of the Contract Certificate of Completion; (f) provide any Temporary Works (including roadways, footways, guards and fences) which may be necessary, because of the execution of the Works, for the use and protection of the

		public and of owners and occupiers of adjacent land; (g) provide health and safety training of Contractor's Personnel as appropriate and maintain training records; (h) actively engage the Contractor's Personnel in promoting understanding, and methods for, implementation of health and safety requirements, as well as in providing information to Contractor's Personnel, training on occupational safety and health, and provision of personal protective equipment without expense to the Contractor's Personnel; (i) put in place workplace processes for Contractor's Personnel to report work situations that they believe are not safe or healthy, and to remove themselves from a work situation which they have reasonable justification to believe presents an imminent and serious danger to their life or health; (j) Contractor's Personnel who remove themselves from such work situations shall not be required to return to work until necessary remedial action to correct the situation has been taken. Contractor's Personnel shall not be retaliated against or otherwise subject to reprisal or negative action for such reporting or removal; (k) where the Employer's Personnel, any other contractors employed by the Employer, and/or personnel of any legally constituted public authorities and private utility companies are employed in carrying out, on or near the site, of any work not included in the Contract, collaborate in applying the health and safety requirements, without prejudice to the responsibility of the relevant entities for the health and safety of their own personnel; and (l) establish and implement a system for regular (not less than six-monthly) review of health and safety performance and the working environment. Subject to GCC Sub-Clause 16.2, the Contractor shall submit to the Project Manager for its approval a health and safety manual which has been specifically prepared for the Works, the Site and other places (if any) where the Contractor intends to execute the Works. The health and safety manual shall be in addition to any other similar document required under applicable health and safety regulations and laws. The health and safety manual shall set out all the health and safety requirements under the Contract, (a) which shall include at a minimum: (i) the procedures to establish and maintain a safe working environment without risk to health at all workplaces, machinery, equipment and processes under the control of the Contractor, including control measures for chemical, physical and biological substances and agents; (ii) details of the training to be provided, records to be kept; (iii) the procedures for prevention, preparedness and response activities to be implemented in the case of an emergency event (i.e. an unanticipated incident, arising from both natural and man-made hazards, typically in the

		form of fire, explosions, leaks or spills, which may occur for a variety of different reasons including failure to implement operating procedures that are designed to prevent their occurrence, extreme weather or lack of early warning); (iv) remedies for adverse impacts such as occupational injuries, deaths, disability and disease; (v) the measures to be taken to avoid or minimize the potential for community exposure to water-borne, water-based, water-related, and vector-borne diseases, (vi) the measures to be implemented to avoid or minimize the spread of communicable diseases (including transfer of Sexually Transmitted Diseases or Infections (STDs), such as HIV virus) and non-communicable diseases associated with the execution of the Works, taking into consideration differentiated exposure to and higher sensitivity of vulnerable groups. This includes taking measures to avoid or minimize the transmission of communicable diseases that may be associated with the influx of temporary or permanent Contract-related labor; (vii) the policies and procedures on the management and quality of accommodation and welfare facilities if such accommodation and welfare facilities are provided by the Contractor in accordance with GCC Sub-Clause 9.4.6; and (b) any other requirements stated in the Specification.
	18.3	Protection of the environment (a) The Contractor shall take all necessary measures to: protect the environment (both on and off the Site); and (b) limit damage and nuisance to people and property resulting from pollution, noise and other results of the Contractor's operations and/ or activities. The Contractor shall ensure that emissions, surface discharges, effluent and any other pollutants from the Contractor's activities shall exceed neither the values indicated in the Specification, nor those prescribed by applicable laws. In the event of damage to the environment, property and/or nuisance to people, on or off Site as a result of the Contractor's operations, the Contractor shall agree with the Project Manager the appropriate actions and time scale to remedy, as practicable, the damaged environment to its former condition. The Contractor shall implement such remedies at its cost to the satisfaction of the Project Manager.
19. Archaeological and Geological Findings	19.1	All fossils, coins, articles of value or antiquity, structures, groups of structures, and other remains or items of geological, archaeological, paleontological, historical, architectural or religious interest found on the Site shall be placed under the care and custody of the Employer. The Contractor shall: (a) take all reasonable precautions, including fencing-off the area or site of the finding, to avoid further disturbance and prevent Contractor's Personnel or other persons from removing or damaging any of these findings; (b) train relevant Contractor's Personnel on appropriate actions to be taken in the event of such findings; and (c) implement any other action consistent with the requirements

		of the Specification and relevant laws. The Contractor shall, as soon as practicable after discovery of any such finding, notify the Project Manager of such discoveries and carry out the Project Manager's instructions for dealing with them.
20. Possession of the Site	20.1	The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated **in the PCC**, the Employer shall be deemed to have delayed the start of the relevant activities, and this shall be a Compensation Event.
21. Access to the Site	21.1	The Contractor shall allow the Project Manager and any person authorized by the Project Manager (including the Bank staff or consultants acting on the Bank's behalf, stakeholders and third parties, such as independent experts, local communities, or non-governmental organizations), including to carry out environmental and social audit, as appropriate, 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.
22. Instructions, Inspections and Audits	22.1	The Contractor shall carry out all instructions of the Project Manager which comply with the applicable laws where the Site is located.
	22.2	The Contractor shall keep, and shall make all reasonable efforts to cause its Subcontractors and subconsultants to keep, accurate and systematic accounts and records in respect of the Works in such form and details as will clearly identify relevant time changes and costs.
	22.3	Inspections & Audit by the Bank Pursuant to paragraph 2.2 e. of Appendix A to the GCC- Fraud and Corruption, the Contractor shall permit and shall cause its agents (where declared or not), subcontractors, subconsultants, service providers, suppliers, and personnel, to permit, the Bank and/or persons appointed by the Bank to inspect the site and/or the accounts, records and other documents relating to the procurement process, selection and/or contract execution, and to have such accounts, records and other documents audited by auditors appointed by the Bank. The Contractor's and its Subcontractors' and subconsultants' attention is drawn to GCC Sub-Clause 25.1 (Fraud and Corruption) which provides, inter alia, that acts intended to materially impede the exercise of the Bank's inspection and audit rights constitute a prohibited practice subject to contract termination (as well as to a determination of ineligibility pursuant to the Bank's prevailing sanctions procedures).
23. Appointment of the Adjudicator	23.1	The Adjudicator shall be appointed jointly by the Employer and the Contractor, at the time of the Employer's issuance of the Letter of Acceptance. If, in the Letter of Acceptance, the Employer does not agree on the appointment of the Adjudicator, the Employer will request the Appointing Authority designated **in the PCC**, to appoint the Adjudicator within 14 days of receipt of such request.
	23.2	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 shall be jointly appointed by the Employer and the Contractor. In case of disagreement between the Employer and the Contractor, within 30 days, the Adjudicator shall be designated by the Appointing Authority **designated in the PCC** at the request of either party, within 14 days of receipt of such request.
24. Procedure for Disputes	24.1	If the Contractor believes that a decision taken by the Project Manager was either outside the authority given to the Project Manager by the Contract or that the decision was wrongly taken, the decision shall be referred to the Adjudicator within 14 days of the notification of the Project Manager's decision.
	24.2	The Adjudicator shall give a decision in writing within 28 days of receipt of a notification of a dispute.
	24.3	The Adjudicator shall be paid by the hour at the rate specified **in**

		the PCC, together with reimbursable expenses of the types specified **in the PCC**, and the cost shall be divided equally between the Employer and the Contractor, whatever decision is reached by the Adjudicator. Either party may refer a decision of the Adjudicator to an Arbitrator within 28 days of the Adjudicator's written decision. If neither party refers the dispute to arbitration within the above 28 days, the Adjudicator's decision shall be final and binding
	24.4	The arbitration shall be conducted in accordance with the arbitration procedures published by the institution named and in the place specified **in the PCC.** The rules of procedure for arbitration proceedings to be specified in PCC will be as follows: For smaller contracts, the institution is usually from the Employer's Country. For larger contracts, and contracts that are likely to be awarded to international contractors, it is recommended that the arbitration procedure of an international institution. For larger contracts with international contractors, it is recommended to selectone institution among those listed below; **"United Nations Commission on International Trade Law (UNCITRAL) Arbitration Rules:** Any dispute, controversy, or claim arising out of or relating to this Contract, or breach, termination, or invalidity thereof, shall be settled by arbitration inaccordance with the UNCITRAL Arbitration Rules as at present in force." or **"Rules of Conciliation and Arbitration of the International Chamber of Commerce (ICC):** All disputes arising out of or in connection with the present Contract shall be finally settled under the Rules of Arbitration of the International Chamber of Commerce by one or more arbitrators appointed in accordance with said Rules." or **"Rules of Arbitration Institute of the Stockholm Chamber of Commerce:** Any dispute, controversy, or claim arising out of or in connection with this Contract, or the breach, termination, or invalidity thereof, shall be finally settled by arbitration in accordance with the Arbitration Rules of the Arbitration Institute of the Stockholm Chamber of Commerce." or **"Rules of the London court of International Arbitration:** Any dispute arising out of or in connection with this

		Contract, including any question regarding its existence, validity, or termination shall be referred to and finally resolved by arbitration under the LCIA Rules, which Rules are deemed to be incorporated by reference to this clause." The place of arbitration shall be specified in PCC.
25. Fraud and Corruption	25.1	The Bank requires compliance with the Bank's Anti-Corruption Guidelines and its prevailing sanctions policies and procedures as set forth in the WBG's Sanctions Framework, as set forth in Appendix A to the GCC.
	25.2	The Employer requires the Contractor to disclose any commissions or fees that may have been paid or are to be paid to agents or any other party with respect to the bidding process or execution of the Contract. The information disclosed must include at least the name and address of the agent or other party, the amount and currency, and the purpose of the commission, gratuity or fee.
26. Stakeholder Engagement	26.1	The Contractor shall provide relevant contract-related information, as the Employer and/or Project Manager may reasonably request to conduct Stakeholder engagements. "Stakeholder" refers to individuals or groups who: (i) are affected or likely to be affected by the Contract; and (ii) may have an interest in the Contract. The Contractor may also directly participate in Stakeholder engagements, as the Employer and/or Project Manager may reasonably request..
27. Suppliers (other than Subcontractors)	27.1	Forced Labor: The Contractor shall take measures to require its suppliers (other than Subcontractors) not to employ or engage forced labor including trafficked persons as described in GCC Sub-Clause 9.4.14. If forced labor/trafficking cases are identified, the Contractor shall take measures to require the suppliers to take appropriate steps to remedy them. Where the supplier does not remedy the situation, the Contractor shall within a reasonable period substitute the supplier with a supplier that is able to manage such risks.
	27.2	Child Labor: The Contractor shall take measures to require its suppliers (other than Subcontractors) not to employ or engage child labor as described in GCC Sub-Clause 9.4.15. If child labor cases are identified, the Contractor shall take measures to require the suppliers to take appropriate steps to remedy them. Where the supplier does not remedy the situation, the Contractor shall within a reasonable period substitute the supplier with a supplier that is able to manage such risks.
	27.3	Serious Safety Issues: The Contractor, including its Subcontractors, shall comply with all applicable safety obligations, including as stated in GCC Sub-Clause 18.2. The Contractor shall also take measures to require its suppliers (other than Subcontractors) to adopt procedures and mitigation measures adequate to address safety issues related to their personnel. If serious safety issues are identified, the Contractor shall take measures to require the suppliers to take appropriate steps to remedy them. Where the supplier does not remedy the situation, the Contractor shall within a reasonable period substitute the supplier with a supplier that is able to manage such risks.
	27.4	Obtaining natural resource materials in relation to supplier: The Contractor shall obtain natural resource materials from suppliers that can demonstrate, through compliance with the applicable verification and/ or certification requirements, that obtaining such materials is not contributing to the risk of significant conversion or significant degradation of natural or critical habitats such as unsustainably harvested wood products, gravel or sand extraction from river beds or beaches. If a supplier cannot continue to demonstrate that obtaining such

		materials is not contributing to the risk of significant conversion or significant degradation of natural or critical habitats, the Contractor shall within a reasonable period substitute the supplier with a supplier that is able to demonstrate that they are not significantly adversely impacting the habitats.
28. Code of Conduct	28.1	The Contractor shall have a Code of Conduct for the Contractor's Personnel. The Contractor shall take all necessary measures to ensure that each Contractor's Personnel is made aware of the Code of Conduct including specific behaviors that are prohibited, and understands the consequences of engaging in such prohibited behaviors. These measures include providing instructions and documentation that can be understood by the Contractor's Personnel and seeking to obtain that person's signature acknowledging receipt of such instructions and/or documentation, as appropriate. The Contractor shall also ensure that the Code of Conduct is visibly displayed in multiple locations on the Site and any other place where the Works will be carried out, as well as in areas outside the Site accessible to the local community and project affected people. The posted Code of Conduct shall be provided in languages comprehensible to Contractor's Personnel, Employer's Personnel and the local community. The Contractor's Management Strategy and Implementation Plans shall include appropriate processes for the Contractor to verify compliance with these obligations.
29. Security of the Site	29.1	The Contractor shall be responsible for the security of the Site, and: (a) for keeping unauthorized persons off the Site; (b) authorized persons shall be limited to the Contractor's Personnel, the Employer's Personnel, and to any other personnel identified as authorized personnel (including the Employer's other contractors on the Site), by a notice from the Employer or the Project Manager to the Contractor. Subject to GCC Sub-Clause 16.2, the Contractor shall submit for the Project Manager's No-objection a security management plan that sets out the security arrangements for the Site. The Contractor shall (i) conduct appropriate background checks on any personnel retained to provide security; (ii) train the security personnel adequately (or determine that they are properly trained) in the use of force (and where applicable, firearms), and appropriate conduct towards Contractor's Personnel, Employer's Personnel and affected communities; and (iii) require the security personnel to act within the applicable Laws and any requirements set out in the Specification. The Contractor shall not permit any use of force by security personnel in providing security except when used for preventive and defensive purposes in proportion to the nature and extent of the threat. In making security arrangements, the Contractor shall also comply with any additional requirements stated in the Specifications.

B. TIME CONTROL

30. Program and Progress Reports	30.1	Within the time stated in the PCC, after the date of the Letter of Acceptance, the Contractor shall submit to the Project Manager for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works. In the case of a lump-sum contract, the activities in the Program shall be consistent with those in the Activity Schedule. 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.
	30.2	An update of the 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.
	30.3	The Contractor shall monitor progress of the Works and submit to the Project manager progress report and any updated Program showing the actual progress achieved and the effect of the progress achieved on the timing of the remaining Works, including any changes to the sequence of the activities, at intervals no longer than the periods stated in the PCC. If the Contractor does not submit an updated Program within this period, the Project Manager may withhold the amount stated in the PCC 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. In the case of lump-sum Contract, the Contractor shall provide an updated Activity Schedule within 14 days of being instructed to by the Project Manager.
	30.4	Unless otherwise stated in the Specification, each progress report shall include the Environmental and Social (ES) metrics set out in Appendix B.
	30.5	In addition to the progress reports, the Contractor shall inform the Project Manager immediately of any allegation, incident or accident in the Site, which has or is likely to have a significant adverse effect on the environment, the affected communities, the public, Employer's Personnel or Contractor's Personnel. This includes, but is not limited to, any incident or accident causing fatality or serious injury; significant adverse effects or damage to private property; or any allegation of SEA and/or SH. In case of SEA and/or SH, while maintaining confidentiality as appropriate, the type of allegation (sexual exploitation, sexual abuse or sexual harassment), gender and age of the person who experienced the alleged incident should be included in the information. The Contractor, upon becoming aware of the allegation, incident or accident, shall also immediately inform the Project Manager of any such incident or accident on the Subcontractors' or suppliers' premises relating to the Works which has or is likely to have a significant adverse effect on the environment, the affected communities, the public, Employer's Personnel, or Contractor's, its Subcontractors' and suppliers' personnel. The notification shall provide sufficient detail regarding such incidents or accidents. The Contractor shall provide full details of such incidents or accidents to the Project Manager within the timeframe agreed with the Project Manager. The Contractor shall require its Subcontractors and suppliers (other than Subcontractors) to immediately notify the Contractor of any incidents or accidents referred to in this Subclause.
31. Extension of the Intended Completion Date	31.1	The Project Manager shall 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.
	31.2	The Project Manager shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Project Manager for a decision upon the effect of a Compensation

		Event or Variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.
32. Acceleration	32.1	When the Employer wants the Contractor to finish before the Intended Completion Date, the Project Manager shall obtain priced proposals for achieving the necessary acceleration from the Contractor. If the Employer accepts these proposals, the Intended Completion Date shall be adjusted accordingly and confirmed by both the Employer and the Contractor.
	32.2	If the Contractor's priced proposals for an acceleration are accepted by the Employer, they are incorporated in the Contract Price and treated as a Variation.
33. Delays Ordered by the Project Manager	33.1	The Project Manager may instruct the Contractor to delay the start or progress of any activity within the Works.
	33.2	During such suspension, the Contractor shall protect, store and secure such part or the Works against any deterioration, loss or damage.
	33.3	The Project Manager may also notify the cause for the suspension.
34. ManagementMeetings	34.1	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.
	34.2	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.
35. Early Warning	35.1	The Contractor shall warn the Project Manager at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase the Contract Price, or delay the execution of the Works. The Project Manager may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Contract Price and Completion Date. The estimate shall be provided by the Contractor as soon as reasonably possible.
	35.2	The Contractor shall cooperate with the Project Manager in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Project Manager.

C: QUALITY CONTROL

36. Identifying Defects	36.1	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. 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.
37. Tests	37.1	The Project Manager may instruct the Contractor to carry out a test not specified in the Specification to check whetherany work has a Defect and in the event the test shows that itdoes, the Contractor shall pay for the test and any samples thereof. If there is no Defect, the test shall be a Compensation Event.
38. Correction of Defects	38.1	The Project Manager shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion, and is defined in the PCC. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
	38.2	Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Project Manager's notice.
39. Uncorrected Defects	39.1	If the Contractor has not corrected a Defect within the time specified in the Project Manager's notice, the Project Manager shall assess the cost of having the Defect corrected, and the Contractor shall pay this amount.

D. COST CONTROL

40. Contract Price	40.1	The Bill of Quantities shall contain priced items for the Works to be performed by the Contractor. The Bill of Quantities is used to calculate the Contract Price. The Contractor will be paid for the quantity of the work accomplished at the rate in the Bill of Quantities for each item. **In the lump-sum contracts,** The Contractor shall provide updated Activity Schedules within 14 days of being instructed to by the Project Manager. The Activity Schedule shall contain the priced activities for the Works to be performed by the Contractor. The Activity Schedule is used to monitor and control the performance of activities on which basis the Contractor will be paid. If payment for materials on site shall be made separately, the Contractor shall show delivery of Materials to the Site separately on the Activity Schedule.
41. Changes in the Quantities	41.1	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. 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. **In the lump-sum contracts,** The Activity Schedule shall be amended by the Contractor to accommodate changes of Program or method of working made at the Contractor's own discretion. Prices in the Activity Schedule shall not be altered when the Contractor makes such changes to the Activity Schedule.
	41.2	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.
42. Variations	42.1	All Variations shall be included in updated Programs produced by the Contractor. **In the lump-sum contracts,** All Variations shall be included in updated Programs and Activity Schedules produced by the Contractor.
	42.2	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 Contractor shall also provide information of any ES risks and impacts of the Variation. The Project Manager shall assess the quotation, which shall be given within seven (7) days of the request or within any longer period stated by the Project Manager and before the Variation is ordered.
	42.3	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.
	42.4	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.
	42.5	The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning.
	42.6	If the work in the Variation corresponds to an item description in the Bill of Quantities and if, in the opinion of the Project Manager, the quantity of work above the limit stated in GCC Sub-Clause 41.1 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. **In the lump-sum contracts,** The Paragraph for GCC 42.6 above is not applicable.
	42.7	Value Engineering: The Contractor may prepare, at its own cost, a value engineering proposal at any time during the performance of the contract. The value engineering proposal shall, at a minimum, include the following; (a) the proposed change(s), and a description of the difference to the existing contract requirements; (b) a full cost/benefit analysis of the proposed change(s) including a description and estimate of costs (including life cycle cost) the Employer may incur in implementing the value engineering proposal; (c) a description of any effect(s) of the change on performance/functionality; and (d) a description of the proposed work to be performed, a program for its execution and sufficient ES information to enable an evaluation of ES risks and impacts. The Employer may accept the value engineering proposal if the proposal demonstrates benefits that: (a) accelerates the contract completion period; or (b) reduces the Contract Price or the life cycle costs to the Employer; or (c) improves the quality, efficiency, safety or sustainability of the Facilities; or (d) yields any other benefits to the Employer, without compromising the functionality of the Works. If the value engineering proposal is approved by the Employer and results in: (a) a reduction of the Contract Price; the amount to be paid to the Contractor shall be the percentage specified in the PCC of the reduction in the Contract Price; or (b) an increase in the Contract Price; but results in a reduction in life cycle costs due to any benefit described in (a) to (d) above, the amount to be paid to the Contractor shall be the full increase in the Contract Price.
43. Cash Flow Forecasts	43.1	When the 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. **In the lump-sum contracts,** When the Program and Activity Schedule 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.
44. Payments Certificates	44.1	The Contractor shall submit to the Project Manager monthly statements of the estimated value of the work executed less the cumulative amount certified previously.
	44.2	The Project Manager shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor.
	44.3	The value of work executed shall be determined by the Project Manager.
	44.4	The value of work executed shall comprise the value of the quantities of work in the Bill of Quantities that have been completed. **In the lump-sum contracts,** "The value of work executed shall comprise the value of completed

		activities in the Activity Schedule."
	44.5	The value of work executed shall include the valuation of Variations and Compensation Events.
	44.6	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.
	44.7	If the Contractor was, or is, failing to perform any ES obligations or work under the Contract, the value of this work or obligation, as determined by the Project Manager, may be withheld until the work or obligation has been performed, and/or the cost of rectification or replacement, as determined by the Project Manager, may be withheld until rectification or replacement has been completed. Failure to perform includes, but is not limited to the following: (a) failure to comply with any ES obligations or work described in the Works' Requirements which may include: working outside site boundaries, excessive dust, failure to keep public roads in a safe usable condition, damage to offsite vegetation, pollution of water courses from oils or sedimentation, contamination of land e.g. from oils, human waste, damage to archeology or cultural heritage features, air pollution as a result of unauthorized and/or inefficient combustion; (b) failure to regularly review C-ESMP and/or update it in a timely manner to address emerging ES issues, or anticipated risks or impacts; (c) failure to implement the C-ESMP e.g. failure to provide required training or sensitization; (d) failing to have appropriate consents/permits prior to undertaking Works or related activities; (e) failure to submit ES report/s (as described in Appendix B), or failure to submit such reports in a timely manner; (f) failure to implement remediation as instructed by the Project Manager within the specified timeframe (e.g. remediation addressing non-compliance/s).
45. Payments	45.1	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 for commercial borrowing for each of the currencies in which payments are made.
	45.2	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.
	45.3	Unless otherwise stated, all payments and deductions shall be paid or charged in the proportions of currencies comprising the Contract Price.
	45.4	Items of the Works for which no rate or price has been entered in shall not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.
46. Compensation Events	46.1	The following shall be Compensation Events: (a) The Employer does not give access to a part of the Site by the Site Possession Date pursuant to GCC Sub-Clause 20.1. (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, Specification, 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 bidders (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.
	46.2	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 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.
	46.3	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, and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Project Manager shall adjust the Contract Price based on the Project Manager's own forecast. The Project Manager shall assume that the Contractor shall react competently and promptly to the event.
	46.4	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 or not having cooperated with the Project Manager.
47. Tax	47.1	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 bids 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 Clause 49.
48. Currencies	48.1	Where payments are made in currencies other than the currency of the Employer's country **specified in the PCC,** the exchange rates used for calculating the amounts to be paid shall be the exchange rates stated in the Contractor's Bid.
49. Price Adjustment	49.1	Prices shall be adjusted for fluctuations in the cost of inputs only if provided for in the PCC. If so provided, the amounts certified in each payment certificate, before deducting for Advance Payment, shall be

		adjusted by applying the respective price adjustment factor to the payment amounts due in each currency. A separate formula of the type specified below applies to each Contract currency: $\mathbf{P_c = A_c + B_c\ I_{mc}/I_{oc}}$ where: $\mathbf{P_c}$ is the adjustment factor for the portion of the Contract Price payable in a specific currency **"c."** $\mathbf{A_c}$ and $\mathbf{B_c}$ are coefficients specified in the PCC, representing the nonadjustable and adjustable portions, respectively, of the Contract Price payable in that specific currency **"c;"** and $\mathbf{I_{mc}}$ is the index prevailing at the end of the month being invoiced and Ioc is the index prevailing 28 days before Bid opening for inputs payable; both in the specific currency **"c."**
	49.2	If the value of the index is changed after it has been used in a calculation, the calculation shall be corrected and an adjustment made in the next payment certificate. The index value shall be deemed to take account of all changes in cost due to fluctuations in costs.
50. Retention	50.1	The Employer shall retain from each payment due to the Contractor the proportion stated in the PCC until Completion of the whole of the Works.
	50.2	Upon the issue of a Certificate of Completion of the Works by the Project Manager, in accordance with GCC Sub-Clause 57.1, half the total amount retained shall be repaid to the Contractor and 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. The Contractor may substitute retention money with an "on demand" Bank guarantee.
51. Liquidated Damage	51.1	The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the PCC for each day that the Completion Date is later than the Intended Completion Date. The total amount of liquidated damages shall not exceed the amount defined in the PCC. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.
	51.2	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 Sub-Clause 45.1.
52. Bonus	52.1	The Contractor shall be paid a Bonus calculated at the rate per calendar day stated in the PCC 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.
53. Advance Payment	53.1	The Employer shall make advance payment to the Contractor of the amounts stated in the PCC by the date stated in the PCC, 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 shall not be charged on the advance payment.
	53.2	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.
	53.3	The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, 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.
54. Securities	54.1	The Performance Security, and if so specified in the PCC an environmental and social (ES) 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 **specified in the PCC**, 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. 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 Certificate of Completion in the case of a Performance Bond.
55. Day Works	55.1	If applicable, the Dayworks rates in the Contractor's Bid shall be used only when the Project Manager has given written instructions in advance for additional work to be paid for in that way.
	55.2	All work to be paid for as Dayworks 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.
	55.3	The Contractor shall be paid for Dayworks subject to obtaining signed Dayworks forms.
56. Cost of Repairs	56.1	Loss or damage to the Works or Materials to be incorporated in the Works between the Start 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. FINISHING THE CONTRACT

57. Completion	57.1	The Contractor shall request the Project Manager to issue a Certificate of Completion of the Works, and the Project Manager shall do so upon deciding that the whole of the Works is completed.
58. Taking Over	58.1	The Employer shall take over the Site and the Works within seven days of the Project Manager's issuing a Certificate of Completion.
59. Final Account	59.1	The Contractor shall supply the Project Manager with a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Project Manager shall issue a Defects Liability Certificate and certify any final payment that is due to the Contractor within 56 days of receiving the Contractor's account if it is correct and complete. If it is not, the Project Manager shall issue within 56 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Project Manager shall decide on the amount payable to the Contractor and issue a payment certificate.
60. Operating and Maintenance manuals	60.1	If "as built" Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates **stated in the PCC.**
	60.2	If the Contractor does not supply the Drawings and/or manuals by the dates **stated in the PCC** pursuant to GCC Sub-Clause 60.1, or they do not receive the Project Manager's approval, the Project Manager shall withhold the amount **stated in the PCC** from payments due to the Contractor.
61. Termination	61.1	The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.
	61.2	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 Program and the stoppage has not been authorized by the Project Manager; (b) the Project Manager instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within 28 days; (c) the Employer or the Contractor is made bankrupt or goes into liquidation other than for a reconstruction or amalgamation; (d) a payment certified by the Project Manager is not paid by the Employer to the Contractor within 84 days of the date of the Project Manager's certificate; (e) the Project Manager gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Project Manager; (f) the Contractor does not maintain a Security, which is required; (g) 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 PCC; or (h) if the Contractor, in the judgment of the Employer has engaged in Fraud and Corruption, as defined in paragraph 2.2 a of the Appendix A to the GCC, in competing for or in executing the Contract, then the Employer may, after giving fourteen (14) days written notice to the Contractor, terminate the Contract and expel him from the Site.
	61.3	Notwithstanding the above, the Employer may terminate the Contract for convenience.
	61.4	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.
	61.5	When either party to the Contract gives notice of a breach of Contract to the Project Manager for a cause other than those listed under GCC Sub-Clause 61.2 above, the Project Manager shall decide whether the breach is fundamental or not.
62. Payment upon Termination	62.1	If the Contract is terminated because of a fundamental breach of Contract 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, as specified in the PCC. 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.
	62.2	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
63. Property	63.1	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 because of the Contractor's default.
64. Release from Performance	64.1	If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor, the Project Manager shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which a commitment was made.
65. Suspension of Bank Loan or Credit	65.1	In the event that the Bank suspends the Loan or Credit to the Employer, from which part of the payments to the Contractor are being made: (a) The Employer is obligated to notify the Contractor of such suspension within 7 days of having received the Bank's suspension notice. (b) If the Contractor has not received sums due to it within the 28 days for payment provided for in GCC Sub-Clause 45.1, the Contractor may immediately issue a 14-day termination notice.

APPENDIX A
TO GENERAL CONDITIONS
Fraud and Corruption

1. Purposes 1.1 The Bank's Anti-Corruption Guidelines and this annex apply with respect to procurement under Bank Investment Project Financing operations.

2. Requirements 2.1 The Bank requires that Borrowers (including beneficiaries of Bank financing); bidders (applicants/proposers), consultants, contractors, and suppliers; any sub-contractors, sub-consultants, service providers or suppliers; any agents (whether declared or not); and any of their personnel, observe the highest standard of ethics during the procurement process, selection, and contract execution of Bank-financed contracts, and refrain from Fraud and Corruption.

2.2 To this end, the Bank:

a. Defines, for the purposes of this provision, the terms set forth below as follows:

i. "corrupt practice" is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;

ii. "fraudulent practice" is any act or omission, including misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain financial or other benefit or to avoid an obligation;

iii. "collusive practice" is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;

iv. "coercive practice" is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;

v. "obstructive practice" is:

(a) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive, or collusive practice; and/or threatening, harassing, or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or

(b) acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under paragraph 2.2 e. below.

b. Rejects a proposal for award if the Bank determines that the firm or individual recommended for award, any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/ or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;

c. In addition to the legal remedies set out in the relevant Legal Agreement, may take other appropriate actions, including declaring misprocurement, if the Bank determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement process, selection and/or execution of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;

d. Pursuant to the Bank's Anti- Corruption Guidelines and in accordance

with the Bank's prevailing sanctions policies and procedures, may sanction a firm or individual, either indefinitely or for a stated period of time, including by publicly declaring such firm or individual ineligible (i) to be awarded or otherwise benefit from a Bank-financed contract, financially or in any other manner;[1] (ii) to be a nominated[2] sub-contractor, consultant, manufacturer or supplier, or service provider of an otherwise eligible firm being awarded a Bank-financed contract; and (iii) to receive the proceeds of any loan made by the Bank or otherwise to participate further in the preparation or implementation of any Bank-financed project;

e. Requires that a clause be included in bidding/request for proposals documents and in contracts financed by a Bank loan, requiring (i) bidders(applicants/proposers), consultants, contractors, and suppliers, and their sub-contractors, sub-consultants, service providers, suppliers, agents personnel, permit the Bank to inspect[3] all accounts, records and other documents relating to the procurement process, selection and/or contract execution, and to have them audited by auditors appointed by the Bank.

[1] For the avoidance of doubt, a sanctioned party's ineligibility to be awarded a contract shall include, without limitation, (i)applying for pre-qualification, expressing interest in a consultancy, and bidding, either directly or as a nominated sub-contractor, nominated consultant, nominated manufacturer or supplier, or nominated service provider, in respect of such contract, and (ii) entering into an addendum or amendment introducing a material modification to any existing contract.
[2] A nominated sub-contractor, nominated consultant, nominated manufacturer or supplier, or nominated service provider (different names are used depending on the particular bidding document) is one which has been: (i) included by the bidder in its pre-qualification application or bid because it brings specific and critical experience and know-how that allow the bidder to meet the qualification requirements for the particular bid; or (ii) appointed by the Borrower.
[3] Inspections in this context usually are investigative(i.e., forensic) in nature. They involve fact-finding activities undertaken by the Bank or persons appointed by the Bank to address specific matters related to investigations/audits, such as evaluating the veracity of an allegation of possible Fraud and Corruption, through the appropriate mechanisms. Such activity includes but is not limited to: accessing and examining a firm's or individual's financial records and information, and making copies thereof as relevant; accessing and examining any other documents, data and information (whether in hard copy or electronic format) deemed relevant for the investigation/audit, and making copies thereof as relevant; interviewing staff and other relevant individuals; performing physical inspections and site visits; and obtaining third party verification of information.

APPENDIX B
TO GENERAL CONDITIONS
Environmentaland Social (ES)
Metrics for Progress Reports

1. Metrics for Regular Reporting	1.1	*Metrics for regular reporting:* *a. environmental incidents or non-compliance with contract requirements, including contamination, pollution or damage to ground or water supplies;* *b. health and safety incidents, accidents, injuries that require treatment, and all fatalities;* *c. interactions with regulators: identify agency, dates, subjects, outcomes (report the negative if none);* *d. status of all permits and agreements:* i. work permits: number required, number received, actions taken for those not received; ii. status of permits and consents: § list areas/facilities with permits required (quarries, asphalt & batch plants), dates of application, dates issued (actions to follow up if not issued), dates submitted to resident engineer (or equivalent), status of area (waiting for permits, working, abandoned without reclamation, decommissioning plan being implemented, etc.); § list areas with landowner agreements required (borrow and spoil areas, camp sites), dates of agreements, dates submitted to resident engineer (or equivalent); § identify major activities undertaken in each area in the reporting period and highlights of environmental and social protection (land clearing, boundary marking, topsoil salvage, traffic management, decommissioning planning, decommissioning implementation); § for quarries: status of relocation and compensation (completed, or details of activities and current status in the reporting period). *e. health and safety supervision:* i. safety officer: number days worked, number of full inspections & partial inspections, reports to construction/project management; ii. number of workers, work hours, metric of PPE use (percentage of workers with full personal protection equipment (PPE), partial, etc.), worker violations observed (by type of violation, PPE or otherwise), warnings given, repeat warnings given, follow-up actions taken (if any); *f. worker accommodations:* i. number of expats housed in accommodations, number of locals; ii. date of last inspection, and highlights of inspection including status of accommodations' compliance with national and local law and good practice, including sanitation, space, etc.; iii. actions taken to recommend/require improved conditions, or to improve conditions. *g. Health services: provider of health services, information and/or training, location of clinic, number of non-safety disease or illness treatments and diagnoses (no names to be provided);*

		h. gender (for expats and locals separately): number of female workers, percentage of workforce, gender issues raised and dealt with (cross-reference grievances or other sections as needed); *i. training:* i. number of new workers, number receiving induction training, dates of induction training; ii. number and dates of toolbox talks, number of workers receiving Occupational Health and Safety (OHS), environmental and social training; iii. number and dates of communicable diseases (including STDs) sensitization and/or training, no. workers receiving training (in the reporting period and in the past); same questions for gender sensitization, flag person training. iv. number and date of SEA and SH prevention sensitization and/or training events, including number of workers receiving training on Code of Conduct for Contractor's Personnel (in the reporting period and in the past), etc. *j. environmental and social supervision:* i. environmentalist: days worked, areas inspected and numbers of inspections of each (road section, work camp, accommodations, quarries, borrow areas, spoil areas, swamps, forest crossings, etc.), highlights of activities/findings (including violations of environmental and/or social best practices, actions taken), reports to environmental and/or social specialist/construction/site management; ii. sociologist: days worked, number of partial and full site inspections (by area: road section, work camp, accommodations, quarries, borrow areas, spoil areas, clinic, HIV/AIDS center, community centers, etc.), highlights of activities (including violations of environmental and/or social requirements observed, actions taken), reports to environmental and/or social specialist/construction/site management; and iii. community liaison person(s): days worked (hours community center open), number of people met, highlights of activities (issues raised, etc.), reports to environmental and/or social specialist /construction/site management. *k. Grievances*: list new grievances (e.g. number of allegations of SEA and SH) received in the reporting period and number of unresolved past grievances by date received, complainant's age and sex, how received, to whom referred to for action, resolution and date (if completed), data resolution reported to complainant, any required follow-up (Cross-reference other sections as needed): i. Worker grievances; ii. Community grievances *l. Traffic, road safety and vehicles/equipment:* i. traffic and road safety incidents and accidents involving project vehicles & equipment: provide date, location, damage, cause, follow-up;

		ii. traffic and road safety incidents and accidents involving non-project vehicles or property (also reported under immediate metrics): provide date, location, damage, cause, follow-up; iii. overall condition of vehicles/equipment (subjective judgment by environmentalist); non-routine repairs and maintenance needed to improve safety and/or environmental performance (to control smoke, etc.). *m. Environmental mitigations and issues (what has been done):* i. dust: number of working bowsers, number of waterings/day, number of complaints, warnings given by environmentalist, actions taken to resolve; highlights of quarry dust control (covers, sprays, operational status); % of rock/ spoil lorries with covers, actions taken for uncovered vehicles; ii. erosion control: controls implemented by location, status of water crossings, environmentalist inspections and results, actions taken to resolve issues, emergency repairs needed to control erosion/sedimentation; iii. quarries, borrow areas, spoil areas, asphalt plants, batch plants: identify major activities undertaken in the reporting period at each, and highlights of environmental and social protection: land clearing, boundary marking, topsoil salvage, traffic management, decommissioning planning, decommissioning implementation; iv. blasting: number of blasts (and locations), status of implementation of blasting plan (including notices, evacuations, etc.), incidents of off-site damage or complaints (cross-reference other sections as needed); v. spill clean-ups, if any: material spilled, location, amount, actions taken, material disposal (report all spills that result in water or soil contamination; vi. waste management: types and quantities generated and managed, including amount taken offsite (and by whom) or reused/recycled/disposed on-site; vii. details of tree plantings and other mitigations required undertaken in the reporting period; viii. details of water and swamp protection mitigations required undertaken in the reporting period. *n. compliance:* i. compliance status for conditions of all relevant consents/permits, for the Work, including quarries, etc.): statement of compliance or listing of issues and actions taken (or to be taken) to reach compliance; ii. compliance status of C-ESMP/ESIP requirements: statement of compliance or listing of issues and actions taken (or to be taken) to reach compliance iii. compliance status of SEA and SH prevention and response

		action plan: statement of compliance or listing of issues and actions taken (or to be taken) to reach compliance iv. compliance status of Health and Safety Management Plan re: statement of compliance or listing of issues and actions taken (or to be taken) to reach compliance v. other unresolved issues from previous reporting periods related to environmental and social: continued violations, continued failure of equipment, continued lack of vehicle covers, spills not dealt with, continued compensation or blasting issues, etc. Cross-reference other sections as needed.

APPENDIX C
TO GENERAL CONDITIONS

Sexual Exploitation and Abuse (SEA) and/or Sexual Harassment (SH) Performance Declaration for Subcontractors

SEA and/or SH Declaration

We:

¨ (a) have not been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations.

¨ (b) are subject to disqualification by the Bank for non-compliance with SEA/ SH obligations.

¨ (c) had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations. An arbitral award on the disqualification case has been made in our favor.

¨ (d) had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations for a period of two years. We have subsequently demonstrated that we have adequate capacity and commitment to comply with SEA /SH obligations.

¨ (e) had been subject to disqualification by the Bank for non-compliance with SEA/ SH obligations for a period of two years. We have attached specific evidence demonstrating that we have adequate capacity and commitment to comply with SEA and SH obligations.

[*If (c) above is applicable, attach evidence of an arbitral award reversing the findings on the issues underlying the disqualification.]*

[If (d) or (e) above are applicable, provide the following information:]

Period of disqualification: From: _____ To: _____

If previously provided on another Bank financed works contract, details of evidence that demonstrated adequate capacity and commitment to comply with SEA/SH obligations (**as per (d) above)**

Name of Employer: _____

Name of Project: _____

Contract description: _____

Brief summary of evidence provided: _____

_____

Contact Information: (Tel, email, name of contact person): _____

_____

As an alternative to the evidence under (d), other evidence demonstrating adequate capacity and commitment to comply with SEA/SH obligations (**as per (e) above))** *[attach details as appropriate].*

_____

_____

Name of the Subcontractor

Name of the person duly authorized to sign onbehalf of the Subcontractor

Title of the person signing on behalf of the Subcontractor

Signature of the person named above

Date signed _____day of _____, _____

Counter signature of authorized representativeof the Contractor:

Signature:_____

SECTION IX: PARTICULAR CONDITIONS OF CONTRACT (PCC)

SECTION IX: PARTICULAR CONDITIONS OF CONTRACT

The following Particular Conditions of Contract (PCC) shall supplement the General Conditions of the Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

PCC Clause	Required Information/Data	GCC Clause	Data/Information to be supplied
			A. General
1.	Financing Institution	1.1(d)	The Financing Institutions is: World Bank
2.	Employer's details	1.1(r)	Employer Name: SINGIDA MUNICIPAL COUNCIL Employer's Address: 236 Employer's Authorized Representative: Municipal Director, Singida Municipal Council
3.	Intended Completion Date	1.1(v)	The Intended Completion Date for the whole of the Works shall be 455 days after contract signing.
4.	Project Manager	1.1(y)	Name of Project Manager: TBD Address of the Project Manager: TBD
5.	Location of the Site	1.1(aa)	The Site is located at Singida Municipality and is defined in drawings No. 6.
6.	Contract Start Date	1.1(dd)	The Contract Start Date shall be 21/05/2025 after contract signing.
7.	Summary of Works	1.1(hh)	Works consist of: 1. Upgrading of CBD and Industrial Roads a) Line police – NMC – Mwankoko Road (1.22km) b) Mnung'una – Chume Road (1.31km) c) Mughenyi – NMC Road (0.65km) d) Mungumaji - Arusha Road (1.5km) e) Soko la Vitunguu Road (0.67km) f) Munghenyi Road (0.33km) g) CBD Roads (1.97km) 2. 2) Construction of Misuna Modern Onion Market 3. 3) Construction of Mnung'una Stand-alone Storm-water Drain (2.6km) 4. 4) Construction of Office Building Note: Procurement of the Works under this bid is advertised and will be executed concurrently with other 16 Packages bids under the TACTIC - Tier 2 Project namely Package 1 & Package 2 in Tanga City, Package 1 in Korogwe Town, Package 1 in Moshi Municipality, Package 1 in Babati Town, Package 1 in Shinyanga Municipality, Package 1 and Package 2 in Bukoba Municipality, Package 1 in Bariadi Town, Package 1 in Musoma Municipality, Package 1 in Kibaha Town, Package 1 in Lindi Municipality, Package 1 in Mtwara Mikindani Municipality, Package 1 in Mpanda Municipality, Package 1 in Njombe Town and Package 1 in Iringa Municipality. Hence, regarding Award Criteria for Multiple Contracts, the Employer will aggregate minimum requirements for respective packages/bids as specified under the following Evaluation and Qualification Criteria: (i) Access to Financial Resources (Sources of Fund), (ii) Average Annual Turnover, (iii) Specific Experience, (iv) General Experience in Key Activities. With regard to Key Personnel and Equipment, to be awarded multiple contracts, the bidder must present separate sets of Equipment and separate teams of Key Personnel for

			each Package and Lot.
8.	Sectional Completion of the Works	2.2	Not Applicable.
9.	Other Documents Forming the Contract	2.3(i)	Not Applicable.
10.	Language of Contract	3.1	Language of the contract is English
11.	Law of Contract	3.1	The Law that applies to the contract is the Law of Laws of Tanzania
12.	Delegation by Project Manager's Duties	5.1	Not Applicable
13.	Schedule of Other Contractors	8.1	Not Applicable
14.	Minimum Insurance covers	13.1	The minimum insurance amounts and deductibles shall be: a) For loss of or damage to the Works, Plant, and Materials The Tanzanian Shilling 670,000,000. b) For loss of or damage to Equipment The Tanzanian Shilling 95,000,000.00 c) For loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract The Tanzanian Shilling 210,000,000.00 d) For personal injury or death: i) of the contractor's employee The Tanzanian Shilling 115,000,000.00 ii) of other people The Tanzanian Shilling 115000000
15.	Site Data	14.1	The Site data are; Soil and Materials Report
16.	Site Possession Date(s)	20.1	The Site Possession Date shall be within 28 days after submission of Performance Security in the form of Unconditional Bank Guarantee.
17.	Appointing Authority for the Adjudicator	23.1 & 23.2	Appointing Authority for the Adjudicator: Tanzania Institute of Arbitrators (TIArb).
18.	Adjudicator's Hourly Rate and Reimbursable fees	24.3	Adjudicator's Hourly rate shall be 200,000 and types of reimbursable expenses to bepaid to the Adjudicator is/are 1. Cost Of Necessary Travel .
19.	Arbitration Procedures	24.4	"United Nations Commission on International Trade Law (UNCITRAL) Arbitration Rules: Any dispute, controversy, or claim arising out of or relating to this Contract, or breach, termination, or invalidity thereof, shall be settled by arbitration following the UNCITRAL Arbitration Rules as at present in force."

B. Time Control

20.	Program and Progress Reports	30.1	The Contractor shall submit for approval a Program for the Works within 28 days from the date of the Letter of Acceptance.
		30.3	The period between Program updates is 28 days. The amount to be withheld for late submission of an updated Program is The Tanzanian Shilling20,000,000.00. The period for submission of progress reports is 28 days.

C. Quality Control

21.	Corrections of Defects	38.1	The Defects Liability Period is 365 days.

D. Cost Control

22.	Value Engineering	42.7	Not Applicable
23.	Currency(ies) of payment	48.1	The currency of the Employer's Country is: The Tanzanian Shilling and The United States dollar.
24.	Price Adjustment	49.1	The Contract "is not" subject to price adjustment in accordance with GCC Clause 45, and the information regarding coefficients "does not" apply.
25.	Retention	50.1	The proportion of payments retained is 10 percentage.
26.	Liquidated Damages	51.1	The liquidated damages amount is 0.1 percent of Contract Price per day. The maximum amount of liquidated damages is 10 percent of Contract Price.
27.	Bonus	52.1	Not Applicable
28.	Advance Payment	53.1	The Advance Payments shall be: 15 percent and shall be paid to the Contractor no later than 56 days.
29.	Securities	54.1	The Performance Security will be in the form of a Performance Security - Bank Guarantee in the amount(s) of 8.00 percent of the Accepted Contract Amount and in the same currency (ies) of the Accepted Contract Amount.

E. Finishing the Contract

30.	Operating and Maintenance Manuals	60.1	The date by which operating, maintenance manuals, and "as built" drawings are required is Contractor is required to submit As Built drawings and operational manuals.
31.	Amount to be Withheld for Failure to Submit As-Built Drawings and Operating Manuals	60.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required in GCC Sub-Clause 60.1 is [insert amount in local currency] TZS 155000000. The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required in GCC Sub-Clause 60.1 is [insert amount in local currency] TZS 155000000.
32.	Number of Days for Maximum Liquidated Damage to be Paid	61.2(g)	The maximum number of days is 100 days
33.	Percentage to Apply (deduction) to the Value of Work not Completed	62.1	The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the Works, is 40 percent.

SECTION X: CONTRACT FORMS

NOTICE OF INTENTION TO AWARD A CONTRACT

(This template is available in the system during the award of the contract)

LETTER OF ACCEPTANCE

(This template is available in the system during the award of the contract)

FORM OF AGREEMENT

THIS AGREEMENT made

the [insert: **number**] day of *[insert: month], [insert: **year**]*.

BETWEEN

(1) *[insert complete name of Purchaser]*, a *[insert description of the type of legal entity, for example, an agency of the Ministry of the Government of [insert name of Country of Purchaser], or a corporation incorporated under the laws of [insert name of Country of Purchaser]]* and having its principal place of business at *[insertaddress of Purchaser]*(hereinafter called "the Purchaser"), of the one part, and

(2) *[insertname of Supplier**]***, a corporation incorporated under the laws of *[insert: country of Supplier**]*** and having its principal place of business at *[insert: address of Supplier]* (hereinafter called "the Supplier"), of the other part:

WHEREAS the Purchaser invited Bids for certain Goods and ancillary services, viz., *[insert a brief description of Goods and Services]*and has accepted a Bid by the Supplier for the supply of those Goods and Services

The Purchaser and the Supplier agree as follows:

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

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

   (a) the Letter of Acceptance

   (b) the Letter of Bid

   (c) the Addenda Nos._____ (if any)

   (d) Special Conditions of Contract

   (e) General Conditions of Contract

   (f) the Specification (including Schedule of Requirements and Technical Specifications)

   (g) the completed Schedules (including Price Schedules)

   (h) any other document listed in GCC as forming part of the Contract

3. Inconsideration of the payments to be made by the Purchaser to the Supplier as specifiedin this Agreement, the Supplier hereby covenants with the Purchaser to providethe Goods and Services and to remedy defects therein in conformity in allrespects with the provisions of the Contract.

4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed inaccordance with the laws of *Tanzania* on the day, month and year indicated above.

SIGNED, SEALED AND DELIVERED FOR ANDON BEHALF OF:

THE PROCURING ENTITY	**THE CONTRACTOR**
Name: ……	**Name:…….**
(*Authorized Representative)*	**(***Authorized Representative***)**
Designation: ……	**Designation: ……..**
Signature: ……	**Signature: ……**
Date: ……	**Date: ……**
WITNESS	**WITNESS**
Name: ……	**Name: ……**
Designation: ……	**Designation: ……**

Signature:…… **Signature:**……

PERFORMANCE BANK GUARANTEE [UNCONDITIONAL]

*[The **bank/successful Tenderer** providing theGuarantee shall fill in this form in accordance with the instructions indicatedin brackets, if the Employer requires this type of security.]*

[insert bank's name, andaddress of issuing branch or office]

Beneficiary: *[insert name and address of Employer]*

Date: *[insert date]*

PERFORMANCE GUARANTEENo.: *[insertPerformance Guarantee number]*

Wehave been informed that *[insert name ofContractor]* (hereinafter called "the Contractor") has beenawarded Contract No. *[insert referencenumber of the Contract]* dated *[insert date]* with you, for theexecution of *[insert name of Contract andbrief description of Works]* (hereinafter called "the Contract").

Furthermore,we understand that, according to the conditions of the Contract, a performanceguarantee is required.

Atthe request of the Contractor, we *[insertname of Bank]* hereby irrevocably undertake to pay you any sum or sums notexceeding in total an amount of *[insertamount in figures]* (*[insert amount inwords])*, such sum being payable in the types and proportions of currenciesin which the Contract Price is payable, upon receipt by us of your first demandin writing accompanied by a written statement stating that the Contractor is inbreach of its obligation(s) under the Contract, without your needing to proveor to show grounds for your demand or the sum specified therein.

Thisguarantee shall expire no later than twenty-eight days from the date ofissuance of the Taking-Over Certificate, calculated based on a copy of suchCertificate which shall be provided to us, or on the *[insert number]* day of *[insert month],[insert year]*, whicheveroccurs first. Consequently, any demandfor payment under this guarantee must be received by us at this office on orbefore that date.

[signature(s) of an authorizedrepresentative(s) of the Bank]

[seal of the Bank]

Note: All italicized text (including footnotes) isfor use in preparing this form and shall be deleted from the final product.

PERFORMANCE BOND

*[The **Surety/successful Tenderer** providingthe Bond shall fill in this form in accordance with the instructions indicatedin brackets, if the Employer requires this type of security]*

Bythis Bond, *[insert name and address ofContractor]* as Principal (hereinafter called "the Contractor") and *[insert name, legal title, and address ofsurety, bonding company, or insurance company]* as Surety (hereinaftercalled "the Surety"), are held and firmly bound unto *[insert name and address of Employer]* as Obligee (hereinafter called"the Employer") in the amount of *[insertamount of Bond] [insert amount of Bond in words]*, for the payment of whichsum well and truly to be made in the types and proportions of currencies inwhich the Contract Price is payable, the Contractor and the Surety bind themselves,their heirs, executors, administrators, successors, and assigns, jointly andseverally, firmly by these presents.

Whereasthe Contractor has entered into a Contract with the Employer dated the *[insert number]* day of *[insert month]*, *[insert year]* for *[insertname of Contract]* in accordance with the documents, plans, specifications,and amendments thereto, which to the extent herein provided for, are byreference made part hereof and are hereinafter referred to as the Contract.

Now,therefore, the Condition of this Obligation is such that, if the Contractorshall promptly and faithfully perform the said Contract (including anyamendments thereto), then this obligation shall be null and void; otherwise, itshall remain in full force and effect. Whenever the Contractor shall be, and declared by the Employer to be, indefault under the Contract, the Employer having performed the Employer'sobligations there under, the Surety may promptly remedy the default, or shallpromptly:

(1) complete the Contract in accordance with itsterms and conditions; or

(2) obtain a Tender or Tenders from qualifiedTenderers for submission to the Employer for completing the Contract inaccordance with its terms and conditions, and upon determination by theEmployer and the Surety of the lowest responsive Tenderer, arrange for aContract between such Tenderer and Employer and make available as workprogresses (even though there should be a default or a succession of defaultsunder the Contract or Contracts of completion arranged under this paragraph)sufficient funds to pay the cost of completion less the balance of the ContractPrice; but not exceeding, including other costs and damages for which theSurety may be liable hereunder, the amount set forth in the first paragraphhereof. The term "Balance of theContract Price," as used in this paragraph, shall mean the total amount payableby the Employer to the Contractor under the Contract, less the amount properlypaid by the Employer to the Contractor; or

(3) pay the Employer the amount required by theEmployer to complete the Contract in accordance with its terms and conditionsup to a total not exceeding the amount of this Bond.

TheSurety shall not be liable for a greater sum than the specified penalty of thisBond.

Anysuit under this Bond must be instituted before the expiration of one year fromthe date of issuance of the Certificate of Completion.

Noright of action shall accrue on this Bond to or for the use of any person orcorporation other than the Employer named herein or the heirs, executors,administrators, successors, and assigns of the Employer.

Intestimony whereof, the Contractor has hereunto set its hand and affixed itsseal, and the Surety has caused these presents to be sealed with its corporateseal duly attested by the signature of its legal representative, this *[insert day]* day of *[insert month], [insertyear]*.

Signed by *[insert signature(s) of authorized representative(s)]*
on behalf of *[name of Contractor]* in the capacity of [*insert title(s)]*
In the presence of *[insert name and signature of witness]*
Date *[insert date]*

Signed by *[insert signature(s) of authorized representative(s) of Surety]*
on behalf of *[name of Surety]* in the capacity of *[insert title(s)]*
In the presence of *[insert name and signature of witness]*
Date *[insert date]*

ENVIRONMENTAL AND SOCIAL (ES) PERFORMANCE SECURITY

ES Demand Guarantee

[Guarantor letterhead or SWIFT identifier code]

Beneficiary: *[insert name and Address of* Employer*]*

Date: _ *[Insert date of issue]*

ES PERFORMANCE GUARANTEE No.: *[Insert guarantee reference number]*

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

We have been informed that _____ (hereinafter called "the Applicant") has entered into Contract No. _____ dated _____ with the Beneficiary, for the execution of _____(hereinafter called "the Contract").

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

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

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

Yours truly,
Signature and seal:
Name of Bank/Financial Institution:
Address:
Date:

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[1] The Guarantor shall insert an amount representing the percentage of the Accepted Contract Amount specified in the Letter of Acceptance, less provisional sums, if any, and denominated either in the currency (cies) of the Contract or a freely convertible currency acceptable to the Beneficiary.

[2] Insert the date twenty-eight days after the expected completion date as described in CCClause 11.9. The Employer should note that in the event of an extension of this date for completion of the Contract, the Employer would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Employer might consider adding the following text to the form, at the end of the penultimate paragraph: "The Guarantor agrees to a one-time extension of this guarantee fora period not to exceed [six months] [one year], in response to the Beneficiary's written request for such extension, such request to be presented to theGuarantor before the expiry of the guarantee."

Advance Payment Security

Demand Guarantee

[Guarant or letterhead or SWIFT identifier code]
Beneficiary: *[Insert name and Address of Purchaser]*
Date: [Insert date of issue]
ADVANCE PAYMENT GUARANTEE No.:[Insert guarantee reference number]
Guarantor: [Insert name and address of place of issue, unless indicated in the letterhead]
We have been informed that [insert name of Supplier, which in the case of a joint venture shall be the name of the joint venture] (hereinafter called “the Applicant”) has entered into Contract No. *[insert reference number of the contract]* dated [insert date] with the Beneficiary, for the execution of *[insert name of contract and brief description of Goods and related Services]* (hereinafter called"the Contract").
Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum [insert amount in figures] () [insert amount in words] is to be made against an advance payment guarantee.
At the request of the Applicant, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[insertamount in figures]*
(_) [insert amount in words]1 upon receipt by us of the Beneficiary’s complying demand supported by the Beneficiary’s statement, whether in the demand itself or in a separate signed document accompanying or identifying the demand, stating either that the Applicant:

(a) has used the advance payment for purposes other than toward delivery of Goods; or

(b) has failed to repay the advance payment in accordance with the Contract conditions, specifying the amount which the Applicant has failed to repay.

A demand under this guarantee may be presented as from the presentation to the Guarantor of a certificate from the Beneficiary’s bank stating that the advance payment referred to above has been credited to the Applicant on its account number *[insert number]* at [insert name and address of Applicant’sbank].
The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Applicant as specified in copies of interim statements or paymentcertificates which shall be presented to us. This guarantee shall expire, atthe latest, upon our receipt of a copy of the interim payment certificateindicating that ninety (90) percent of the Accepted Contract Amount, has beencertified for payment, or on the *[insertday]* day of *[insert month]*, 2 [insert year], whichever is earlier. Consequently, any demand for paymentunder this guarantee mustbe received by us at this office on or before that date.
This guarantee is subject to theUniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No.758,except that the supporting statement under Article 15(a) is hereby excluded.
.

_____
[signature(s)]

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

1 *The Guarantor shall insert an amount representing the amount of theadvance payment and denominated either in the currency(ies) of the advancepayment as specified in the Contract, or in a freely convertible currencyacceptable to the Purchaser.*