



**THE UNITED REPUBLIC OF TANZANIA
TANGA REGIONAL SECRETARIAT
TANGA CITY COUNCIL**



REQUEST FOR BID

TENDER No.: LGA/128/TACTIC/P171189/2024/2025/W/02

FOR

Tanga Package 2: Construction of of Makorora Market, Deep-Sea Fish Market and Redevelopment of Raskazone Public Beach Resort in Tanga City

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
TANGA REGIONAL SECRETARIAT
TANGA CITY COUNCIL**



Name of Project: Tanzania Cities Transforming Infrastructure and Competitiveness (TACTIC) Project(TACTIC)
Contract Title: Tanga Package 2: Construction of of Makorora Market, Deep-Sea Fish Market and Redevelopment of Raskazone Public Beach Resort in Tanga City
Loan No./Credit No./Grant No.: 7151-TZ
Project Reference No.: P171189
STEP Reference No.: 474495
RFB Reference No.: LGA/128/TACTIC/P171189/2024/2025/W/02

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 19/08/2024.
2. The TANGA CITY 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 Tanga Package 2: Construction of of Makorora Market, Deep-Sea Fish Market and Redevelopment of Raskazone Public Beach Resort in Tanga City . “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 TANGA CITY COUNCIL now invites sealed Bids from eligible Bidders for Tanga Package 2: Construction of of Makorora Market, Deep-Sea Fish Market and Redevelopment of Raskazone Public Beach Resort in Tanga City for:

S/N.	Description	Location	Quantity	Construction Period	Margin of Preference
1.	Tanga Package 2: Construction of of Makorora Market, Deep-Sea Fish Market and Redevelopment of Raskazone Public Beach Resort in Tanga City	Tanga City	Construction of of Makorora Market, Deep-Sea Fish Market and Redevelopment of Raskazone Public Beach Resort in Tanga City Note: The procurement of works under this Bid, will be executed concurrently with other Packages, hence requirements for award of multiple contracts shall be applicable. Refer to ITB 34.5 and	455	NOT_APPLICABLE

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 TANGA CITY COUNCIL, Head of Procurement Management Unit (PMU), Tanga City Council, 09 Barabara ya Hassan Ngwilizi, 21101 Central Tanga, P.O. Box 178, Tanga, 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 370,000,000.00.
10. Bids not received or opened through NeST shall not be accepted for evaluation irrespective of the circumstances.

accounting_officer_title
P.O BOX 178 TANGA



**THE UNITED REPUBLIC OF TANZANIA
TANGA REGIONAL SECRETARIAT
TANGA CITY COUNCIL**



**REQUEST FOR BIDS
for**

Tanga Package 2: Construction of of Makorora Market, Deep-Sea Fish Market and Redevelopment of Raskazone Public Beach Resort in Tanga City

RFB No: LGA/128/TACTIC/P171189/2024/2025/W/02

Project: Tanzania Cities Transforming Infrastructure and Competitiveness (TACTIC) Project(TACTIC

Employer: TANGA CITY 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	<p>Throughout this bidding document:</p> <ul style="list-style-type: none"> 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. <p>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</p>
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: <ul style="list-style-type: none"> 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.
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B. CONTENTS OF BIDDING DOCUMENTS

6. Sections of Bidding Documents	6.1	<p>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.</p> <p>PART 1 Bidding Procedures</p> <ul style="list-style-type: none"> · 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 <p>PART 2 Works' Requirements</p> <ul style="list-style-type: none"> · Section VII - Works' Requirements <p>PART 3 Conditions of Contract and Contract Forms</p> <ul style="list-style-type: none"> · Section VIII - General Conditions of Contract (GCC) · Section IX - Particular Conditions of Contract (PCC) · Section X - Contract Forms
	6.2	<p>The Specific Procurement Notice - Request for Bids (RFB) issued by the Employer is part of this bidding document.</p>
	6.3	<p>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.</p>
	6.4	<p>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.</p>
7. Clarification of Bidding Document, Site Visit, Pre-Bid Meeting	7.1	<p>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 bidding methods prior to bid submission deadline;</p> <p>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.</p> <p>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.</p> <p>c) PE's response shall include a description of the inquiry without identifying its source.</p>
	7.2	<p>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.</p>
	7.3	<p>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.</p>
	7.4	<p>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.</p>
	7.5	<p>The Bidder is requested, to submit any questions in writing, to reach the</p>

		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	<p>The Bid shall comprise the following:</p> <ul style="list-style-type: none"> 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.

		<p>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.</p>
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	<p>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:</p> <p>a) in the case of fixed price contracts, the Contract price shall be the Bid price adjusted by the factor specified in the BDS;</p> <p>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.</p> <p>b) in the case of adjustable price contracts, no adjustment shall be made; or</p> <p>c) in any case, Bid evaluation shall be based on the Bid price.</p>
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

	<p>option:</p> <p>(a) an unconditional guarantee issued by a bank or non-bank financial institution (such as an insurance, bonding or surety company);</p> <p>(b) an irrevocable letter of credit;</p> <p>(c) a cashier's or certified check; or</p> <p>(d) another security specified in the BDS,</p> <p>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.</p>
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: <ul style="list-style-type: none"> (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: <ul style="list-style-type: none"> 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; <ul style="list-style-type: none"> (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: <ul style="list-style-type: none"> 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 with ITB 48, <p>the Borrower may, if provided for in the BDS, declare the Bidder ineligible to be awarded a contract by the Employer for</p>

		a period of time 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: <ul style="list-style-type: none"> 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	<p>Multiple Contracts Pursuant to ITB 34.4 of the Instructions to Bidders, if Works are grouped in multiple contracts, evaluation will be as follows:</p> <p>(a) Award Criteria for Multiple Contracts [ITB 34.4]:</p> <p>Lots</p> <p>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 awarded to the Bidder or Bidders offering the lowest evaluated cost to the Employer for combined lots, subject to the selected Bidder(s) meeting the required qualification criteria for lot or combination of lots as the case may be.</p> <p>Packages</p> <p>Bidders have the option to Bid for anyone or more packages and for any one or more lots within a package. Bids will be evaluated package-wise, taking into account discounts offered, if any, for combined packages and/or lots within a package. The contract(s) will be awarded to the Bidder or Bidders offering the lowest evaluated cost to the Employer for combined packages, subject to the selected Bidder(s) meeting the required qualification criteria for combination of packages and or lots as the case may be.</p> <p>(b) Qualification Criteria for Multiple Contracts:</p> <p>Section III describes criteria for qualification for each lot (contract) for multiple lots (contracts). The criteria for qualification is aggregate 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 under item 4.2 (a) of Section III, the Employer will select any one or more of the options as identified below:</p> <p>N is the minimum number of contracts</p> <p>V is the minimum value of a single contract</p> <p>(a) For one Contract:</p> <p>Option 1:</p> <p>(i) N contracts, each of minimum value V;</p> <p>Or</p> <p>Option 2:</p> <p>(i) N contracts, each of minimum value V; or</p> <p>(ii) Less than or equal to N contracts, each of minimum value V, but with total value of all</p>

contracts equal or more than $N \times V$.

(b) For multiple Contracts

Option1:

(i) Minimum requirements for combined contract(s) shall be the aggregate requirements for each contract for which the Bidder has submitted Bids as follows, and N_1, N_2, N_3 , etc. shall be different contracts:

Lot 1: N_1 contracts, each of minimum value V_1 ;

Lot 2: N_2 contracts, each of minimum value V_2 ;

Lot 3: N_3 contracts, each of minimum value V_3 ;

---etc.

or

Option 2:

(i) Minimum requirements for combined contract(s) shall be the aggregate requirements for each contract for which the Bidder has submitted Bids as follows, and N_1, N_2, N_3 , etc. shall be different contracts:

Lot 1: N_1 contracts, each of minimum value V_1 ;

Lot 2: N_2 contracts, each of minimum value V_2 ;

Lot 3: N_3 contracts, each of minimum value V_3 ;

---etc., **or**

(ii) Lot 1: N_1 contracts, each of minimum value V_1 ; or number of contracts less than or equal to N_1 , each of minimum value V_1 , but with total value of all contracts equal or more than $N_1 \times V_1$.

Lot 2: N_2 contracts, each of minimum value V_2 ; or number of contracts less than or equal to N_2 , each of minimum value V_2 , but with total value of all contracts equal or more than $N_2 \times V_2$.

Lot 3: N_3 contracts, each of minimum value V_3 ; or number of contracts less than or equal to N_3 , each of minimum value V_3 , but with total value of all contracts equal or more than $N_3 \times V_3$.

---etc.

Or

Option3:

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

		<p>for which the Bidder has bid for as follows, and N1, N2, N3, etc. shall be different contracts:</p> <p>Lot 1: N1 contracts, each of minimum value V1;</p> <p>Lot 2: N2 contracts, each of minimum value V2;</p> <p>Lot 3: N3 contracts, each of minimum value V3;</p> <p>----etc., or</p> <p>(ii) Lot 1: N1 contracts, 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 or more than $N1 \times V1$.</p> <p>Lot 2: N2 contracts, 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 or more than $N2 \times V2$.</p> <p>Lot 3: N3 contracts, 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 or more than $N3 \times V3$.</p> <p>----etc., or</p> <p>(iii) Subject to compliance as per (ii) above with respect to minimum value of single contract for each lot, total number of contracts is equal or less than $N1 + N2 + N3$ --but the total value of all such contracts is equal or more than $N1 \times V1 + N2 \times V2 + N3 \times V3$ ----.</p>
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 price as 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:

		<ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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.
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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	<p>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:</p> <ul style="list-style-type: none"> 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	<p>If a Bidder wishes to make a Procurement-related Complaint, the Bidder shall submit its complaint through the system, to the Employer.</p> <p>In summary, a Procurement-related Complaint may challenge any of the following:</p> <ol style="list-style-type: none"> 1. the terms of the Bidding Documents; and 2. the employer's decision to award the contract.
50. Right to Review	50.1	<p>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.</p>
51. Time Limit on Review	51.1	<p>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.</p>
52. Submission of Applications for Review	52.1	<p>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).</p>
	52.2	<p>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.</p>
	52.3	<p>The application for administrative review shall include:</p> <ol style="list-style-type: none"> 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	<p>Upon receipt of a complaint, the Accounting Officer of a PE shall suspend the procurement proceedings.</p>
	52.5	<p>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.</p>
53. Decision by the Accounting Officer of PE	53.1	<p>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:</p> <ol style="list-style-type: none"> 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	<p>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</p>

		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	<p>Complaints or disputes which,</p> <ul style="list-style-type: none"> (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], <p>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].</p> <p>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.</p> <p>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.</p>
	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	<p>The number of invitations for Bids is: LGA/128/TACTIC/P171189/2024/2025/W/02</p> <p>The Employer is: TANGA CITY COUNCIL</p> <p>The reference number of the Request for Bids (RFB) is: LGA/128/TACTIC/P171189/2024/2025/W/02</p> <p>The name of the RFB is: Tanga Package 2: Construction of of Makorora Market, Deep-Sea Fish Market and Redevelopment of Raskazone Public Beach Resort in Tanga City</p> <p>The number and identification of lots (contracts) comprising this RFB are Not Applicable.</p> <p>Loan or Financing Agreement Amount: The United States dollarUSD 278,000,000</p> <p>The name of the Project is: Tanzania Cities Transforming Infrastructure and Competitiveness (TACTIC) Project.</p>
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 Tanga City on 25/02/2025 at 10:00 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 and The United States dollar. A Bidder expecting to incur expenditures in other currencies for inputs to the Works supplied from outside the Employer'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: 370,000,000.00. 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.
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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 And Road works. 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 and The United States dollar 200,000.00. 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
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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	2019-01-01
Litigation History End Year	2023-12-31

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 Description	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
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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
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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	15348960000
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)	2558160000
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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	2024-12-01

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
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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	2020-01-01
Specific Experience End Year	2024-12-31

Number of Specific Experience Contracts	2
Value of each specific experience contract in the specified tender currency	9593100000

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	2024-01-01
Number of contract	2
Contract value in the specified currency	9593100000

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	2024-12-31
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
Electrical Engineer	Degree in Electrical Engineering or equivalent	8	1
Mechanical/Services Engineer	Degree in Mechanical Engineering or equivalent	5	1
Structural Engineer	Degree in Civil/Structure Engineering or equivalent	8	1
Materials / Highway Engineer	Degree in Civil Engineering	8	1
Project Manager/Site Agent	Degree in Civil Engineering, Quantity Surveying or Architecture or equivalent	10	1
Architect	Degree in Architecture or equivalent	8	1
Land Surveyor	Degree or Advanced Diploma in Land Surveying	8	1
Quantity Surveyor	Degree in Quantity Surveying or equivalent	8	1
Environmental Expert	Degree in Environmental Science/Engineering or equivalent	8	1
ICT Engineer	Degree in ICT Engineering or equivalent	8	1
Social Expert	Degree in Social Science/Sociology or equivalent	8	1
Health and Safety Officer	Degree/Diploma in Health/Social/Environmental Sciences and Certification by OSHA or similar Bodies/Authorities.	5	1
Mechanical/Services Engineer	Degree in Mechanical Engineering or equivalent	5	1
Civil Technician	Certificate in Civil Engineering or equivalent	5	1
Electrical Technician	Certificate in Electrical 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
Back Hoe Excavator	0.5m3	N/A	N/A	1
Truck Mounted Crane	(5-10t)	N/A	N/A	1

Pneumatic Tyred roller	15 ton	N/A	N/A	1
Diesel Generator	500kW	N/A	N/A	1
Excavator	130kW/1.5m3	N/A	N/A	1
Smooth Drum Vibrating Roller	260kN/m/ 25Hz	N/A	N/A	1
Concrete Vibrator (Poker)	3 kw	N/A	N/A	1
Tamping Roller	10t	N/A	N/A	3
Concrete Pump	50m3/h	N/A	N/A	1
Wheel Loader	3.0m3	N/A	N/A	1
Steel Wheel Roller	10.0t	N/A	N/A	1
Tipping Truck	15.0m3	N/A	N/A	1
Concrete Truck Mixer	8.0m3	N/A	N/A	1
Tamping Roller	10t	N/A	N/A	1
Concrete Batching Plant	10.0t/hr	N/A	N/A	1
Mobile Crane	25 tons	N/A	N/A	1
Diesel Tank	10,000 lts	N/A	N/A	2
Pedestrian Roller	pc	N/A	N/A	2
Water Pumps	50mm	N/A	N/A	2
Asphalt Concrete and CRR Paving Machine	150 hp	N/A	N/A	1
Reinforcement Cutting Machine	Set	N/A	N/A	2
Bull dozers Tracked	240 hp	N/A	N/A	1
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

Mobilization Schedule (SCORE: N/A)

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

Mobilization Schedule	<p>Submit the mobilization schedule for the project and the following documents: . 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</p>
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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
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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 of contract]* under Request for Bids No. *[insert number]* ("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 *[insert amount in letters]* (*insert amount in numbers*) upon receipt by us of the Beneficiary's complying supported by the Beneficiary'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 to such 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 notification to 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 under this guarantee must be received by us at the office indicated above on or before that date.

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

[signature(s)]

Note: All italicized text is for use in preparing this form and shall be deleted from the final 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 of which sum, well and truly to be made, we, the said Principal and Surety, bind ourselves, our successors and assigns, jointly and severally, firmly by these presents.

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

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

- (a) has withdrawn its Bid prior to the Bid validity expiry date set forth in the Principal's Letter of Bid, or any extended date provided by the Principal; or
- (b) having been notified of the acceptance of its Bid by the Employer prior to the expiry 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 the Performance Security and, if required, the Environmental and Social (ES) Performance Security, in accordance with the Instructions to Bidders ("ITB") of the Employer's bidding document.

then the Surety undertakes to immediately pay to the Employer up to the above amount upon receipt of the Employer's first written demand, without the Employer having to substantiate its demand, provided that in its demand the Employer shall state that the demand arises from the occurrence of any of the above events, specifying which event(s) has occurred.

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

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

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

(Signature) (Signature)
(Printed name and title) (Printed name 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 an alternative]*

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-Securing Declaration.

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

- (a) have withdrawn our Bid prior to the expiry date of the Bid validity specified in the Letter of Bid or any extended date provided by us; or
- (b) having been 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 any extended date provided by us, (i) fail or refuse to execute the Contract, if required, or (ii) fail or refuse to furnish the Performance Security and, if required, the Environmental and Social (ES) Performance Security, in accordance with the ITB.

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

Name of the Bidder* *[insert complete name the Bidder]*

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

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

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

Date signed *_ [insert date of signing] day of [insert month], [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 to be attached with the Bid *[Note: In case of a Joint Venture, the Bid-Securing Declaration must 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 BY THIS POWER OF ATTORNEY given on the *[insert date, 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 *[insert Board Resolution Number]* of *[insert day]* day of *[insert Board Resolution 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 *[insert description 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 *[insert region]* for and on behalf of *[insert name of the company]*

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

DONOR

**BEFORE ME:
COMMISSIONER FOR OATHS
ACKNOWLEDGEMENT**

I *[insert name of Donee]* doth hereby acknowledge and accept to be Attorney of the said *[insert name of the company/donor]* under the terms and conditions contained in this POWER OF ATTORNEY and I promise to perform and discharge my duties as the lawfully appointed Attorney faithfully and honestly.

SIGNED AND DELIVERED by the said
[Insert name of Donee] Identified to me
by *[insert name]*

The latter known to me personally
This *[insert date, month and year]*,

DONEE

**BEFORE ME
COMMISSIONER FOR 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) of the 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 [enter name 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. using appropriate measures relating to chemical, physical and biological substances and agents; and
 - d. following applicable emergency operating procedures.
4. report work 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 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;
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] in writing at this address [] or by telephone at [] or in person at []; or

2. Call [] to reach the Contractor's hotline (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 [enter name of Contractor's contact person with relevant experience] requesting an explanation.

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 that he/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's Personnel.
- 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: <i>[indicate country of Constitution]</i>
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: _____
<p>1. Attached are copies of the original documents of</p> <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • Legal and financial autonomy • Operation under commercial law • Establishing that the Bidder is not under the supervision of the Employer <p>2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership. <i>[If required under BDS ITB 47.1, the successful Bidder shall provide additional information on beneficial ownership, using the Beneficial Ownership Disclosure Form.]</i></p>

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
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	Contract Identification: <i>[indicate complete contract name/ number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Reason(s) for nonperformance: <i>[indicate main reason(s)]</i>	

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 Contract (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 Contract (currency), USD (exchange
<i>[insert year]</i>	<i>[insert percentage]</i>	Contract Identification: [indicate complete contract name, number, and any other identification] Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Matter in dispute: <i>[indicate main issues in dispute]</i> Party who initiated the dispute: <i>[indicate "Employer" or "Contractor"]</i> Reason(s) for Litigation and award decision <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>

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 statements for number of years requested by employer pursuant Section III, Evaluation and Qualifications Criteria, Sub-factor 3.2. The financial statements shall:

- (a) reflect the financial situation of the Bidder or in case of JV member, and not an affiliated entity (such as parent company or group member).
- (b) be independently audited or certified in accordance with local legislation.
- (c) be complete, including all notes to the financial statements.

(d) correspond to accounting periods already completed and audited.

Attached are copies of financial statements for the number of years requested by employer; and complying with the requirements. Note: If the most recent set of financial statements is for a period earlier than 12 months from the date of bid, the reason 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 Qualification Criteria.

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. ...

Section V - Eligible Countries

**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 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.

PART 2: WORKS REQUIREMENTS

SPECIFICATIONS

Tender Number: LGA/128/TACTIC/P171189/2024/2025/W/02

List of related files, including specifications, drawings, etc.

LOT NO. LGA/128/TACTIC/P171189/2024/2025/W/02

Construction of markets and Redevelopment of Public Beach by June 2025

S/N	Description	File Name	Attachment Type	Download Link
1	REPORT	Vol 5 -Soils and Materials - TANGA.pdf	Reports	Download
2	DRAWING VOL 2B-BUILDING WORK SPECIFICATION	TANGA VOLUME 2B - SPECIAL SPECIFICATIONS.pdf	Specifications	Download
3	TANGA CC STUCTURE DRAWING, MAKORORA	drawing Structural-Makorora.pdf	Drawings	Download
4	VOLUME 2D	Vol 2D - Specifications for Building Works.pdf	Specifications	Download
5	DRAWING VOL 2B ROAD WORK SPECIFICATION	Vol 2B - Special Specs for Roadworks-FINAL.pdf	Specifications	Download
6	DRAWING , PLUMBING,ELECTRICAL AND DRAWING	Service Drawings.pdf	Drawings	Download
7	DRAWING VOL 2C	Vol 2C- ES Specifications.pdf	Specifications	Download
8	ARCHITECTURAL DRAWING B ARCHITECTURAL DRAWING C	Tanga CC - Architectural Drawings-Makorora, Deep sea, Raskazoni_Part3.pdf	Drawings	Download
9	ARCHITECTURAL DRAWING B	Tanga CC - Architectural Drawings-Makorora, Deep sea, Raskazoni_Part2.pdf	Drawings	Download
10	DRAWING VOL 2A	Vol 2A - Specifications Package 2_Tanga.pdf	Specifications	Download
11	ARCHITECTURAL DRAWING A	Tanga CC - Architectural Drawings-Makorora, Deep sea, Raskazoni_Part1.pdf	Drawings	Download
12	PREAMBLE	Vol 4 - BOQ Preamble.pdf	Other	Download
13	LAND SCAPE DRAWING	Drawing land scaping Makorora,Raskazone_opt.pdf	Sample	Download

DRAWINGS

Tender Number: LGA/128/TACTIC/P171189/2024/2025/W/02

List of related files, including specifications, drawings, etc.

LOT NO. LGA/128/TACTIC/P171189/2024/2025/W/02

Construction of markets and Redevelopment of Public Beach by June 2025

S/N	Description	File Name	Attachment Type	Download Link
1	REPORT	Vol 5 -Soils and Materials - TANGA.pdf	Reports	Download
2	DRAWING VOL 2B-BUILDING WORK SPECIFICATION	TANGA VOLUME 2B - SPECIAL SPECIFICATIONS.pdf	Specifications	Download
3	TANGA CC STUCTURE DRAWING, MAKORORA	drawing Structural-Makorora.pdf	Drawings	Download
4	VOLUME 2D	Vol 2D - Specifications for Building Works.pdf	Specifications	Download
5	DRAWING VOL 2B ROAD WORK SPECIFICATION	Vol 2B - Special Specs for Roadworks-FINAL.pdf	Specifications	Download
6	DRAWING , PLUMBING,ELECTRICAL AND DRAWING	Service Drawings.pdf	Drawings	Download
7	DRAWING VOL 2C	Vol 2C- ES Specifications.pdf	Specifications	Download
8	ARCHITECTURAL DRAWING B ARCHITECTURAL DRAWING C	Tanga CC - Architectural Drawings-Makorora, Deep sea, Raskazoni_Part3.pdf	Drawings	Download
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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 of the policy and/or code of conduct, the term "child" / "children" means any person(s) under the age of 18 years.

The policy should, as far as possible, be brief but specific and explicit, and measurable, to enable reporting of compliance with the policy in 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 be signed by the senior manager of the Employer. This is to signal the intent that it will be applied rigorously.

Minimum Content of ES requirements

In preparing detailed specifications for ES requirements, the specialists 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 Guidelines

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: Construction of markets and Redevelopment of Public Beach by June 2025

Code/SN	Description	Unit of Measure	Quantity	Unit Rate	Total
PART B8: Deep Sea Fish Market-Plumbing External					
BILL No 3	MEASURED WORKS				
ELEMENT No.8	PLUMBING AND ENGINEERING INSTALLATIONS				
1	SANITARY APPLIANCES				
A	Allow for upgrade water supply system from main public system include supply and lay 50mm diameter HDPE pipe to underground water storage tank including fitting and accessories excavation backfilling and disposal.	Item	1.00		
B	Allow for supply and installation of water meter	Nr	1.00		
C	Supply and lay 50mm diameter PPR pipe from water booster pump to the overhead tank including fitting and accessories; excavations; backfilling and disposal	m	170.00		
D	i)Ditto 40mm	m	72.00		
E	Provide for the construction of underground water tank of 100cum with wall inside surface sealed against water seepage andpartitioned. Construction to be as per drawings and in accordance with structural engineer's specifications. Supply and install float ball valves for overflow prevention Provide 5.3mdiameter, 4.85m depth.	Nr	1.00		
F	Allow for installation of elevated ROOF water tank of 10,000L	Nr	4.00		
G	Allow for ball valve, gate valves to roof water tank	Item	1.00		
H	Supply water transfer pump set (1duty+1Standby) submersible pump for water supply GRUNDFOSS Capacity ; Q= 10m ³ /hr; Head 15M GRUNDFOSS including starters control panel, float switches, dry running protection, tanks level control and alarm	Nr	2.00		
J	Allow for the supply,install and commisioning of power surge protection to the pump control panel with 50KA peak discharge current and 100nS response time.	Nr	1.00		
K	(i) Ditto 125mm dia	m	32.00		
L	(ii) Ditto 110mm dia	m	152.00		
M	(iii) Ditto 90mm dia	m	14.00		
N	(iv) Ditto 75mm dia	m	190.00		
P	Supply and install vent pipes diameter 110mm (uPVC) "C"	Nr	21.00		
Q	Allow for construction of foulwater	Nr	42.00		

	manhole of internal dimensions 450 X 450mm depth to invert level not exceeding 500mm comprising 200mm plan concrete grade "C" bend 230mm blockwall plastered internally				
R	Allow for 450X450mm Mild steel manhole cover 5mm heavy duty standard EN 1242 Material mild steel 304 including frame	Nr	42.00		
S	Allow for gully trap, size 300 x 300mm with cover	Nr	8.00		
T	Excavate trench not exceeding 1.5 m deep and average 500mm width for laying sewerage pipes not exceeding 200mm diameter from gully or first manholes to final manhole including backfilling.	Nr	678.00		
U	Construction of Settling Chamber Comprising of concrete block grade 25 wall bedded and jointed in cements and sand (1:3) mortar, 100mm thick grade 25 insitu concrete beams around finished fair including cover and all fittings. (e.g cover slab, sand cement mortar including all excavations, formwork and disposal of surplus excavated materials).	Nr	5.00		
V	Supply and install rainwater pipework,250mm diameter PVC including fixing and fixtures (vertical pipework).	M	150.00		
W	Supply and install 200mm diameter fulbora for rain water drainage	Nr	18.00		
X	Supply and install 200mm diameter down pipe for rain water	Nr	54.00		

PART C4: Makorora Market- Electrical External

BILL No 3	MEASURED WORKS				
ELEMENT No.9	ELECTRICAL INSTALLATIONS				
i	Supply and install the following:				
a	MAIN CIRCUITS INSTALLATIONS Supply from 33kV HT pole to transformer 3core x 95mm ² CU/XLPE/SWA/PVC 33kV grade cable to Transformer	m	70.00		
b	LOW VOLTAGE (LV) MAIN CIRCUITS INSTALLATIONS Supply from Transformer to Automatic changeover 2runsx 4core x 240mm ² CU/ XLPE/SWA/PVC cable	m	140.00		
c	Supply from Generator to ATS 2runsx 4core x240mm ² CU/ XLPE/SWA/PVC cable	m	84.00		
d	Supply from Automatic changeover to 630A Main panel board 2runsx 4core x240mm ² CU/ XLPE/SWA/PVC cable	m	35.00		
e	Control cable from 250kVA generator to automatic interlocking device 3c X 2.5mm ² CU/XLPE/SWA/PVC cable	m	84.00		
f	MAIN CIRCUITS COMPONENTS Supply	Nr	1.00		

	and install 250kVA, 400V, 50Hz prime diesel Generator complete with battery and battery charger,starter,acoustinc canopy, all necessary installation accessories manufactured by CATERPILLAR/PERKINS/cummins or equal approved by Engineer				
g	Supply and install 315kVA ,33/0.4kV ,50Hz ,DYN11 ,Delta -star transformer with transformation ratio adjustment +/- 2x2.5%;outdoor type, floor mounted complete with all necessary installation accessories and earthing system with not more than 1 ohm	Nr	1.00		
h	Supply and install 630A three phase and neutral automatic Electrical/Mechanical change over switch	Nr	1.00		
i	Supply and fix the following Low Voltage Panel and accessories to surface andbackgrounds requiring plugging; ABB,Hitachi, Schneider, Eaton or similar approved by Engineer with sheet steel case; fully shrouded;MCCB and 415V,surge arrestors Supply and install 8 ways 630A TP&N, IEC 439-1, BS 5486, type tested Assemblymain Panel Board with incoming device 630A MCCB and outgoing devices three phase MCCBs intergral with 65kA surge arrester; 150kVAr automatic power factor correction, and PLC to monitor power from Transformer.	Nr	1.00		
j	Cable trays installation c/w all accessories as MK Matrix or equivalent approved by engineer 100mm uPVC duct	m	70.00		
a)	DISTRIBUTION SYSTEM				
A	Supply to accessories and equipment ; 3 x 4mm ² core cable and upvc conduit ; bends etc,from the switches to the lights lighting circuits ; light points ; in 10Nr.	Nr	7.00		
B	3 x 1c x 2.5mm ² core copper cable and upvc conduit ; bends etc, power outlet circuits ; socket outlet points in 10Nr	Nr	7.00		
b)	POWER POINTS				
A	Photocell sensor switch ACCESSORIES Switches ; MK Logic Plus Catalogue, Legrand and ABB brand 10 amp : two gang ; one way Ref K4871 WHI	Nr	2.00		
B	Switch sockets outlets; MK Logic plus, Legrand and ABB brand Waterproof Twin 13A switch socket outlets ref.no. K2747 WHI	Nr	7.00		
C	EQUIPMENT Supply and fix the following lighting equipments and Luminaires ; complete with control gear,lamps tubes or bulbs and all accessories as Oppl lighting, Phillips lighting, Jaguar lighting or equal approved by Engineer LED Floodlight-E IV	Nr	7.00		

	30W-3000-GY-GP, as in opple lighting				
D	SUB-METER Payless DS3000 1phase STS Prepayment meter	Nr	41.00		
ii	EARTHING SYSTEM				
A	Earth protection system: Provide all necessary earthing high voltage conductivity electrodes with drive head assemblies and earthing clamps with link to earth rods/earth pit and 1cx240mm ² Copper cable PVC Yellow/Green; cables run in parallel for the MPB and all other distribution board for the entire electrical installation system	Item	1.00		
B	Provide all necessary earthing high voltage conductivity electrodes with drive head assemblies and earthing clamps with link to earth rods/earth pit and 1cx70mm ² Copper cable PVC Yellow/Green; cables run in parallel for the transformer	Item	1.00		
C	Provide all necessary earthing high voltage conductivity electrodes with drive head assemblies and earthing clamps with link to earth rods/earth pit and 1cx240mm ² Copper cable PVC Yellow/Green; cables run in parallel for the generators	Item	1.00		
D	MANHOLE 600x600x1000mm concrete manhole with watertight cover	Nr	3.00		
E	LIGHTNING PROTECTION 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	280.00		
F	1000mm height Air terminal - single head	Nr	5.00		
PART B9: Deep Sea Fish Market-Electrical External					
BILL No 3	MEASURED WORKS				
ELEMENT No.9	ELECTRICAL INSTALLATIONS				
i	Supply and install the following:				
a	Allow sum for working drawings as specified in the General specifications	Item	1.00		
b	Allow for preparation of "As Built Drawings" (A2 paper) as specified in the General specifications	Nr	4.00		
c	Allow sum for producing operational and maintenance manuals as specified	Nr	1.00		
d	Allow sum for maintenance during defect liability period	Item	1.00		
A	Supply from 33KV HT pole to transformer 3core x 70mm ² CU/XLPE/SWA/PVC 33kV grade cable to Transformer	m	30.00		
B	Supply from Transformer to Automatic changeover 4core x185mm ² CU/ XLPE/SWA/PVC cable	m	30.00		

C	Supply from Generators to ATS 4core x185mm ² CU/ XLPE/SWA/PVC cable	m	50.00		
D	Supply from Automatic changeover to 250A Main panel board 4core x185mm ² CU/ XLPE/SWA/PVC cable	m	40.00		
E	Control cable from 200kVA generator to automatic interlocking device 3c X 2.5mm ² CU/XLPE/SWA/PVC cable	m	50.00		
F	Supply from MDB to Water Pump Distribution Board 4core x 25mm ² CU/ XLPE/SWA/PVC cable	m	40.00		
G	4core x 35mm ² CU/ XLPE/SWA/PVC cable	m	40.00		
i	Supply and install 150kVA, 400V, 50Hz standby diesel Generator complete with battery and battery charger, starter, acoustinc canopy, all necessary installation accessories manufactured by CATERPILLAR/PERKINS/cummins or equal approved by Engineer	Nr	1.00		
ii	Supply and install 200kVA, 33/0.4kV, 50Hz, DYN11, Delta -star transformer with transformation ratio adjustment +/-2x2.5%; outdoor type, floor mounted complete with all necessary installation accessories and earthing system with not more than 1 ohm	Nr	1.00		
iii	Supply and install 3ph 50Hz 415V 250A three phase and neutral automatic change over switch	Nr	1.00		
iv	Supply and install 10 ways 250A TP&N, IEC 439-1, BS 5486, type tested Assemblymain Panel Board with incoming device 250A MCCB and outgoing devices three phase MCCBs intergral with 35kA surge arrester; and PLC to monitor power from Transformer, link with the generators when power is cut.	Nr	1.00		
v	6 ways TPN weather proof Distribution panel; 125Amps rating with outgoingdevice 3P MCCB standard IEC 439-1, BS 5486, type tested assembly c/w 36kA surgearrester for DBP-pump	Nr	1.00		
vi	Isolator 63 amp ; 3ph 50Hz 415V 4pole isolator for cold room	Nr	1.00		
1	Sunskill 80W LED Integrated solar street light with 5m galvanized pole c/w battery, warm lightblack/grey color pole, dusk till dawn, all necessary accessories to enable it to work including construction of foundation. Type S	Nr	30.00		
2	LED Floodlight-E IV 30W-3000-GY-GP, as in opple lighting	Nr	7.00		
ii	EARTHING SYSTEM				
A	Provide all necessary earthing high voltage conductivity electrodes with drive head assemblies and earthing clamps with link to	Item	1.00		

	earth rods/earth pit and 1cx90mm ² Copper cable PVC Yellow/Green; cables run in parallel for the DBM and all other distribution board for the entire electrical installation system				
B	Provide all necessary earthing high voltage conductivity electrodes with drive head assemblies and earthing clamps with link to earth rods/earth pit and 1cx90mm ² Copper cable PVC Yellow/Green; for the transformer	Item	1.00		
C	Provide all necessary earthing high voltage conductivity electrodes with drive head assemblies and earthing clamps with link to earth rods/earth pit and 1cx90mm ² Copper cable PVC Yellow/Green; cables for generator	Item	1.00		
D	Provide sum for testing and commissioning the foregoing and requirements described in the Specifications	Item	1.00		
E	CO-ORDINATION Allow sum for payment to TANESCO for the application, supervision, supply and installation of HV electrical metering unit, extension of HV line, testing and commissioning	Item	1.00		
ELEMENT No. 13	ICT INSTALLATION				
b)	IP SURVEILLANCE CAMERA (CCTV) SYSTEM INSTALLATION				
i)	Supply, install, connect, test and commission as per drawings and specifications including all necessary equipments to the satisfaction of engineers.				
A	Circuits from NVR to cameras for CCTV installation in 10Nr points	Nr	10.00		
B	8 MP Smart Hybrid, Day & Night, outdoor Bullet Network Camera	Nr	10.00		
C	PTZ Camera HDZP304DI Zoom WDR PTZ IP Camera 30X optical zoom with 360° continuous rotation, True WDR 120 dB for clear, glare-free images	Nr	2.00		
D	Network video recorder IP video input: 32-ch, 2U, 8k Two-way audio input: 1-ch, RCA audio output: 2-ch, upto 12 Megapixels resolution recording, Support 2 HDMI output, 2 VGA, upto 320Mbps incoming and 400Mbps outgoing bandwidth, c/w software and licence	Nr	1.00		
c)	CCTV CONTROL ROOM INSTALLATION				
i)	Supply, install, connect, test and commission as per drawings and specifications including all necessary equipments to the satisfaction of engineer				
A	24-slot storage with 24 pcs 10TB SATA IOT HDD, HIK DS-A81024S/240	Nr	1.00		
B	55" 4K LED monitor display wall mount including its mounting Accessories	Nr	1.00		
C	Connection of data network from existing switch to NVR	Item	1.00		

D	Network keyboard with joystick DS-1600KI	Nr	1.00		
E	Provision sum for the testing and commissioning of the foregoing installation in accordance with the rules and regulations	Item	1.00		

PART B4: Deep Sea Fish Market-Mosque

BILL No 3	MEASURED WORKS				
ELEMENT No.1	SUBSTRUCTURE (ALL PROVISIONAL)				
1	Excavation and Earthworks;				
A	DEMOLISHING Demolishing; making good all work disturbed Existing roof; comprising of roofing tiles and purlins; Pulling down to floor level; existing wall or partitions; making good work disturbed	Item	1.00		
B	Blockwork walls; 230 mm thick or 150mm thick	Item	1.00		
C	Carefully removing existing services; Electrical installation; shutting off from mains supply; remove switches, fittings and equipment;	Item	1.00		
D	Plumbing installations; shutting off from mains supply; remove pipes, fittings and equipment;	Item	1.00		
E	Clearing the site; frubbong up rootsbushes, shrub, undergrowth or the like; small trees not exceeding 600 mm girth	m2	162.00		
F	Excavating Surfaces to reduce leves average 300 mm deep; to remove vegetable soil	m2	161.00		
G	Trenches Excavation,	m3	105.00		
H	Pits; to receive column foundations; starting from stripped level; not exceeding 1.50 m deep	m3	37.00		
I	1.50 m to 3.0 m deep	m3	7.00		
J	Extra over all kind of excavations irrespective of depth for breaking up rock	m3	11.00		
K	DISPOSAL Importated Backfill and Surplus Materials Earth backfilling well rammed and consolidated around foundations	m3	153.00		
L	Filling to make up levels under floors; over 300 mm thick; depositing and compacting in layers maximum 150 mm thick; levelling	m3	42.00		
M	Load surplus excavated material and remove from site	m3	56.00		
2	Disposal of water:				
A	Keeping excavations free from general water	Item	1.00		
3	Planking and strutting.				
A	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	Beds; 200 mm thick; depositing and compacting; levelling; sand blinding	M2	145.00		
B	At the Rate of 7 litres per square metre; to hardcore beds and tops of foundation walls	m2	145.00		
C	At the Rate of 80 litres per cubic metre; to backfilling	m3	7.00		
D	Concrete blocks; B.S 6073; type A; 7.0 N per square millimetre; solid; in cementmortar (1:4); including 8 mm diameter 400 mm long wall ties at every secondcourse to join concrete and block works 230 mm Thick walls	m2	87.00		
5	Soil sterilization:				
6	Damp Proof Membrane				
7	CONCRETE WORK:				
	Plain insitu concrete grade '15'				
A	Blinding; 50 mm thick	M2	85.00		
	Reinforced insitu concrete grade '25'; vibrated; including vibrating around reinforcements:				
A	Foundations in trenches; irrespective of thickness	m3	15.00		
B	Foundations to isolated stanchions or the like; irrespective of thickness	m3	9.00		
C	Ground beams; irrespective of thickness	m3	11.00		
D	Beds; 150 mm thick	m2	140.00		
E	Ramps; 150 mm thick	m2	3.00		
F	Columns; vertical or sloping exceeding 15 degrees from horizontal; irrespective of sectional area	m3	3.00		
G	Steps, staircases or strings; generally	m3	2.00		
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	08mm Diameter	Kg	264.00		
B	10mm Diameter	Kg	528.00		
C	12mm Diameter	Kg	1,407.00		
D	16mm Diameter	Kg	1,538.00		
E	20mm Diameter	Kg	660.00		
II	Fabric Wiremesh				
A	Reference A 252; mesh 200 x 200 mm; weight 3.95 kg per square metre; in any location	m2	141.00		
9	Formwork:				
	Vertical or battering surfaces				
A	Vertical or battering sides of foundations or the like	M2	80.00		
B	Vertical or battering sides of columns or the	m2	30.00		

	like				
C	Sides and soffits of beams or the like	m2	318.00		
D	"Edges of beds or the like; 75 to 150 mm wide 75 to 150 mm wide; "	m	37.00		
E	Sides or risers of steps or staircases; 75 to 150 mm wide	m	30.00		
F	Horizontal; over 300 mm wide DPM	m2	140.00		
2.i	150 mm Thick suspended floors or the like For FRAME	m2	53.00		
2.ii	Beams; horizontal or sloping not exceeding 15 degrees from horizontal irrespective of sectional area (FRAMES)	m3	15.00		
2.iii	Columns; vertical or sloping exceeding 15 degrees from horizontal irrespective of sectional area	m3	4.00		
2.iv	Ramps; 150 mm thick	m2	2.00		
2.v	Steps, staircases or strings; generally	m3	1.00		
2.vi	Landings; horizontal; 150 mm thick (FRAMES)	m2	1.00		
12.i	Reinforcements for Frames (8mm diameter bars)	Kg	135.00		
12.ii	10mm bars for Frames	Kg	270.00		
12.iii	12mm bars for Frames	Kg	718.00		
12.iv	16mm bars for Frames	Kg	788.00		
12.v	20mm bars for Frames	Kg	337.00		
4.i	Soffits of suspended floors or the like (for Frames)	m2	54.00		
4.ii	Sloping soffits of suspended floors or the like (For FRAMES)	m2	2.00		
4.iii	Vertical or battering sides of columns or the like (For FRAMES)	m2	52.00		
4.iv	Sides and soffits of beams or the like; horizontal (For FRAMES)	m2	121.00		
4.v	Edges of suspended floors or the like 75 to 150 mm wide (For FRAMES)	m	54.00		
4.vi	Sides or risers of steps or staircases 75 to 150 mm wide (For FRAMES)	m	9.00		
4.vii	Sides or risers of steps or staircases 150 to 225 mm wide	m	11.00		
4.viii	Fabric; B.S.4466 Reference A 252; mesh 200 x 200 mm; weight 3.95 kg per square metre; in any location	m2	53.00		
10	WALLING				
	Solid concrete blocks to BS 6073 Type 'A' dense aggregate, average compressive strength 7N/sq mm; in cement mortar				
A	100 x 300 mm	M	13.00		
B	Copings 100 x 380 mm extreme thickness; twice weathered; twice 15 mm thickthroated; reinforced as necessary for	m	27.00		

	handling; bedding, jointing and pointing in cement (1:4) mortar: to architectural details				
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	150 mm Thick walls	M2	134.00		
B	B.S. 8102; bitumen hessian base; 150 mm laps Horizontal; 230 mm wide DPC	m	41.00		
C	B.S. 8102; bitumen hessian base; 150 mm laps 230 mm wide DPC	m	48.00		
D	150 mm Thick walls	m2	95.00		
E	Allow for checking installations are set truly square before making good or plastering and for cutting any necessary chases or holes in concrete or blockwork and finishing for conduits and fittings connection with the following electrical installations	Item	1.00		
F	Allow for checking installations are set truly square before making good or plastering and for cutting any necessary chases or holes in concrete or blockwork and finishing for conduits and fittings connection with the following mechanical and plumbing installations	Item	1.00		
G	DAMP PROOF COURSES B.S. 8102; bitumen hessian base; 150 mm laps 230 mm wide	M	48.00		
H	BLOCKWORK Perforated Concrete blocks; solid; in cement mortar (1:4); including 8 mm diameter 400 mm long wall ties at every second course to join concrete and block works 150 mm Thick walls	M2	72.00		
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	Coverings; fixing to steel purlins at 1500 mm general spacing with galvanised steel hook bolts, nuts, neoprene washers and caps; one on a half trough side laps; 150 mm end laps sloping not exceeding 45 degrees from horizontal sloping not exceeding 45 degrees from horizontal	M2	142.00		
B	Cappings to ridges; 380 mm girth; fixing with galvanized steel bolts, nuts, neoprene washer and caps	m	10.00		
C	C 50 X 150 C20 Steel Truss	m	131.00		
D	50 X 75 C20 Steel Truss	m	110.00		

E	M.S Steel Anchor bolt 20mm, 250mm long bolt	Nr	132.00		
F	Bolts Mild steel bolts , washer, nuts,including drilling holes 12mm Diameter steel bar;	No	176.00		
G	FASCIAL BOARD 25 x 250mm thick hardwood fascial board primed; 2 coats gloss painted	m	41.00		
H	Prepare one coat zinc rich primer followed by two coats matt enamelgloss paint to manufacturers instructions to metal work surfaces surfaces over 100 but not exceeding 200 mm girth	m	240.00		
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	800 x 3000 mm overall size; type D01	No	5.00		
B	1500 x 2900 mm overall size; type D02	No	3.00		
C	50 x 150 mm Frames; one labour; plugging	m	44.00		
D	50 x 100 mm Transomes; two labours	m	7.00		
E	20 x 50 mm Architaves	m	88.00		
6	IRON MONGERY				
	Supply and fix the following ironmongery; HAFELE/UNION or other equal and approved; to hardwood with matching screws.				
A	100 mm fire rated butt hinges	Prs	10.00		
B	Lockset/ mortise with face plate	No	7.00		
C	Lock cylinder	No	3.00		
D	Fire rated overhead hydraulic door closer with back check	No	7.00		
E	Kick plates; 150 mm wide x 1.5 mm thick; 1000 mm wide	Nos	13.00		
F	Push plate; 382 x 100 mm; 1.5 mm thick with "PUSH" symbol	No	7.00		
G	Pull plate; 382 x 100 mm; 1.5 mm thick with "PULL" symbol	No	7.00		
H	Pull handle; 900 mm long x 38 mm diameter	No	3.00		
I	WC red/green indicating disc with escutcheons and dead lock with emergency opening function	No	5.00		
J	signage; 70 mm diameter; satin finish	No	3.00		

K	door stop	No	7.00		
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 Approval"				
A	1800 x 3000 mm high; overall size; in panes; type W01	No	4.00		
B	2100 x 2700 mm high; overall size; in panes; type W02	No	3.00		
ELEMENT No. 14	FINISHING				
a)	INTERNAL FINISHINGS				
ii)	Wall finish:				
a)	Internal Plastering				
A	12 mm One coat work; to concrete or blockwork base; generally to walls	M2	134.00		
B	ceilings; horizontal; over 300 mm wide	m2	54.00		
C	sides and soffits of beams	m2	121.00		
D	Vertical or battering sides of columns or the like	m2	52.00		
c)	Beds and backings				
A	600 x 600 x 15 mm; butt joints at 45 degrees both ways to cement and sand base; generally to floors	M2	154.00		
B	600 x 200 x 8mm; butt joints straight both ways to cement and sand base; generally to walls	m2	104.00		
C	40 mm one coat beds; screeded; to receive porcelain tiles; to concrete base; generally to floors	m2	154.00		
D	12 mm one coat backings; screeded; to receive wall tiles; to concrete or block work base; generally to walls	m2	104.00		
i	Gypsum plasterboards; taping, filling and skimming joints with filler;galvanized drive screws; head holes filled and sanded taped andscrimmed board joints; all to receive direct decoration; internal 9 mm Thick; to	m2	154.00		

	timber base generally to ceilings				
ii	Extra; form cornice; 10 x 10 mm recessed	m	320.00		
iii	Extra; access panels 600 x 600 mm; metal framing all round, fixing with chromium plated screws and cup washers	No	2.00		
b)	EXTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings).				
A	12 mm One coat work; to concrete or blockwork base; generally to walls	M2	134.00		
C	Sides and soffits of beams	m2	0.00		
ii)	Wall finish				
a)	External Plastering				
A	12 mm one coat work; to concrete or blockwork base; generally to plinths	M2	81.00		
ELEMENT No. 15	PAINTING AND DECORATING				
a)	INTERNAL WORK:				
A	Walls over 300 mm wide	m2	134.00		
B	Ceilings; horizontal; over 300 mm wide	m2	54.00		
C	Sides and soffits of beams	m2	121.00		
D	Vertical or battering sides of columns or the like	m2	52.00		
E	Wood surfaces; internal General surfaces over 300 mm wide	m2	39.00		
F	Frames or the like 200 to 300 mm girth	m	44.00		
iii)	Varnish and the Like				
A	Wood floated rendered surfaces; external Walls over 300 mm wide	M2	134.00		
B	Steel trowelled rendered surfaces; external over 300 mm wide	m2	81.00		
ELEMENT No. 16	ROOF STRUCTURE AND COVERING				
	ROOF STRUCTURE.				
	Wrot Hardwood- Fascia board				
PART A1: Preliminaries					
BILL NO. 1	PRELIMINARIES AND GENERAL MATTERS				
PART C	PRELIMINARY ITEMS AND GENERAL MATTERS				
II	EQUIPMENT, PLANTS, TOOLS AND VEHICLES				
A	Plant, Tools and Vehicles The Contractor shall be responsible for the provision of all plant, tools, and vehicles and workmen required for the Works except in so far as may be stated otherwise herein or except for such items specifically and only required for the use of and provided by Client appointed agents as described herein. Safety, Health and Welfare of the work people The Contractor shall be responsible for and shall	LS	1.00		

	<p>ensure the safety and welfare of his work people, and those of his Subcontractors, Client appointed agents, Nominated Suppliers and persons employed directly by the Employer. Allow for securing OSHA certificate, providing and maintaining on the site adequate medical facilities and approved first aid equipment kept fully replenished and in an accessible position. The contractor shall comply and observe all necessary measures against Covid-19 as directed by Government Authorities.</p>				
B	<p>Notices and Fees The Contractor shall give all notices in accordance with the Conditions of Contract. The Contractor shall pay all fees and charges required in the Conditions of Contract, regulatory authorities and any Local Authority where the Works are being executed. The amount of all such fees and charge shall be deemed to be included in the Contract Sum. Those in respect of the following items are included elsewhere in this Document if applicable to the Works. Hoardings Water for the work or Statutory Undertakings.</p>	LS	1.00		
C	<p>Setting out the works The Contractor shall set out the Works in accordance with the dimensions and levels shown on the Drawings and shall be responsible for the correctness of all dimensions and levels so set out by him and will be required to amend all errors arising from inaccurate setting out at his own cost and expense. In the event of any error or discrepancy in the dimensions or levels marked on the Drawings being discovered such errors or discrepancies must be reported by the Contractor to the Project manager for his immediate attention. No work shall be commenced by the Contractor until he has received written instructions from the Project manager to adjust such discrepancies which may be proved. Upon receipt of such instructions the Contractor shall there upon be responsible for the accurate setting out of the works, giving effect to the adjustments necessary to comply with such instructions, and no claim for extra expense based on any discrepancy or error in the dimensions or levels shown on the Drawings may be made thereafter. Contractor's Supervision The Contractor shall provide full and adequate supervision during the progress of the works and shall keep a competent and authorized Agent or General foreman, approved by the Project manager (which approval may be withdrawn at any time) constantly on the works. Such authorized Agent or General Foreman shall give his whole time to the supervision of the works and must be able to read and speak English, to receive and act</p>	LS	1.00		

	upon (on behalf of the Contractor) all instructions, directions, or orders issued by the Project manager or his representative. No work shall be carried out at night or on gazetted holidays unless authorized by the Project manager in writing.				
D	Labour and fair wages The Contractor shall provide all labour and shall include for all costs arising from the current Government regulations regarding annual leave and passages, medical facilities, public holidays, overtime, training levy, income tax, housing, travelling allowances, wages and salaries, and any other statutory requirement current at the date of tender. The Contractor shall pay rates of wages and observe hours and conditions of labour not less favourable than the minimum rates of remuneration and minimum conditions of employment applicable in the district in which the work is carried out as laid down by the Regulations of Wages and Conditions of Employment Act, Building and Construction Industry Wages Council. The relevant notice must be kept posted upon the site where it can be conveniently read by the employees concerned. Watching and Security The Contractor shall provide all watching and security and everything else necessary by day and night for the due protection and Security of the Works and the public and other persons. He shall provide all barriers, notices, watchmen to prevent access of unauthorized persons into the site. The Contractor will be liable for all consequences of theft from the site of his own or Subcontractors or Suppliers materials or equipment. Any such theft will not relieve the Contractor of his liability for completion the Works on time.	LS	1.00		
E	Maintenance of public and private roads and services The Contractor shall be responsible for all damage to roads, (whether public or private), crossovers, services and the like arising out of, or in the course of, or by reason of the execution of the works and shall be responsible for observing any by-laws or other regulation imposed by a competent authority regarding the keeping of such roads free from mud, filth, etc, arising as aforesaid. Police regulations The Contractor shall at all times observe any police regulations including those regarding the loading or unloading or any waiting by vehicles on the public highway and the Contract Sum shall be deed to include for strictly compliance therewith.	LS	1.00		
F	Progress chart, progress reports and progress photographs Immediately after signing the Contract the Contractor is to prepare a time and progress chart showing	LS	1.00		

	<p>the time and order in which he proposes to carry out the works within the total construction time stated in the Contract. The chart shall show in detail the construction time and order in which each section of the work is to be carried out and be subdivided into trades or tasks. Where the Contract is made up of individual buildings a separate chart shall be provided for each. Upon the letting of Subcontracts the Contractor is to incorporate similar times and details of each separate Subcontractor's work (which information is to be provided by the Subcontractor) and the chart shall be so designed to accommodate this information. At the end of each week the Contractor is to mark on the chart, in a different colour, the actual time taken to complete the respective stages and sections of the work. The Contractor shall also show upon the chart the anticipated weekly labour strength required upon the site (divided into labourers and craftsmen) and shall similarly mark up the actual numbers employed. Copies of the completed chart are to be supplied to the Project manager Two days before each of the scheduled site meeting the Contractor shall submit a progress report in triplicate to the Project Manager indicating the periodic progress and giving details of any delays caused by inclement weather or other reasons beyond his control. The report must include information on labour employed, and the progress of all trades, including Agents appointed by the Client. Also the Contractor shall submit three copies of progress photographs clearly indicating the date and time of the activity shown on the photograph.</p>				
G	<p>Checking schedules, drawings, etc The Contractor shall be responsible for checking all schedules and drawings supplied by the Project manager and all shop drawings approved by the Project manager. In the event of any discrepancy being found between such schedules and drawings or if the Contractor considers that additional detail drawings are required, then in either case the Contractor shall report such discrepancy to the Project manager for instruction or apply in writing for such detail at least 28 days before the works concerned are to be executed. The Contractor shall ascertain from the drawings or otherwise any holes, recesses, plugs, etc, which may be required in time to form these as the works proceed. No extra payment will be allowed for cutting or forming such holes, recesses, or plugging. Subsequently. The Contractor's attention is drawn to the requirements for the submission of samples, shop drawings, certificates and guarantees</p>	LS	1.00		

	contained in previous or subsequent items of this Document.				
H	<p>SUFFICIENCY OF TENDER The Contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and stated in the priced Bills of Quantities. Rates and prices quoted shall cover all his prices obligations under the contract and all matters and things necessary for the proper completion and maintenance of the works. Samples Samples of proposed materials and workmanship shall, if required by the Project manager, be submitted for approval, and those samples will be left on site by the Project manager who shall have power to reject all such materials and condemn such workmanship that does not correspond with the approved sample. The following samples (and others as directed by the Project manager) shall be provided; tiles, doors, sanitary fittings, electrical fittings, painting, and glass panels.</p> <p>Tests The Project manager may, whenever he considers it desirable, test any materials before they leave the maker's premises as well as after delivery on the site, and the Project manager shall be at liberty to reject any materials after delivery should he consider them unsatisfactory, notwithstanding the preliminary test and approval of the materials at the maker's premises. The costs of these tests are to be borne by the Contractor. When directed by the Project manager, samples of materials (the samples being taken by approved sampling methods) are to be supplied by the Contractor for laboratory tests and shall be delivered by the Contractor at his own cost to the Project manager office or as otherwise directed. The Contractor shall, whenever so instructed by the Structural Engineer, prepare all equipment for pile testing as specified in the measured works section. The Contractor shall keep photographs of instruments readings, ensure safety of performers and observers of pile testing The Contractor shall, whenever so instructed by the Project manager, cut out sections of work executed or samples of materials incorporated therein and shall deliver them where directed for the purpose of testing. All work disturbed shall be made good forthwith by the Contractor. All costs incurred in cutting out, making good and delivering as aforesaid, shall be borne by the Contractor unless the result of the test shows that the materials etc, are in accordance with this Contract. The contractor shall and as Project manager may instruct during execution, provide samples for all kind of testing including physical</p>	LS	1.00		

	<p>destructive Testing Contractor shall provide at least a 10 year guarantee from a supplier of any material whenever requested by client with PM Approval; Such as Water proofing material, Anti-termite materials, Glass Works, Painting, Curtain Walls, Aluminium material, Granite/Marble, Mashrabya Screens, Porcelain tiles, Cladding material, acoustic material, signages, ceramic tiles, vinyl Tiles, Carpets, Elevators , Lights, Cables, ceiling tiles, Sanitary wares, Furnitures, Ironmongeries, Pumps ,Roofing sheet, Pipes, ventilation devices. The contractor shall make sure that all materials are tested at authorized Testing in laboratories with the consent of Consultants.</p>				
I	<p>Disposal of water for all sections of the works Allow for keeping the site and buildings free from water arising from whatsoever cause. The Contractor shall notify the Project manager as soon as water percolation or water-logging becomes apparent and he shall obtain the written permission of the Project manager before carrying out any continuous pumping or other method of removal of water which may lower the water level on adjoining sites. The Contractor shall ensure that no nuisance is caused by the outfall of pumped water and shall obtain the necessary permission before connecting temporary drainage to existing drains and/or sewers. Any fees and charges in connection with such work shall be deemed to be included in the Contract Sum. Site levels Before commencing work the Contractor must arrange for and agree with the Project manager the existing site levels and similarly establish and agree a bench mark. The levels and bench mark thus agreed will then be used for the duration of works for all purposes. Overtime The Contractor shall allow in his tender for any extra costs for overtime working he considers will be necessary in order to complete the work by the contract Date for Completion. Housing labour on the site No labour, with the exception of watchmen, may be housed on the site and the Contractor must allow for all costs in moving labour to and from the site at such times and by routes approved by the Police and Local Authorities. Area to be occupied by the Contractor The area of the site which may be occupied by the Contractor for use as storage and for the purpose of erecting workshops, etc., shall be agreed between the Project manager and the Contractor.</p>	LS	1.00		
J	<p>Pricing and Correction of Bills of Quantities, etc. costs relating to items which are not priced will be deemed to have been included elsewhere in these Bills of</p>	LS	1.00		

	<p>Quantities Details to be private and Confidential The Drawings, Bills of quantities and Contract Documents applicable to this contract are restricted by copyright. The Contractor shall treat the details of this Contract as private and confidential for his own information only and shall not publish or disclose the details of the Contract in any trade or technical paper or elsewhere (except as necessary for the purpose hereof) without the previous consent in writing of the Employer.</p> <p>Copyright The copyright of these Bills of Quantities is vested in the Employer and they may not be reproduced in whole or in part without the Employer's written permission</p> <p>Water for the work The contractor shall at his own expense use whatever means at his disposal, provide on the site plentiful, suitable and clean water for use of the works. The Contract Sum shall be deemed to include for all costs and charges of whole water to be used in the works. Temporary lighting and power for the works The Contractor shall provide all artificial lighting, electric power and the energy required for the execution of the work. The provision of light and, where appropriate, power for Agents appointed by the Client and Local Authorities is included in the items of general and special attendance in Provisional and Prime Cost Sums. The Contract sum shall be deemed to include for all fees and charges for all temporary services and clearing away on completion, and for the cost of all electricity consumed for the works.</p>				
K	<p>Protection of persons and property The Contractor shall provide for the efficient of the public, the Employer's servants and property and all other persons occupying or using the premises, also of adjoining or neighbouring property during the progress of the works included in or required to be done on connection with the Contract. This shall include provision of scaffolding and protective netting around and to the full height of the building, maintain the same until completion of the Works. The Contractor shall take all precaution to eliminate as far as possible the danger to the public and other persons arising from the entry and exit of vehicles to and from the site. Trespass and nuisance All reasonable means shall be used to avoid inconveniencing adjoining owners and occupiers. No workmen or plant employed on the works shall be allowed to trespass upon adjoining properties. If the execution of the works requires that workmen or plant must enter upon adjoining property, the necessary permission shall be first obtained</p>	LS	1.00		

	<p>by the Contractor who shall see that these instructions are carried out. The Contractor shall indemnify the Employer against any claim or action for damages on account of any trespass or other misconduct of the Contractor's employees. The Contractor shall not obstruct any public way or otherwise do or suffer to be done anything which may amount to a nuisance or annoyance, and shall not interfere with any right of way or right to adjoining property, and any notice received by him or left upon the site requiring the discontinuance or suspension of any part of the works shall at once be forwarded by him to the Project manager or, if given verbally, shall at once be communicated by him to the Project manager in writing, and the Contractor shall keep the Employer indemnified against any claim or loss consequent upon any act, neglect or omission of the Contractor, his agents, servants or workmen in this respect. Temporary buildings for use by the Contractor The contractor shall, at his own cost, supply and erect all temporary buildings, sheds, mess rooms and stores with floors at least 150mm above ground level. No office, stores or other temporary buildings shall be erected on the site without first obtaining the consent of the Project Manager/Project manager as to the type of temporary building to be supplied and the position in which they are to be erected.</p>				
L	<p>Temporary latrines Temporary latrines shall be provided, maintained and removed on completion by the Contractor to the satisfaction of the Project manager and Local Authorities. Temporary hoarding The works shall be enclosed by the Contractor with a fence not less than 2.50m high neat and uniform in appearance to the approval of the Project manager. The fence shall be a sufficient obstacle to prevent the ingress of unauthorized persons or children and shall be complete with all necessary padlocked entrance gates, fans and screens as may be requisite to ensure the safety of the public or adjoining owners and of the works. Any commercial paint on the hoarding shall be done at the approval of the Employer. The Contractor shall maintain the fence, gates, and screens, obtain all necessary licenses and pay all fees in connection therewith, the amounts of which shall be deemed to be included in the Contract Sum. The Contractor shall allow for moving or adapting the fencing as and when required during the progress of the works and shall dismantle and remove at completion of the work, but not until all danger to the public has passed and shall make good all work disturbed. General scaffolding Provide all</p>	LS	1.00		

	scaffolding, (tubular steel or timber), that may be required for the works.				
M	<p>Prime cost (P.C.) items The words “Prime Cost” (or the initials (“P.C.”) wherever appearing in these Bills of Quantities, shall mean net cost exclusive of any trade, cash or other discount whatsoever but inclusive of the cost of packing, carriage and delivery. Such cost shall be the sums due to Agents approved by the Client or Supplier after adjustment where applicable in respect of measurements or rates. Any increases or decreases in these Prime Cost sums resulting from the adjustments and properly paid by the Contractor, shall be added to or deducted from the Contract Sum in the final account. In substantiation the Contractor will be required to produce to the Project manager all quotations, invoices and receipted accounts as shall be necessary to show the details of the sums actually paid. Any sum added by the Contractor in these Bills of Quantities in respect of profit upon any Prime Cost sum will be deducted at the final settlement of accounts and a sum will be added, the amount of which will bear the same proportion to the sum added as the net amount properly expended bears to the original P.C. Sum</p>	LS	1.00		
N	<p>Particulars to be supplied when inviting quotation under P.C. Sums When inviting quotations for the supply of goods or the execution of work described under P.C. Sums, full particulars as contained herein (except the sums provided), and shown on the drawings in respect of the goods or work in question shall in all cases be supplied by the contractor to the persons, firms or companies quoting. All such invitations shall contain a stipulation that the quotations must state a guaranteed time for delivery or fixing, as the case may be, from the date when the particulars are supplied, in the case of materials to be delivered on the site in bulk, the person, firm or company quoting musts guarantee the delivery of the quantity required, (uniform with the approved samples), by and at the time required to suit the progress of the building operations. The Contractor shall, with such invitations, supply full details of the times at which such delivery and/or fixing will be required in order that such guaranteed times may be stated. Protection of works The Contractor shall allow for and provide and/or maintain during the execution of the Works all shoring, strutting, needling and other supports and shall take all other precautions and adopt such expedients as may be necessary to preserve the stability of all buildings, structures, fences, walls, land and property, roads and footpaths, sewers,</p>	LS	1.00		

	drains, gullies and other services (including those of adjoining owners) that may in any way be affected by the work to be executed under the Contract immediately he has taken possession of the Site and until completion of the Works. The Contractor shall hold the Employer completely indemnified against all or any claim for damage or losses accruing from any settlement resulting from such shoring and strutting or lack thereof and the striking and removal of same.				
P	Protection of works Cont'd Any damage and/or settlement that may be caused arising out of or directly or indirectly consequent upon the aforesaid protective measures or the lack thereof or the carrying out of the Works is to be made good by the Contractor at his own expense to the satisfaction of the Project manager and all other parties concerned. The Contractor shall cover up and protect all finished work liable to damage including provision of temporary roofs, gutters, drains, etc., until the completion of the Works. The entire responsibility in respect of all matters mentioned or referred to in this clause shall rest with the Contractor notwithstanding any approval given by the Project manager to, or concurrence in, the action taken or proposed to be taken by the Contractor, in pursuance of his obligations.	LS	1.00		
Q	Pricing & Prebid Site Visit Contractor shall have to visit the site before pricing bidding BoQ for submission. The site shall assist in familiarization with the site as well as pricing. Any loss due to erroneously pricing of an item for not visiting the shall be borne by contractor.	LS	1.00		
R	SERVICES INSTALLATIONS The contractor with the domestic subcontractors shall allow sum to cover for the following in relation to all service works to be installed in building covering the whole scope of work; Prepare shop/working drawings- 3Nos hard copies-A3 size paper (soft and hard) . Allow for labelling for service fittings/equipments. Allow for test results for fittings/equipments. Allow for service and maintenance after every three months during defect liability period of one year. Allow for training Allow for warranty	LS	1.00		
S	Removal of plant, rubbish, etc. The Contractor shall, upon completion of the Works remove and clear away all temporary buildings, plant, rubbish and unused materials, and shall leave the whole of the Site of the Works in a clean and tidy state to the Satisfaction of the Project manager. He shall also remove all rubbish and dirt from the Site at weekly intervals or as directed by the Project manager.	LS	1.00		

T	Final cleaning of building and site Before handing over any building the Contractor shall properly clean all floors and finished surfaces, clean glass inside and outside and leave all sanitary and other appliances in full working order. He shall also cut and weed all grassed areas, clean down external steps, paths and roads and leave the whole in perfect condition ready for occupation.	LS	1.00		
U	Final cleaning of building and site Before handing over any building the Contractor shall properly clean all floors and finished surfaces, clean glass inside and outside and leave all sanitary and other appliances in full working order. He shall also cut and weed all grassed areas, clean down external steps, paths and roads and leave the whole in perfect condition ready for occupation.	LS	1.00		
V	As Built Drawings The contractor shall produce and submit to the Employer 3 copies of "As Built Drawings" (1 original and 2 photocopies) in A3 paper size and in PDF format (Soft copy Drawings saved in flash drive) of all building works and operational & maintenance manuals- 3Nos hard copies- A4 size paper (softcopy and hardcopy)	LS	1.00		

PART B1: Deep Sea Fish Market

BILL No 3	MEASURED WORKS				
ELEMENT No.1	SUBSTRUCTURE (ALL PROVISIONAL)				
1	Excavation and Earthworks;				
A	Demolishing; making good all work disturbed Existing roof; comprising of roofing tiles and purlins; Pulling down to floor level; existing wall or partitions; making good work disturbed	Item	1.00		
B	Blockwork walls; 230 mm thick or 150mm thick	Item	1.00		
C	Electrical installation; shutting off from mains supply; remove switches, fittings and equipment;	Item	1.00		
D	Plumbing installations; shutting off from mains supply; remove pipes, fittings and equipment;	Item	1.00		
a	Clearing the site; frubbong up rootsbushes, shrub, undergrowth or the like; small trees not exceeding 600 mm girth	m2	510.00		
b	Surfaces to reduce leveles average 300 mm deep; to remove vegetable soil	m2	510.00		
c	Trenches Excavation, and Retaining Wall Excavation	m3	394.00		
d	Pits; to receive column foundations; starting from stripped level; not exceeding 1.50 m deep	m3	234.00		

e	1.50 m to 3.0 m deep	m3	78.00		
f	Extra over all kind of excavations irrespective of depth for breaking up rock	m3	75.00		
i	Earth backfilling well rammed and consolidated around foundations	m3	581.00		
ii	Filling to make up levels under floors;over 300 mm thick; depositing and compacting in layers maximum 150 mm thick; levelling	m3	113.00		
iii	Load surplus excavated material and remove from site	m3	353.00		
3	Planking and strutting.				
A	Allow for the provision and subsequent removal of planking and strutting to uphold and maintain all faces of excavations.	Item	1.00		
a	Keeping excavations free from general water	Item	1.00		
4	Hardcore				
A	Beds; 200 mm thick; depositing and compacting; levelling; sand blinding	M2	450.00		
a	At the Rate of 7 litres per square metre; to hardcore beds and tops of foundation walls For Termite treatment	m2	450.00		
b	At the Rate of 80 litres per cubic metre; to backfilling For termite treatment	m3	22.00		
6	Damp Proof Membrane				
A	Horizontal; over 300 mm wide	M2	376.00		
7	CONCRETE WORK:				
	Plain insitu concrete grade '15'				
A	Blinding; 50 mm thick	M2	292.00		
B	230 mm Thick walls	m2	233.00		
	Reinforced insitu concrete grade '25'; vibrated; including vibrating around reinforcements:				
A	Foundations in trenches; irrespective of thickness	M3	32.00		
B	Foundations to isolated stanchions or the like; irrespective of thickness	m3	236.00		
C	Ground beams; irrespective of thickness	m3	24.00		
D	Beds; 150 mm thick	m2	376.00		
E	Ramps; 150 mm thick	m2	10.00		
F	Columns; vertical or sloping exceeding 15 degrees from horizontal; irrespective of sectional area	m3	10.00		
G	Steps, staircases or strings; generally	m3	1.00		
H	Retaining Wall 230mm Thick	m3	19.00		
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	8 mm	Kg	2,295.00		

B	10mm Diameter	Kg	4,589.00		
C	12mm Diameter	Kg	12,236.00		
D	16mm	kg	13,383.00		
E	20mm	Kg	5,736.00		
II	Fabric Wiremesh				
A	Reference A 252; mesh 200 x 200 mm; weight 3.95 kg per square metre; in any location	m2	386.00		
9	Formwork:				
	Vertical or battering surfaces				
A	Vertical or battering sides of foundations or the like	M2	175.00		
B	Vertical or battering sides of columns or the like	M2	117.00		
C	Sides and soffits of beams or the like	M2	697.00		
D	"Edges of beds or the like; 75 to 150 mm wide 75 to 150 mm wide; "	M	223.00		
E	Sides or risers of steps or staircases; 75 to 150 mm wide	m	48.00		
10	WALLING				
	Solid concrete blocks to BS 6073 Type 'A' dense aggregate, average compressive strength 7N/sq mm; in cement mortar				
12	DAMP PROOFING				
ELEMENT No.2	FRAMES				
	CONCRETE WORKS:				
II	Reinforced insitu concrete grade '25' including vibrating around reinforcements.				
A	150 mm Thick suspended floors or the like	M2	646.00		
B	Beams; horizontal or sloping not exceeding 15 degrees from horizontal irrespective of sectional area	M3	87.00		
C	Columns; vertical or sloping exceeding 15 degrees from horizontal irrespective of sectional area	m3	47.00		
D	Ramps; 150 mm thick	m2	49.00		
E	Steps, staircases or strings; generally	m3	7.00		
F	Landings; horizontal; 150 mm thick	m2	11.00		
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	8mm Diameter	Kg	1,006.00		
B	10mm Diameter	Kg	2,012.00		
C	12mm	kg	5,364.00		
D	16mm	kg	5,867.00		
E	20mm	kg	2,515.00		
3	Formworks				

	Wrought formwork to:				
A	Soffits of suspended floors or the like	M2	657.00		
B	Sloping soffits of suspended floors or the like	M2	49.00		
C	Vertical or battering sides of walls or the like	m2	84.00		
D	Vertical or battering sides of columns or the like	m2	579.00		
E	Sides and soffits of beams or the like; horizontal	m2	723.00		
F	Edges of suspended floors or the like 75 to 150 mm wide	m	226.00		
G	Sides or risers of steps or staircases 75 to 150 mm wide	m	334.00		
i	Tanking over 300 mm wide Dump Proof Membrane	m2	81.00		
ii	Reference A 252; mesh 200 x 200 mm; weight 3.95 kg per square metre; in any location	m2	646.00		
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	100 x 300 mm	M	12.00		
B	100 x 380 mm extreme thickness; twice weathered; twice 15 mm thickthroated; reinforced as necessary for handling; bedding, jointing andpointing in cement (1:4) mortar: to architectural details	M	1,128.00		
C	150 mm Thick walls	m2	432.00		
D	Horizontal; 230 mm wide Dump Proof Membrane	m2	216.00		
i	Balustrades; comprising 50 mm diameter hollow section handrails;7 No. horizontal adjustable cables fixed to balusters; 100 mm diameterbalusters fixed at 3000 mm average centres, with 6 mm thick base platesfixed with bolts to concrete surfaces; fixing in position to including allmortices and fixings; 900 mm high, horizontal	m	280.00		
ii	230 x 300 mm Lintels; four 12 mm diameter deformed high yield steel bars and 8 mmmild steel stirrups at 180 mm centres (For internal Walls)	m	53.00		
iii	150 mm Thick walls	m2	123.00		
iv	230 mm wide Dump proof Coarse (Bitumen)	M	62.00		
v	150 mm Thick walls	m2	51.00		
vi	50 x 50mm; Aluminium profile with timber texture; extruded frame; assembling;fixing	m2	130.00		

	to Blockwall and Concrete; sealing all round with approved non-hardening mastic;removing protective tape; all in accordance with Architect's drawings and manufacturer's details				
vii	Allow for checking installations are set truly square before making good or plastering and for cutting any necessary chases or holes in concrete or blockwork and finishing for conduits and fittings connection with the following electrical installations	Item	1.00		
viii	Allow for checking installations are set truly square before making good or plastering and for cutting any necessary chases or holes in concrete or blockwork and finishing for conduits and fittings connection with the following mechanical and plumbing installations	Item	1.00		
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	Coverings; fixing to steel purlins at 1500 mm general spacing with galvanised steel hook bolts, nuts, neoprene washers and caps; one on a half trough side laps; 150 mm end laps sloping not exceeding 45 degrees from horizontal sloping not exceeding 45 degrees from horizontal	M2	564.00		
B	Cappings to ridges; 380 mm girth; fixing with galvanized steel bolts, nuts, neoprene washer and caps	M	26.00		
2	ROOF STRUCTURE				
	The following are in timber trusses Softwood pressure impregnated with preservative				
A	100 x 150 C20 Steel Trusses	M	287.00		
B	100 x 100 C20 Steel Truss	M	414.00		
a	20mm, 250mm long bolt steel anchor bolt	Nr	90.00		
b	12mm Diameter steel bar; Mild steel bolts , washer, nuts,including drilling holes	No	210.00		
i	Prepare one coat zinc rich primer followed by two coats matt enamel gloss paint to manufacturers instructions to metal work surfaces surfaces over 100 but not exceeding 200 mm girth	m	701.00		
ii	FASCIAL BOARD 25 x 250mm thick hardwood fascial board primed; 2 coats gloss painted	m	65.00		
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	900 x 3000 mm overall size; type D01 Hardwood	No	5.00	
B	800 x 3000 mm overall size; type D02 Hardwood	No	1.00	
C	1800 x 3000 mm overall size; type D03	No	1.00	
i	50 x 150 mm Frames; one labour; plugging Frame	m	42.00	
ii	50 x 100 mm Transomes; two labours Frame	m	6.00	
iii	20 x 50 mm Architaves	m	84.00	
6	IRON MONGERY			
	Supply and fix the following ironmongery; HAFELE/UNION or other equal and approved; to hardwood with matching screws.			
A	100 mm fire rated butt hinges	Prs	9.00	
B	Lockset/ mortise with face plate	No	6.00	
C	Lock cylinder	No	6.00	
D	Fire rated overhead hydraulic door closer with back check	No	6.00	
E	Kick plates; 150 mm wide x 1.5 mm thick; 1000 mm wide	No	12.00	
F	Push plate; 382 x 100 mm; 1.5 mm thick with "PUSH" symbol	No	6.00	
G	Pull plate; 382 x 100 mm; 1.5 mm thick with "PULL" symbol	No	6.00	
H	Pull handle; 900 mm long x 38 mm diameter	No	6.00	
I	WC red/green indicating disc with escutcheons and dead lock with emergency opening function	No	1.00	
J	signage; 70 mm diameter; satin finish	No	6.00	
K	door stop	No	6.00	
ELEMENT No.7	WINDOWS			
1	HEAVY DUTY ALUMINIUM ALLOY WINDOWS-DOUBLE GLAZING			
II	Supply and fix the following aluminium units ex-Italy or otherwise approved; complete with accessories for sliding/top hung to window, 8mm Thick toughned clear glass panel; Anodized aluminium framing (50x100mm Mullions and transomes) hammered finish;1.2-1.4mm thick; colour to be approved by the Architect; fixed to concrete/blockwork; all as per Architectural Drawings/Window Schedules:			
A	2400 x 2700 mm high; overall size; in panes; type W01	No	4.00	

B	3000 x 1200 mm high; overall size; in panes; type W02	No	1.00		
ELEMENT No.8	PLUMBING AND ENGINEERING INSTALLATIONS				
1	SANITARY APPLIANCES				
A	Supply and fix the following approved sanitary appliances including connections and all necessary accessories Brands ('KOHLER, RAK and SANITANA') All types of fitting materials shall be approved by the Engineer / Architect prior to installtion Hand wash basin with full pedestal,with single tap hole,white glazed vitreous china;fixing brackets with screws to backgrounds requiring plugging;bedding waste in white lead bedding waste in white lead.	Nr	2.00		
B	Countertop hand wash basin with semi pedestal,with single tap hole,white glazed vitreous china;fixing brackets with screws to backgrounds requiring plugging;bedding waste in white lead.bedding waste in white lead.	Nr	57.00		
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	Supply, Install and join the PPR water supply pipe including pipe fittings, Labour chasing of walls and all builder works and accessories (elbows, Connectors, bends etc) as per drawings (50mm diameter)	LM	34.00		
B	Supply, Install and join the PPR water supply pipe including pipe fittings, Labour chasing of walls and all builder works and accessories (elbows, Connectors, bends etc) as per drawings (40mm diameter)	LM	16.00		
C	Supply, Install and join the PPR water supply pipe including pipe fittings, Labour chasing of walls and all builder works and accessories (elbows, Connectors, bends etc) as per drawings (32mm diameter)	LM	90.00		
D	Supply, Install and join the PPR water supply pipe including pipe fittings, Labour chasing of walls and all builder works and accessories (elbows, Connectors, bends etc) as per drawings (25mm diameter)	LM	50.00		
E	Supply, Install and join the PPR water supply pipe including pipe fittings, Labour chasing of walls and all builder works and accessories (elbows, Connectors, bends etc) as per drawings (20mm diameter)	LM	85.00		
F	Supply and install 12mm flexible pipe connectors to wash hand basins (HWB), WC'S, and Cistern	Nr	59.00		
i	Supply and fix Stop valves with hand wheel, (50mm diameter)	Nr	1.00		
ii	Supply and fix Stop valves with hand wheel,	Nr	3.00		

	(40mm diameter)				
iii	Supply and fix Stop valves with hand wheel, (32mm diameter)	Nr	6.00		
iv	Supply and fix Stop valves with hand wheel, (25mm diameter)	Nr	6.00		
v	Supply and fix Stop valves with hand wheel, (20mm diameter)	Nr	6.00		
a	Supply and install UPvC pipe Class C for foulwater including fittings and other accessories fixing to the Duct (Ditto 50mm diameter)	m	83.00		
b	Supply and install UPvC pipe Class C for foulwater including fittings and other accessories fixing to the Duct (Ditto 40mm diameter)	m	63.00		
2	COLD WATER INSTALLATIONS DISTRIBUTION PIPES				
3	SUPPLY PIPES				
7	TESTING				
ELEMENT No.9	ELECTRICAL INSTALLATIONS				
i	Supply and install the following:				
a	4core x 70mm ² CU/XLPE/SWA/PVC LSZH cable	m	90.00		
d)	WIRING AND CABLES				
A	4core x 10mm ² CU/XLPE/SWA/PVC LSZH cable	m	25.00		
B	4core x 10mm ² CU/XLPE/SWA/PVC LSZH cable	m	18.00		
C	4core x 10mm ² CU/XLPE/SWA/PVC LSZH cable	m	10.00		
D	4core x 10mm ² CU/XLPE/SWA/PVC LSZH cable	m	5.00		
E	4core x 6mm ² CU/XLPE/SWA/PVC LSZH cable	m	5.00		
F	4core x 6mm ² CU/XLPE/SWA/PVC LSZH cable	m	5.00		
G	10 ways TPN weather proof Distribution panel; 160Amps rating with outgoing device 3P MCCB standard IEC 439-1, BS 5486, type tested assembly c/w 36kA surgearrestor for submain panel SBP1-LEVELS 1-4	Nr	1.00		
H	8 ways TPN weather proof Distribution panel; 63Amps rating with outgoing device 3P MCCB standard IEC 439-1, BS 5486, type tested assembly c/w 36kA surgearrestor for - DBA L4 Level 4	Nr	1.00		
I	6ways TPN Distribution panel; 63 Amps rating with outgoing device 3P MCCB standard IEC 439-1, BS 5486, type tested assembly c/w 15kA surge arrestor for DBA L3, DBA L2	Nr	1.00		

J	6ways TPN Distribution panel; 63 Amps rating with outgoing device 3P MCCB standard IEC 439-1, BS 5486, type tested assembly c/w 15kA surge arrestor for DBCo	Nr	1.00		
K	170x50mm 3 compartment trunking complete with all necessary fitting eg.corners, covers etc MEM type	m	25.00		
L	200X75mm in the ceiling void	m	40.00		
M	300X75mm in the ceiling void	m	40.00		
N	lighting circuits ; light points ; in 94Nr.	Nr	47.00		
O	lighting switch circuits ; three gang one way points; in 6Nr.	Nr	3.00		
P	lighting switch circuits ; one gang one way points; in 5Nr.	Nr	3.00		
Q	lighting switch circuits; one gang two way points; in 7Nr.	Nr	4.00		
R	lighting switch circuits ; two gang one way points; in 5Nr.	Nr	3.00		
S	power outlet circuits ; socket outlet points in 25Nr	Nr	13.00		
T	Air conditioning circuits ; DP outlet points in 4Nr	Nr	2.00		
U	10 amp : three gang ; one way Ref K4871 WHI	Nr	3.00		
V	10 amp : one gang ; one way Ref K4870 WHI	Nr	3.00		
W	10 amp : one gang ; two way Ref K4871 WHI	Nr	4.00		
X	10 amp : two gang ; one way Ref K4871 WHI	Nr	3.00		
Y	10 amp : intermediate switch	Nr	1.00		
i	Twin 13A switch socket outlets ref.no. K2747 WHI	Nr	1.00		
ii	Waterproof Twin 13A switch socket outlets ref.no. K2747 WHI	Nr	4.00		
iii	Twin 13A switch socket outlets K2743WHI WITH USB + Type C charging ports	Nr	7.00		
iv	TV/SAT/FM co-axial single socket outlet; Ref.Nr K3561	Nr	2.00		
v	20 amp ; Ref K 5233 WHI marked AC, Extract fans	Nr	2.00		
vi	63 amp ; 3ph 50Hz 415V 4pole isolator for cold room	Nr	1.00		
vii	Masterseal SP10 amp photo electric switch mk Ref 56748	Nr	1.00		
viii	Voyager Blade EXIT light, 5W Ultra slim, LED exit sign with 3 hour, maintained. Thorn	Nr	2.00		
ix	30W LED Waterproof-UQ L1200-30W-4000-FR-GP 4000K as in Oppl Lighting-	Nr	20.00		

	Type L				
x	Disc 290 Black 1770lm 2700K Ra>80 Trailing edge dimming 17W LED as SG lighting-Type C	Nr	8.00		
xi	LED Floodlight-E IV 30W-3000-GY-GP, as in opple lighting-type W	Nr	6.00		
xii	Frame round wall 7W LED graphite 4000k390lm IK10 IP66 as SG Light Type W	Nr	3.00		
xiii	lighting circuits ; light points ; in 68Nr.	Nr	34.00		
xiv	lighting switch circuits ; three gang one way points; in 5Nr.	Nr	3.00		
xv	lighting switch circuits ; one gang one way points; in 4Nr.	Nr	2.00		
xvi	lighting switch circuits; one gang two way points; in 6Nr.	Nr	3.00		
xvii	lighting switch circuits ; two gang one way points; in 4Nr.	Nr	2.00		
xviii	power outlet circuits ; socket outlet points in 60Nr	Nr	30.00		
xix	10 amp : three gang ; one way Ref K4871 WHI	Nr	3.00		
xx	10 amp : one gang ; one way Ref K4870 WHI	Nr	2.00		
xxi	10 amp : one gang ; two way Ref K4871 WHI	Nr	3.00		
xxii	10 amp : two gang ; one way Ref K4871 WHI	Nr	2.00		
xxii	10 amp : intermediate switch	Nr	1.00		
xxiii	Waterproof Twin 13A switch socket outlets ref.no. K2747 WHI	Nr	30.00		
xxiv	Voyager Blade EXIT light, 5W Ultra slim, LED exit sign with 3 hour, maintained. Thorn	Nr	2.00		
xxv	30W LED Waterproof-UQ L1200-30W- 4000-FR-GP 4000K as in Opple Lighting- Type L	Nr	32.00		
a	lighting circuits ; light points ; in 59Nr.	Nr	30.00		
b	lighting switch circuits ; three gang one way points; in 3Nr.	Nr	2.00		
c	lighting switch circuits ; one gang one way points; in 2Nr.	Nr	1.00		
d	power outlet circuits ; socket outlet points in 60Nr	Nr	27.00		
e	10 amp : three gang ; one way Ref K4871 WHI	Nr	2.00		
f	10 amp : one gang ; one way Ref K4870 WHI	Nr	1.00		
	lighting switch circuits; one gang two way points; in 4Nr.	Nr	2.00		

g	10 amp : one gang ; two way Ref K4871 WHI	Nr	2.00		
h	10 amp : two gang ; one way Ref K4871 WHI	Nr	1.00		
i	10 amp : intermediate switch	Nr	1.00		
j	Waterproof Twin 13A switch socket outlets ref.no. K2747 WHI	Nr	27.00		
k	Voyager Blade EXIT light, 5W Ultra slim, LED exit sign with 3 hour, maintained. Thorn	Nr	3.00		
l	30W LED Waterproof-UQ L1200-30W-4000-FR-GP 4000K as in Opple Lighting-Type L	Nr	23.00		
m	Disc 290 Black 1770lm 2700K Ra>80 Trailing edge dimming 17W LED as SG lighting-Type C	Nr	4.00		
N	LEDS panel Rc-SL -Sq595-40W-4000-WH-IV AS IN opple lighting-Type M	Nr	9.00		
	lighting switch circuits ; two gang one way points; in 2Nr.	Nr	1.00		
J)	CABLE TRAYS AND TRUNKINGS				
i)	CABLE TRAYS				
A	170x50mm 3 compartment trunking complete with all necessary fitting eg.corners, covers etc MEM type	M	25.00		
B	200X75mm in the ceiling void	m	50.00		
C	300X75mm in the ceiling void	m	50.00		
D	lighting circuits ; light points ; in 88Nr.	Nr	44.00		
E	lighting switch circuits ; three gang one way points; in 6Nr.	Nr	3.00		
F	lighting switch circuits ; one gang one way points; in 5Nr.	Nr	3.00		
G	lighting switch circuits; one gang two way points; in 7Nr.	Nr	4.00		
H	lighting switch circuits ; two gang one way points; in 5Nr.	Nr	3.00		
I	power outlet circuits ; socket outlet points in 25Nr	Nr	13.00		
J	Air conditioning circuits ; DP outlet points in 3Nr	Nr	2.00		
K	10 amp : three gang ; one way Ref K4871 WHI	Nr	3.00		
L	10 amp : one gang ; one way Ref K4870 WHI	Nr	3.00		
M	10 amp : one gang ; two way Ref K4871 WHI	Nr	4.00		
N	10 amp : two gang ; one way Ref K4871 WHI	Nr	3.00		
O	10 amp : intermediate switch	Nr	1.00		

P	Twin 13A switch socket outlets ref.no. K2747 WHI	Nr	1.00		
Q	Waterproof Twin 13A switch socket outlets ref.no. K2747 WHI	Nr	4.00		
R	Twin 13A switch socket outlets K2743WHI WITH USB + Type C charging ports	Nr	7.00		
S	TV/SAT/FM co-axial single socket outlet; Ref.Nr K3561	Nr	2.00		
T	20 amp ; Ref K 5233 WHI marked AC, Extract fans	Nr	2.00		
U	Masterseal SP10 amp photo electric switch mk Ref 56748	Nr	1.00		
V	Voyager Blade EXIT light, 5W Ultra slim, LED exit sign with 3 hour, maintained. Thorn	Nr	4.00		
W	LEDS panel Rc-SL -Sq595-40W-4000-WH-IV AS IN opple lighting-Type M	Nr	7.00		
X	30W LED Waterproof-UQ L1200-30W-4000-FR-GP 4000K as in Ople Lighting-Type L	Nr	36.00		
Y	2D 16W CIRCULAR SURFACE LUMINAIRE WITH POLYCARBONATE BODY AND OPAL DIFFUSER-Type T	Nr	1.00		
i	Provide all necessary earthing high voltage conductivity electrodes with drive head assemblies and earthing clamps with link to earth rods/earth pit, construct earth pit and 1cx35mm ² Copper cable PVC Yellow/Green; for the sub main panel SBP1 and all distribution board for the electrical installation system in level 1-4	Item	1.00		
ii	3mm x 25mm copper strip through the columns	m	135.00		
iii	1000mm height Air terminal - single head	Nr	2.00		
iv	Provide sum for testing and commissioning the foregoing and requirements described in the Specifications	Item	1.00		
v	circuits to twin RJ45 for data and telephone installation in 4Nr points	Nr	7.00		
vi	circuits to RJ45 for Telephone installation in 4Nr points	Nr	2.00		
vii	circuits to RJ45 for data installation in 14Nr points	Nr	7.00		
viii	24 Port Cisco switch c/w 3 Year Term license.	Nr	1.00		
ix	Patch Panel 24 port CAT 6A	Nr	1.00		
x	24 Port voice Patch Panel CAT 6A	Nr	1.00		
xi	Panasonic IP telephone operator console	Nr	1.00		
xii	Panasonic IP telephone handset	Nr	2.00		
xiii	Face plates Double switch shuttered RJ45 outlet Ref: SCO-GRY-PCMCC01 CAT 6A	Nr	7.00		

	(Complete with Module)				
xiv	1m Patch cords CAT6A (RJ45-RJ45) for telephone	Nr	2.00		
xv	1m Patch cords CAT6A (RJ45-RJ45) for data	Nr	7.00		
xvi	3M UTP CAT6A Drop Cable (RJ45-RJ45) for telephone	Nr	2.00		
xvii	3M UTP CAT6A Drop Cable (RJ45-RJ45) for data	Nr	7.00		
xviii	42U 19' Floor standing Data cabinet with cooling fans to host switches and patch panel c/w Power distribution unit,cable tidy,lockable glass door and all necessary accessories for main firewall, switch and server	Nr	1.00		
xix	Ubiquiti IP Wireless access point	Nr	4.00		
xx	Sofos Router and firewall c/w 1 yr license	Nr	1.00		
xxi	Panasonic IP-PABX	Nr	1.00		
xxii	Provide sum for application and connecting cable to link to the building and ISP (Internet Service Provider)	Item	1.00		
xxiii	Provision sum for the testing and commissioning of the foregoing installation in accordance with the rules and regulations	Item	1.00		
xxiv	Circuits from NVR to cameras for CCTV installation in 41Nr points	Nr	21.00		
xxv	8 MP Smart Hybrid, Day & Night, 360deg indoor Dome Network Camera	Nr	3.00		
xxvi	8 MP Smart Hybrid, Day & Night, IP66 IK10 outdoor Dome Network Camera	Nr	9.00		
xxvii	8 MP Smart Hybrid, Day & Night, outdoor Bullet Network Camera	Nr	8.00		
a	PTZ Camera HDZP304DI Zoom WDR PTZ IP Camera 30X optical zoom with 360° continuous rotation, True WDR 120 dB for clear, glare-free images	Nr	1.00		
b	Network video recorder IP video input: 32-ch, 2U, 8k Two-way audio input: 1-ch, RCA audio output: 2-ch, upto 12 Megapixels resolution recording, Support 2 HDMI output, 2 VGA, upto 320Mbps incoming and 400Mbps outgoing bandwidth, c/w software and licence	Nr	1.00		
c	24-slot storage with 24 pcs 10TB SATA IOT HDD, HIK DS-A81024S/240	Nr	1.00		
d	55" 4K LED monitor display wall mount including its mounting Accessories	Nr	1.00		
e	Connection of data network from existing switch to NVR	Item	1.00		
f	Network keyboard with joystick DS-1600KI	Nr	1.00		
g	Provision sum for the testing and commissioning of the foregoing installation	Item	1.00		

	in accordance with the rules and regulations				
IV	FIRE DETECTION AND ALARM SYSTEM - WIRING AND WIRING				
IA	Supply, install, test and commission the following as per specifications:				
A	Circuit to ceiling and wall speaker points	Nr	11.00		
B	Microphone touch screen paging console	Nr	1.00		
C	Paging console IDA8C PA/VA control unit, zone selector en 54-16	Nr	1.00		
D	Inter M quad series amplifier as ATEIS - QD-4960	Nr	1.00		
E	HPA 120W slave amplifier as ATEIS SYS-120	Nr	1.00		
F	UHF wireless hand held system as Shure - PGX24/SM58-L5	Nr	1.00		
G	Sound craft EPM 6 channel mixer as ATEIS -RW-5734	Nr	1.00		
H	Tascam CD/SD/USB Player with Bluetooth w/ipod dock-Tas CD-400U	Nr	1.00		
i	32U 600*800 W&M Rack as ATEIS PAPST	Nr	1.00		
ii	5 Way W&M power rail	Nr	1.00		
iii	Ceiling speaker control as JBL Control-26CT-LS Life safety application	Nr	3.00		
iv	15w paging horn speaker with ceramic fuse as CSS-H15	Nr	1.00		
v	Wall mounted speaker as Penton -PBC-6/TC	Nr	8.00		
vi	Provide for testing and commissioning the foregoing and requirements described in the Specifications	Item	1.00		
vii	circuits to fire alarm detectors ; in 48Nr	Nr	24.00		
viii	circuits to call points ; in 6Nr. Points	Nr	3.00		
ix	circuits to Sounder Alarm; in 13Nr. Points	Nr	7.00		
a	Smoke detectors; DP2061T 2000 Series Optical/Heat Multi-sensor; c/w standard mounting base	Nr	19.00		
b	Heat detectors; DP2061T 2000 Series Optical/Heat Multi-sensor; c/w standard mounting base	Nr	1.00		
c	Fireray BEAM SMOKE DETECTOR c/w a transmitter-receiver unit and a reflector	Nr	4.00		
d	Sounder; 2000 Series Loop Sounder/Beacon, Wall Mount, IP65;c/w standard mounting base	Nr	2.00		
e	Break glass; DM2010 2000 Series Addressable Manual Call Pointc/w standard mounting base	Nr	7.00		
f	Aritech Addressable 2 Loop Fire Panel Small Cabinet (2X-F1-S-99) Addressable FirePanel internal printers, active repeater and passive repeater, battery back-up, link	Nr	1.00		

	to main reception.				
g	Fire Testing Kit	Nr	1.00		
ELEMENT No. 14	FINISHING				
a)	INTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings)				
a)	Porcelain Tiles				
A	12 mm One coat work; to concrete or blockwork base; generally to walls Finishing	M2	432.00		
B	12 mm one coat work; to concrete or blockwork base; generally to plinths	m2	260.00		
C	12 mm One coat work; to concrete or blockwork base; generally to walls Internal	m2	678.00		
D	ceilings; horizontal; over 300 mm wide Internal	m2	35.00		
E	sides and soffits of beams Internal	m2	723.00		
F	Vertical or battering sides of columns or the like	m2	579.00		
ii)	Wall finish:				
a)	Internal Plastering				
A	50 mm two coats work; to concrete or blockwork base; generally to floors, to falls crossfalls or sloping not exceeding 15 degrees from horizontal	M2	701.00		
B	Skirtings; 150 mm high	m	220.00		
C	Treads; 300 mm wide; one rounded nosing	m	78.00		
D	Risers; 150 mm high; one coved junction with pavings	m	39.00		
i	9 mm Thick; to timber base generally to ceilings Gypsum Board	m2	52.00		
ii	Extra; form cornice; 10 x 10 mm recessed	m	64.00		
iii	Extra; access panels 600 x 600 mm; metal framing all round, fixing with chromium plated screws and cup washers	No	5.00		
b)	EXTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings).				
A	including metal steel brandings; generally to ceilings Extra; access panels; metal framing all round; fixing with	M2	373.00		
B	chromium plated screws and cup washers	No	6.00		
ELEMENT No. 15	PAINTING AND DECORATING				
a)	INTERNAL WORK:				
A	Walls over 300 mm wide	m2	432.00		
B	Steel trowelled rendered surfaces; external over 300 mm wide	m2	260.00		

C	Walls over 300 mm wide	m2	678.00		
D	Ceilings; horizontal; over 300 mm wide	m2	35.00		
E	Sides and soffits of beams	m2	723.00		
F	Vertical or battering sides of columns or the like	m2	579.00		
G	General surfaces over 300 mm wide	m2	12.00		
H	Frames or the like 200 to 300 mm girth	m	42.00		
i	100 mm Thick plinths	m2	1.00		
ii	Suspended floors or the like; horizontal; 70 mm thick	m2	1.00		
iii	Wall 150mm thick	m2	2.00		
a	B.S.4466; Reference A 252; mesh 200 x 200 mm; weight 3.95 kg per square metre; 200 mm end laps; 200 mm side laps	m2	3.00		
b	Soffits; horizontal; floors or the like	m2	1.00		
c	Vertical or battering sides of walls or the like; 75 to 150 mm wide	m	3.00		
d	Worktops or the like	m2	3.00		
e	Edges of vanity tops, worktops or the like; 85 mm wide	m	5.00		
f	Walls; over 300 mm wide	m2	3.00		
ii)	Varnish or Liquering				
A	Walls; over 300 mm wide	M2	3.00		
PART D2: Raskazoni Beach-Amphi Theatre					
BILL No 3	MEASURED WORKS				
ELEMENT No.1	SUBSTRUCTURE (ALL PROVISIONAL)				
1	Excavation and Earthworks;				
A	DEMOLISHING: All items and fittings retrieved from demolition works and which are in good order shall become the property of the Employer, and shall be stored where directed by the Consultant; Other material shall become the property of the contractor:- Demolishing; making good all work disturbed, Existing roof; comprising of roofing tiles and purlins;	Item	1.00		
B	Pulling down to floor level; existing wall or partitions; making good work disturbed: Blockwork walls; 230 mm thick or 150mm thick	Item	1.00		
C	ALTERATIONS: Carefully removing existing services; Electrical installation; shutting off from mains supply; remove switches, fittings and equipment;	Item	1.00		
D	Plumbing installations; shutting off from mains supply; remove pipes, fittings and equipment;	Item	1.00		
E	SITE PREPARATION: Removing bushes, shrubs, trees, etc. Clearing the site; frubbong	M2	493.00		

	up rootsbushes, shrub, undergrowth or the like; small trees not exceeding 600 mm girth				
D	Excavating: Surfaces to reduce levels average 300 mm deep; to remove vegetable soil	M2	493.00		
E	Cutting General	m3	68.00		
F	Trenches Excavation, and Retaining Wall Excavation	M3	317.00		
G	Pits; to receive column foundations; starting from stripped level; not exceeding 1.50 m deep	M3	187.00		
H	1.50 m to 3.0 m deep	M3	44.00		
I	Extra over all kind of excavations irrespective of depth for breaking up rock	M3	55.00		
J	METAL WORK:Stainless steel; bolted or welded connections; ground to a smooth finish;mirror surface finish, Balustrades; comprising 50 mm diameter hollow section handrails;7 No. horizontal adjustable cables fixed to balusters; 100 mm diameter balusters fixed at 3000 mm average centres, with 6 mm thick base plates fixed with bolts to concrete surfaces; fixing in position to including all mortices and fixings; 1000 mm high, horizontal.	M	40.00		
2	Disposal of water:				
A	Earth backfilling well rammed and consolidated around foundations	M3	190.00		
B	portated Backfill and Surplus Materials: Earth backfilling well rammed and consolidated around foundations	M3	425.00		
C	Filling to make up levels under floors;over 300 mm thick; depositing and compacting in layers maximum 150 mm thick; levelling	M3	184.00		
D	Load surplus excavated material and remove from site	M3	242.00		
E	Generally: Keeping excavations free from general water	Item	1.00		
3	Planking and strutting.				
A	Generally: 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	Beds; 250 mm thick; depositing and compacting; levelling; sand blinding	M2	476.00		
5	Soil sterilization:				
A	ANTI-TERMITE TREATMENT: Dragnet FT 1% solution; or equal approved, At the Rate of 7 litres per square metre; to hardcore beds and tops of foundation walls.	M2	476.00		
B	At the Rate of 80 litres per cubic metre; to	M3	10.00		

	backfilling				
7	CONCRETE WORK:				
	Plain insitu concrete grade '15'				
A	INSITU CONCRETE; PLAIN: Normal; class 15/25, Blinding; 50 mm thick	M2	247.00		
	Reinforced insitu concrete grade '30'; vibrated; including vibrating around reinforcements:				
A	SUBSTRUCTURE (ALL PROVISIONAL):-INSITU CONCRETE; REINFORCED: Normal; class 25/19; vibrated, Foundations in trenches; irrespective of thickness	M3	64.00		
B	Foundations to isolated stanchions or the like; irrespective of thickness	M3	20.00		
C	Ground beams; irrespective of thickness	M3	17.00		
D	Retaining walls; 400 mm thick	M2	168.00		
E	Plinth walls; 150 mm thick	M2	48.00		
F	Beds; 150 mm thick	M2	384.00		
G	Columns; vertical or sloping exceeding 15 degrees from horizontal; irrespective of sectional area	M3	10.00		
H	Steps, staircases or strings; generally	M3	4.00		
I	STRUCTURAL FRAME: INSITU CONCRETE; REINFORCED, Normal; class 25/19; vibratedSuspended floors or the like; horizontal; 200 mm thick	M2	44.00		
J	Suspended floors or the like; horizontal; 150 mm thick	M2	189.00		
K	Suspended floors or the like; sloping not exceeding 15 degrees from horizontal; 200 mm thick	M2	304.00		
L	Beams; horizontal or sloping not exceeding 15 degrees from horizontal irrespective of sectional area	M3	33.00		
M	Columns; vertical or sloping exceeding 15 degrees from horizontal irrespective of sectional area	M3	18.00		
N	Parapet walls; 150 mm thick	M2	161.00		
O	Landings; horizontal; 150 mm thick	M2	4.00		
P	Steps, staircases or strings; generally	M3	3.00		
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	SUBSTRUCTURE :Bars; high yield steel; cold worked; B.S 4466 and 4449-08mm Diameter	Kg	1,342.00		
B	10mm Diameter	Kg	2,683.00		
C	12mm Diameter	Kg	7,154.00		
D	16mm Diameter	Kg	7,854.00		
E	20mm Diameter	Kg	3,353.00		

F	STRUCTURAL FRAME:Bars; high yield steel; cold worked; B.S 4466 and 4449- 08 mm	Kg	1,261.00		
G	10 mm	Kg	2,523.00		
H	12 mm	Kg	6,727.00		
I	16 mm	Kg	7,357.00		
J	20 mm	Kg	3,153.00		
II	Fabric Wiremesh				
A	Fabric; B.S.4466:- Reference A 252; mesh 200 x 200 mm; weight 3.95 kg per square metre; in any location	m2	384.00		
9	Formwork:				
	Vertical or battering surfaces				
A	FORMWORK TO INSITU CONCRETE:- Formworks; generally, Vertical or battering sides of foundations or the like.	M2	50.00		
B	Vertical or battering sides of foundations or the like; curved	M2	64.00		
C	Vertical or battering sides of columns or the like; curved irrespective of radii	M2	126.00		
D	Vertical or battering sides of walls or the like; curved irrespective of radii	M2	476.00		
E	Sides and soffits of beams or the like; curved irrespective of radii	M2	95.00		
F	Edges of beds or the like; 75 to 150 mm wide 75 to 150 mm wide; curved irrespective of radii	M	158.00		
G	Sides or risers of steps or staircases; 75 to 150 mm wide	M	36.00		
H	FORMWORK TO INSITU CONCRETE: Formwork generally, Soffits; horizontal	M2	236.00		
I	Soffits; sloping	M2	318.00		
J	Vertical or battering sides of columns or the like; curved irrespective of radii	M2	228.00		
K	Sides and soffits of beams or the like; horizontal	M2	4.00		
L	Sides and soffits of beams or the like; horizontal; curved irrespective of radii	M2	193.00		
M	Vertical or battering sides of walls or the like	M2	48.00		
N	Vertical or battering sides of walls or the like; curved irrespective of radii	M2	274.00		
O	Edges os suspended floors or the like; 150 to 225 mm wide	M	34.00		
P	Edges os suspended floors or the like; 150 to 225 mm wide; curved on plan irrespective of radii	M	132.00		
Q	Edges os suspended floors or the like; 75 to 150 mm wide; curved on plan irrespective of radii	M	112.00		

R	Sides or risers of steps or staircases 75 to 150 mm wide	M	44.00		
S	Sides or risers of steps or staircases 150 to 225 mm wide	M	20.00		
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	BLOCKWORK: Concrete blocks; B.S 6073; type A; 7.0 N per square millimetre; solid; in cementmortar (1:4); including 8 mm diameter 400 mm long wall ties at every secondcourse to join concrete and block works, 230 mm Thick walls; curved on plan; irrespective of radii.	M2	74.00		
B	DAMP PROOF MEMBRANES: Polythene; 1000 gauge; in single layer; 150 mm laps, Horizontal; over 300 mm wide	M2	384.00		
C	EXTERNAL WALLS: PRECAST CONCRETE,Normal; class 25/10; vibrated; part surface fair finish, Copings, 350 x 100 mm extreme thickness; twice weathered; twice 15 mm thick throated; reinforced as necessary for handling; bedding, jointing and pointing in cement (1:4) mortar,	M	65.00		
D	BLOCKWORK: Concrete blocks; B.S 6073; type A; 4.0 N per square millimetre; solid; incement mortar (1:4); including 8 mm diameter 400 mm long wall ties atevery second course to join concrete and block works, 230 mm Thick parapet walls; curved; irrespective of radii.	M2	30.00		
E	150 mm Thick parapet walls; curved; irrespective of radii	M2	27.00		
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	CORRUGATED OR TROUGHED SHEET ROOFING: Galvanized steel sheets; Thatches textured; 26 gauge; Coverings; fixing to steel purlins at 1500 mm general spacing withgalvanised steel hook bolts, nuts, neoprene washers and caps; one on a half trough side laps; 150 mm end laps sloping not exceeding 45 degees from horizontal sloping not exceeding 45 degrees from horizontal,	M2	303.00		
B	Cappings to hip	M	108.00		
C	ROOF STRUCTURE: The following are mild steel to BS 449 and BS4360 grade 43A	Kg	1,160.00		

	including two primer coat red oxide before and after (respectively) erected into fabricator; site welded and connected (Provisional) position by steel, Roof trusses; 18m to 21m span; Type T01; (2No.), Circular hollow section members				
D	Roof trusses; 9m to 12m span; Type T02; (8No.): -Circular hollow section members;	Kg	2,344.00		
E	Fittings; M.S Steel: 20mm, 250mm long anchor bolts,	Nr	154.00		
F	12 mm diameter bolts , washer, nuts	No	384.00		
G	200x200x8mm thick base plates; drilled four holes,	No	10.00		
H	75x75x4mm thick angles - cleats	No	87.00		
I	Purlins and Rails; M.S Steel; galvanized: "Z" - 125x50x2mm thick,	M	236.00		
ELEMENT No. 14	FINISHING				
a)	INTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings)				
b)	Beds and Backing				
A	Mortar ; cement and sand (1:4); steel trowelled:- 40 mm thick, one coat backings; laid to falls or crossfalls sloping not exceeding 15 degrees from horizontal to receive Krystol water proofing coating,	M2	212.00		
B	Mortar; cement and sand (1:4), 35 mm one coat beds; screeded; to receive porcelain tiles; to concrete base; generally to floors,	M2	236.00		
ii)	Wall finish:				
b)	Wall Tiles or Tanga Stones/Slates				
A	FLOOR, WALL AND CEILING FINISHING:- INSITU FINISHINGS, Render; 12 mm first coat of cement and sand (1:5); wood floated; external.generally to walls.	M2	191.00		
B	Plaster; 12 mm first coat of cement and sand (1:5); wood floated; internal; generally to, generally to ceilings	M2	554.00		
C	generally to walls	M2	188.00		
D	sides and soffits of beams	M2	4.00		
E	Vertical or battering sides of columns or the like	M2	228.00		
F	NATURAL STONWORK DRESSINGS: Approved local stones; squared; medium chisel dressed one side; bedding, jointing and recessed pointing one side in cement mortar (1:4) as work proceeds; internal, facing to walls; curved on plan.	M2	120.00		
b)	EXTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings).				

A	TILE, SLAB OR BLOCK FINISHING:- Porcelain tiles; Ex-Italy/Spain; approved; unglazed; to approved pattern; bedding and jointing in cement mortar (1:4) grouting with Sellajunt coloured grout; internal, 450 x 450 x 15 mm; butt joints; to cement and sand base; generally to floors.	M2	236.00		
B	Approved local stones; squared; medium chisel dressed one side; bedding, jointing and recessed pointing one side in cement mortar (1:4) as work proceeds; internal:- Floors; 50 mm thick	M2	304.00		
C	Treads; 300 mm wide; one rounded nosing	M	44.00		
D	Risers; 150 mm high; one coved junction with pavings	M	44.00		
ELEMENT No. 15	PAINTING AND DECORATING				
a)	INTERNAL WORK:				
i)	Painting and Decorations				
A	PREPARE SURFACE AND APPLY THREE COATS OF GLOSS PAINT: surfaces over 100 but not exceeding 200 mm girth,	M	210.00		
B	WATER PROOFING: Krystol; Prepare surfaces to smooth finish by applying krystol "T1" primer and baricotte; apply one coat of Krystol "T1" slurry followed by overcoat of Krystol "T2" slurry; all as per manufacturer's instructions, Coverings laid on trowelled screed (measured separately) horizontal or sloping not exceeding 15 degrees from horizontal,	M2	189.00		
C	Skirtings; 200 mm wide	M	113.00		
D	Extra; working into outlet pipes; dishing to gullies or the like	Nos	5.00		
E	PAINTING AND DECORATING: Note:- All paints colours shall conform to Architect's specifications, All paint are as per equal approved manufacturers, WALL PLASTER SKIM COAT; ONE COAT ALKALI PRIMER; TWO COATS WEATHERGUARD PAINT, Wood floated rendered surfaces; external, Walls over 300 mm wide,	M2	191.00		
F	WALL PLASTER SKIM COAT; ONE COAT ALKALI PRIMER; TWO COATS WASH'N WEAR SILK EMULSION, Wood floated rendered surfaces; internal, generally to ceilings.	M2	554.00		
G	Walls over 300 mm wide	M2	188.00		
H	Sides and soffits of beams	M2	4.00		
I	Vertical or battering sides of columns or the like	M2	228.00		

PART D1: Raskazoni Beach-Restaurant

BILL No 3	MEASURED WORKS				
ELEMENT No.1	SUBSTRUCTURE (ALL PROVISIONAL)				
1	Excavation and Earthworks;				
A	SITE PREPARATION:Removing bushes, shrubs, trees, etc.Clearing the site; frubbong up rootsbushes, shrub, undergrowth or the like; small trees not exceeding 600 mm girth	M2	578.00		
B	EXCAVATION:Excavating, Surfaces to reduce level average 300 mm deep; to remove vegetable soil	M2	578.00		
c	Demolishing; making good all work disturbed Existing roof; comprising of roofing tiles and purlins; Pulling down to floor level; existing wall or partitions; making good work disturbed	ITEM	1.00		
D	Demolishing; making good all work disturbed:Blockwork walls; 230 mm thick or 150mm thick	ITEM	1.00		
E	ALTERATIONS,Carefully removing existing services; Electrical installation; shutting off from mains supply; remove switches, fittings and equipment;	ITEM	1.00		
F:	ALTERATIONS,Carefully removing existing services; Plumbing installations; shutting off from mains supply; remove pipes,fittings and equipment;	ITEM	1.00		
G	Excavating: Cuttings; generally	M3	81.00		
H	Excavating: Trenches Excavation, and Retaining Wall Excavation	M3	584.00		
I	Excavating:Pits; to receive column foundations; starting from stripped level; not exceeding 1.50 m deep	M3	225.00		
J	Excavating: 1.50 m to 3.0 m deep	M3	68.00		
K	Excavating: Extra over all kind of excavations irrespective of depth for breaking up rock	M3	88.00		
2	Disposal of water:				
A	DISPOSAL: Selected Excavated Backfill and Surplus Materials,Earth backfilling well rammed and consolidated around foundations	M3	441.00		
B:	DISPOSAL :Imported Backfill and Surplus Materials,Earth backfilling well rammed and consolidated around foundations	M3	213.00		
C	DISPOSAL: Imported Backfill and Surplus Materials, Filling to make up levels under floors;over 300 mm thick; depositing and compacting in layers maximum 150 mm thick; levelling	M3	457.00		
D	DISPOSAL: Imported Backfill and Surplus Materials,Load surplus excavated material and remove from site	M3	60.00		

E	DISPOSAL OF WATER: Generally, Keeping excavations free from general water	ITEM	1.00		
3	Planking and strutting.				
A	PLANKING AND STRUTTING, Generally, 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	HARD CORE OR THE LIKE, Hardcore, Beds; 200 mm thick; depositing and compacting; levelling; sand blinding	M2	412.00		
5	Soil sterilization:				
A	ANTI-TERMITE TREATMENT, Dragnet FT 1% solution; or equal approved, At the Rate of 7 litres per square metre; to hardcore beds and tops of foundation walls	M2	412.00		
B	ANTI-TERMITE TREATMENT, Dragnet FT 1% solution; or equal approved, At the Rate of 80 litres per cubic metre; to backfilling	M3	9.00		
7	CONCRETE WORK:				
	Plain insitu concrete grade '10'				
A	EXTERNAL WALLS: BLOCKWORK, Concrete blocks; B.S 6073; type A; 4.0 N per square millimetre; solid; incement mortar (1:4); including 8 mm diameter 400 mm long wall ties at every second course to join concrete and block works, 230 mm Thick walls	M2	263.00		
B	INSITU CONCRETE; PLAIN, Normal; class 15/25, Blinding; 50 mm thick	M2	430.00		
	Reinforced insitu concrete grade '25'; vibrated; including vibrating around reinforcements:				
A	INSITU CONCRETE; REINFORCED, Normal; class 25/19; vibrated, Foundations in trenches; irrespective of thickness.	M3	119.00		
B	Normal; class 25/19; vibrated, Foundations to isolated stanchions or the like; irrespective of thickness	M3	22.00		
C	Normal; class 25/19; vibrated, Ground beams; irrespective of thickness.	m3	15.00		
D	Normal; class 25/19; vibrated, Retaining walls; 400 mm thick.	M2	267.00		
E	Normal; class 25/19; vibrated, Beds; 150 mm thick	M2	459.00		
G	Normal; class 25/19; vibrated, Columns; vertical or sloping exceeding 15 degrees from horizontal; irrespective of sectional area	M3	6.00		
H	INSITU CONCRETE; REINFORCED, Normal; class 25/19; vibrated, Steps, staircases or strings; generally	M3	2.00		

I	Normal; class 25/19; vibrated, Suspended floors or the like; horizontal; 150 mm thick.	M3	456.00		
J	Normal; class 25/19; vibrated, Suspended floors or the like; sloping not exceeding 15 degrees from horizontal; 150 mm thick.	M3	14.00		
K	INSITU CBeams; horizontal or sloping not exceeding 15 degrees from horizontal irrespective of sectional area	M3	32.00		
L	INSITU CONCRETE; REINFORCED, Normal; class 25/19; vibrated, Steps, staircases or strings; generally	M3	2.00		
M	Normal; class 25/19; vibrated, Landings; horizontal; 150 mm thick	M3	6.00		
N	Columns; vertical or sloping exceeding 15 degrees from horizontal irrespective of sectional area	M3	23.00		
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	SUBSTRUCTURE :(ALL PROVISIONAL) -Bars; high yield steel; cold worked; B.S 4466 and 4449 -08mm Diameter	Kg	1,163.00		
B	Bars; high yield steel; cold worked; B.S 4466 and 4449 -10mm Diameter	Kg	2,326.00		
C	Bars; high yield steel; cold worked; B.S 4466 and 4449 -12mm Diameter	Kg	6,202.00		
D	Bars; high yield steel; cold worked; B.S 4466 and 4449 -16mm Diameter	Kg	6,783.00		
E	Bars; high yield steel; cold worked; B.S 4466 and 4449 -20mm Diameter	Kg	2,907.00		
F	STRUCTURAL FRAME: Bars; high yield steel; cold worked; B.S 4466 and 4449, 8 mm	kg	911.00		
G	Bars; high yield steel; cold worked; B.S 4466 and 4449, 10 mm	kg	1,820.00		
H	Bars; high yield steel; cold worked; B.S 4466 and 4449, 12 mm	kg	4,854.00		
I	Bars; high yield steel; cold worked; B.S 4466 and 4449, 16 mm	kg	5,309.00		
J	Bars; high yield steel; cold worked; B.S 4466 and 4449, 20 mm	kg	2,276.00		
II	Fabric Wiremesh				
A	Fabric; B.S.4466, Reference A 252; mesh 200 x 200 mm; weight 3.95 kg per square metre; in any location	m ²	459.00		
9	Formwork:				
	Vertical or battering surfaces				
A	SUBSTRUCTURE (ALL PROVISIONAL): FORMWORK TO INSITU CONCRETE,Formworks; generally, Vertical or battering sides of foundations or	M2	213.00		

	the like.				
B	FORMWORK TO INSITU CONCRETE, Formworks; generally, Vertical or battering sides of columns or the like	M2	11.00		
C	FORMWORK TO INSITU CONCRETE, Formworks; generally, Vertical or battering sides of columns or the like; curved irrespective of radii	M2	52.00		
D	FORMWORK TO INSITU CONCRETE, Formworks; generally, Vertical or battering sides of walls or the like	M2	532.00		
E	FORMWORK TO INSITU CONCRETE, Formworks; generally, Sides and soffits of beams or the like	M2	125.00		
F	FORMWORK TO INSITU CONCRETE, Formworks; generally, Edges of beds or the like; 75 to 150 mm wide 75 to 150 mm wide;	M2	56.00		
G	FORMWORK TO INSITU CONCRETE, Formworks; generally, Sides or risers of steps or staircases; 75 to 150 mm wide	M2	24.00		
12	DAMP PROOFING				
A	DAMP PROOF MEMBRANES, Polythene; 1000 gauge; in single layer; 150 mm laps, Horizontal; over 300 mm wide	M2	459.00		
G	STRUCTURAL FRAME: FORMWORK TO INSITU CONCRETE, Formwork generally, Soffits; horizontal,	M2	461.00		
H	Formwork generally, Soffits; sloping	M2	14.00		
I	Formwork generally, Vertical or battering sides of columns or the like,	M2	33.00		
J	Formwork generally, Vertical or battering sides of columns or the like; curved irrespective of radii,	M2	269.00		
K	Formwork generally, Sides and soffits of beams or the like; horizontal	M2	352.00		
L	Formwork generally, Edges os suspended floors or the like; 75 to 150 mm wide	M2	170.00		
M	Formwork generally, Sides or risers of steps or staircases 75 to 150 mm wide	M2	44.00		
N	Formwork generally, Sides or risers of steps or staircases 150 to 225 mm wide	M2	19.00		
P	DAMP PROOF COURSES: B.S. 8102; bitumen hessian base; 150 mm laps, Horizontal; 230 mm wide	M	43.00		
Q	DAMP PROOF COURSES: B.S. 8102; bitumen hessian base; 150 mm laps, 230 mm wide	M	227.00		
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	EXTERNAL WALLS:BLOCKWORK,Concrete blocks; B.S 6073; type A; 4.0 N per square millimetre; solid; incement mortar (1:4); including 8 mm diameter 400 mm long wall ties atevery second course to join concrete and block works 230mm. Walls.	M2	145.00		
B	INTERNAL WALLS: PRECAST CONCRETE, 230 x 300 mm Lintels; four 12 mm diameter deformed high yield steel bars and 8 mm mild steel stirrups at 180 mm centres,	M	29.00		
C	INTERNAL WALLS: BLOCKWORK, Concrete blocks; B.S 6073; type A; 4.0 N per square millimetre; solid; incement mortar (1:4); including 8 mm diameter 400 mm long wall ties atevery second course to join concrete and block works, 230 mm Thick walls	M2	545.00		
ELEMENT No.5	ROOFING				
I	ROOF COVERINGS				
II	24 Gauge resin coated aluminium roofing sheets IT5 as supplied by Aluminium Africa or any other equal and approved manufacturer, fixing to steel Z-purlins with J-bolts as per manufacturer's instruction				
A	CORRUGATED OR TROUGHED SHEET ROOFING: Aluzinc; IT5; 26 gauge; Coverings; fixing to steel purlins at 1500 mm general spacing withgalvanised steel hook bolts, nuts, neoprene washers and caps; one on a half trough side laps; 150 mm end laps sloping not exceeding 45 degees from horizontal sloping not exceeding 45 degrees from horizontal	M2	434.00		
B	ROOF STRUCTURE: The following are mild steel to BS 449 and BS4360 grade 43A including two primer coat red oxide before and after (respectively) erected into fabricator; site welded and connected (Provisional) position by steel, Roof trusses; 9m to 12m span; Type T1 to T16; (16No.)100 X 150 C20	M	323.00		
C	100 X 75 C20	M	247.00		
D	Fittings; M.S Steel, 20mm, 250mm long anchoir bolts	Nr	218.00		
E	12 mm diameter bolts , washer, nuts	No	653.00		
F	200x200x8mm thick base plates; drilled four holes	No	28.00		
G	75x75x4mm thick angles - cleats	No	136.00		
H	Purlins and Rails; M.S Steel; galvanized: "Z" - 125x50x2mm thick	M	389.00		
ELEMENT No.6	DOORS:				

4	WOOD WORK				
III	Prime quality hardwood, Paneled Doors, 50mm Thick Pannel glazed door comprising of 100mm wide stiles and top rail; 150mm wide bottom rail ; 100mm intermediate rail; with 8mm thick solid panels, housed to stiles and rail.				
A	DOORS: GENERAL JOINERY, Panelled doors; 40 x 150 mm rails and stiles; panels infilled with and including 8mm thick laminated sheet glass; hardwood glazing beads; all including spray varnishing, 2000x3000mm high overall size; double leaves; door type D2	No	2.00		
B	1000x2100mm high overall size; door type D6	No	1.00		
C	900x2100mm high overall size; door type D3	No	9.00		
D	800x2100mm high overall size; door type D4	No	14.00		
E	50 x 150 mm Frames one; labour; plugging	M	130.00		
G	20 x 50 mm Architraves	M	130.00		
6	IRON MONGERY				
	Supply and fix the following ironmongery; HAFELE/UNION or other equal and approved; to hardwood with matching screws.				
A	IRONMONGERY: Supplying and fixing ironmongery; approved manufacturer; salt spray tested; suitable for coastal and external applications; where specified on the drawings, ironmongery to be matt black stainless steel AISI 304 fixing with screws to softwood, hardwood or the like, 100 mm; fire rated butt hinges	Prs	40.00		
B	Lockset/ mortise with face plate	Nos	25.00		
C	Lock cylinder	Nos	21.00		
D	Fire rated overhead hydraulic door closer with back check	Nos	27.00		
E	Kick plates; 150 mm wide x 1.5 mm thick; 1000 mm long	Nos	5.00		
F	Kick plates; 150 mm wide x 1.5 mm thick; 900 mm long	Nos	9.00		
G	Kick plates; 150 mm wide x 1.5 mm thick; 800 mm long	Nos	14.00		
H	Door stop	Nos	27.00		
I	Push plate; 382 x 100 mm; 1.5 mm thick with "PUSH" symbol	Nos	13.00		
J	Pull plate; 382 x 100 mm; 1.5 mm thick with "PULL" symbol	Nos	13.00		
K	Pull handle; 900 mm long x 38 mm diameter	Nos	25.00		
L	WC red/green indicating disc with escutcheons and dead lock with emergency opening function	Nos	14.00		
M	signage; 70 mm diameter; satin finish	Nos	10.00		

ELEMENT No.7	WINDOWS				
1	HEAVY DUTY ALUMINIUM ALLOY WINDOWS-DOUBLE GLAZING				
I	<p>"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 Approval"</p>				
A	WINDOWS: STANDARD UNITS, Powder coated aluminium windows; 50 x 75 mm extruded frame; matching ironmongery to windows and openings; neoprene gaskets for glazing; assembling; fixing to grounds; sealing all round with approved non-hardening mastic;; overall size; in panes glass; removing protective tape; all in accordance with Architect's drawings and manufacturer's recommendations, including 6 mm thick clear ,850 x 1050 mm high.	NoS	7.00		
B	1000 x 1050 mm high; overall size; in panes	NOs	1.00		
ELEMENT No. 14	FINISHING				
a)	INTERNAL FINISHINGS				
ii)	Wall finish:				
b)	Wall Tiles or Tanga Stones/Slates				
B	FLOOR, WALL AND CEILING FINISHING, INSITU FINISHINGS, Render; 12 mm first coat of cement and sand (1:5); wood floated; external, generally to walls	M2	145.00		
C	generally to plinths	M2	34.00		
c)	Beds and backings				
B	BEDS OR BACKINGS: Mortar ; cement and sand (1:4); steel trowelled 40 mm thick, one coat backings; laid to falls or crossfalls sloping not exceeding 15 degrees from horizontal to receive Krystol water proofing coating	M2	74.00		
C	Mortar; cement and sand (1:4), 35 mm one coat beds; screeded; to receive porcelain tiles; to concrete base; generally to floors,	M2	805.00		
D	12 mm one coat backings; screeded; to receive wall tiles; to concrete or block work base; generally to walls	M2	353.00		

b)	EXTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings).				
B	METAL WORK: Stainless steel; bolted or welded connections; ground to a smooth finish; mirror surface finish, Balustrades; comprising 50 mm diameter hollow section handrails; 7 No. horizontal adjustable cables fixed to balusters; 100 mm diameter balusters fixed at 3000 mm average centres, with 6 mm thick base plates fixed with bolts to concrete surfaces; fixing in position to including all mortices and fixings; 1000 mm high, horizontal	M	60.00		
C	Stainless steel; bolted or welded connections; ground to a smooth finish; mirror surface finish, Balustrades; comprising 50 mm diameter hollow section handrails; 7 No. horizontal adjustable cables fixed to balusters; 100 mm diameter balusters fixed at 3000 mm average centres, with 6 mm thick base plates fixed with bolts to concrete surfaces; fixing in position to including all mortices and fixings; 900 mm high, horizontal.	M	17.00		
D	TILE, SLAB OR BLOCK FINISHING: Porcelain tiles; Ex-Italy/Spain; approved; unglazed; to approved pattern; bedding and jointing in cement mortar (1:4) grouting with Sella Junta coloured grout; internal, 450 x 450 x 15 mm; butt joints; to cement and sand base; generally to floors	M2	805.00		
E	450 x 150 mm; skirting	M	550.00		
F	Treads; 300 mm wide; one rounded nosing	M	65.00		
G	Risers; 150 mm high; one coved junction with pavings	M	68.00		
E	Ceramic tiles; glazed; two colour-ways; regular pattern bedding and jointing in cement mortar (1:4); grouting joints with white cement; internal, 200 x 400 x 6 mm; butt joints straight both ways to cement and sand base; generally to walls	M2	353.00		
F	NATURAL STONEMASONRY DRESSINGS: Approved local stones; squared; medium chisel dressed one side; bedding, jointing and recessed pointing one side in cement mortar (1:4) as work proceeds; internal, facing to walls	M2	97.00		
ii)	Wall finish				
a)	External Plastering				
B	Plaster; 12 mm first coat of cement and sand (1:5); wood floated; internal; generally to, generally to ceilings	M2	475.00		
D	generally to walls	M2	882.00		
E	sides and soffits of beams	M2	352.00		
F	Vertical or battering sides of columns or the	M2	301.00		

	like				
ELEMENT No. 15	PAINTING AND DECORATING				
a)	INTERNAL WORK:				
A	PAINTING AND DECORATING: PREPARE SURFACE AND APPLY THREE COATS OF GLOSS PAINT, Prepare one coat zinc rich primer followed by two coats matt enamelgloss paint to manufacturers instructions to metal work surfaces, surfaces over 100 but not exceeding 200 mm girth	M	349.00		
i)	Painting and Decorations				
B	WATER PROOFING: Krystol; Prepare surfaces to smooth finish by applying krystol "T1" primer and baricotte; apply one coat of Krystol "T1" slurry followed by overcoat of Krystol "T2" slurry; all as per manufacturer's instructions, Coverings laid on trowelled screed (measured separately) horizontal or sloping not exceeding 15 degrees from horizontal	M2	68.00		
C	Skirtings; 200 mm wide	M	30.00		
D	Extra; working into outlet pipes; dishing to gullies or the like	NOs	4.00		
E	Note:- All paints colours shall conform to Architect's specifications, All paint are as per equal approved manufacturers, WALL PLASTER SKIM COAT; ONE COAT ALKALI PRIMER; TWO COATS WEATHERGUARD PAINT, Wood floated rendered surfaces; external, Walls over 300 mm wide	M2	145.00		
F	THREE COATS BLACK BITUMINOUS PAINT, Steel trowelled rendered surfaces; external, over 300 mm wide	M2	34.00		
G	WALL PLASTER SKIM COAT; ONE COAT ALKALI PRIMER; TWO COATS WASH'N WEAR SILK EMULSION, Wood floated rendered surfaces; internal, Walls over 300 mm wide	M2	882.00		
H	Sides and soffits of beams	M2	352.00		
I	Vertical or battering sides of columns or the like	M2	301.00		
b)	EXTERNAL WORK:				
i)	External Painting				
PART B7: Deep Sea Fish Market-External Works					
SERIES 2000	DRAINAGE				
Section 2100	Drains				
21.01	Excavation for Open Drains				
a	0.5 m up to 1.5 m	m3	77.00		
b	Exceeding 1.5m and up to 3.0m	m3	10.00		

22.01	Excavation				
i	0.5 m up to 1.5 m	m3	54.00		
ii	Exceeding 1.5m and up to 3.0m	m3	34.00		
22.02	Backfilling				
i	Using excavated material	m3	22.00		
ii	Using imported selected material	m3	40.00		
22.03	Concrete Pipe Culverts on Class A bedding				
ii	900mm diameter as indicated on drawings	m	60.00		
22.07	Cast in situ concrete and formwork				
i	In Class A bedding, screeds and the encasing for pipes including formwork (Class 20/19 concrete)	m3	8.64		
ii	In Class 25/19 inlet and outlet structures, catchpits, manholes, thrust and anchor blocks, including formwork and Class U2 surface finish	m3	12.00		
22.10	Steel Reinforcement				
i	(b)High-tensile steel bars (for inlet and outlet structures)	Tonnes	4.00		
22.23	Service Ducts				
a	Provide & construct service ducts using Ordinary pipes (mPVC 300 mm dia.)	m	30.00		
b	Hand excavation to determine the position of existing services (Provisional)	m3	200.00		
Series 2300	Concrete Kerbing, Concrete Channelling, Open Concrete Chutes and Concrete Lining for Open Drains				
23.01	Concrete kerbing				
a	450 x 150 Precast kerb (Concrete class 30/19) with cast in-situ Concrete Class 20/19 Hunching as shown in the drawing for Inner Side of road/Bus bays	m	965.00		
23.05	Inlet and outlet for concrete chutes and slope drains				
a	(i) 200mm thick Vehicular Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	m2	40.00		
b	(ii) 150mm thick Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	m2	100.00		
c	(iii) 100mm thick Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	m2	80.00		
d	(iv) 75mm thick Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	m2	100.00		
e	(v) 50mm thick Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	m2	100.00		
23.07 (a)	In soft material as defined in Clause 3603	m2	280.00		
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	26.00		
23.12	Reinforcements for drains	tonnes	5.00		
23.13	Polyethylene sheeting (0.15mm thick)	m2	2,217.00		
Section 2500	Pitching, Stonework and Protection Against Erosion				
25.01	Stone Pitching				
a	Block work for drains 230mm thick	m2	760.00		
b	(i). (200x100x60mm) 25Mpa Prefabricated concrete paving blocks for sidewalk pavement including 30mm Sand capping	m2	1,290.00		
b	(ii). (200x100x80mm) 35Mpa Prefabricated concrete paving blocks for vehicular areas including 30mm Sand capping	m2	2,103.00		
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	1.50		
b	Removal of topsoil	m3	2,250.00		
c	(Material other than topsoil excavated from side drains and existing/new roadway which is not suitable for fill)	m3	1,276.00		
31.02	Removal and grubbing of large trees and tree stumps				
3600	Selecting and Utilizing Material From Borrow Pits and Cuttings				
36.01	Excavations:				
36.02	Fill and improved subgrade layers				
a	Improved subgrade layer as specified in the Drawings to require G15 quality material as minimum	m3	611.00		
b	Improved subgrade layer as specified in the Drawings to require G7 quality material as minimum	m3	611.00		
c	Fill as specified in the Drawings to require G3 quality material as minimum	m3	1,527.50		
3700	Pavement Layers of Natural Gravel Materials				
37.02	Natural Gravel for Sub-base Course				
a	Natural Gravel Class G45	m3	252.00		
3800	STABILISATION				
38.02	Chemical stabilisation, payment for full cost of providing:-				
b	Stabilised Layer, Material Class C1 (200mm thick subbase)	m3	418.00		
38.03	Chemical stabiliser agent				
b	Ordinary portland cement (for subbase)	Tonne (t)	30.00		
3900	CRUSHED AGGREGATE BASE COURSE				
39.01	Crushed aggregate for base course:				
b	Crushed Aggregate Base, Class CRR 150mm	m3	417.50		

SERIES 5000	ANCILLARY ROADWORKS				
5400	Road Signs				
a	(a) Regulatory Signs (600mm)	No	6.00		
b	(b) Warning Signs (600mm)	No	2.00		
c	(c)(i) Information Signs (0-1m ²)	No	5.00		
d	(c)(ii) Information Signs (1-2m ²)	No	3.00		
5500	Road Markings				
55.01	Road Markings Paint				
a	(i) White unbroken road marking lines 100mm wide (2mm thick)	m	50.00		
a	(iii) White unbroken road marking lines 300mm wide (2mm thick)	m	50.00		
b	(i) Yellow acoustic road marking lines 150mm wide at edges (2mm thick)	m	60.00		
c	White Lettering and Symbols	m ²	10.00		
d	Traffic Island Markings	m ²	10.00		
e	Setting out and premarking the lines	m	160.00		
5600	CATTLE GRIDS AND AXLE WEIGH-BRIDGES				
56.03	Installation of Weigh Bridges:				
a	Allow for Provision and Installation of Solar Street Lights to be done by Specialised Sub-Contractor (approx. 20 numbers)	PS	1.00	90000000	90,000,000.00
b	Allow for contractor's overhead and profits as a percentage of above	%			
5700	Landscaping and Grassing				
57.03	Preparing areas for grassing				
a	(a) Machine trimming	m ²	1,000.00		
b	(b) Hand trimming	m ²	1,000.00		
c	(i) Topsoil obtained from within the road reserve or borrow areas	m ³	47.00		
c	(ii) Topsoil obtained from other sources	m ³	20.00		
d	(a) Planting of grass cuttings (type of grass as instructed)	ha	0.50		
e	Watering, the grass weekly, when established by topsoiling only until the end of defect liability	Item	1.00		
57.09	Planting and establishing trees and shrubs				
a	(a) Providing the trees and shrubs (types as instructed)	No	40.00		
b	(i) Trees at 25m spacing at locations instructed by the Engineer	No	40.00		
b	(ii) Shrubs at 25m spacing at locations instructed by the Engineer	No	45.00		
c	Weeding all grass-seeded areas and the grass weekly, when established by topsoiling only until the end of defect liability	ha	0.50		

PART C1: Makorora Market

BILL No 3	MEASURED WORKS				
ELEMENT No.1	SUBSTRUCTURE (ALL PROVISIONAL)				
1	Excavation and Earthworks;				
A	Surfaces to reduce levels average 300 mm deep; to remove vegetable soil	M2	4,914.00		
B	Trenches Excavation, and Retaining Wall Excavation	M3	693.00		
C	Pits; to receive column foundations; starting from stripped level; not exceeding 1.50 m deep	M3	460.00		
D	1.50 m to 3.0 m deep	M3	307.00		
E	Extra over all kind of excavations irrespective of depth for breaking up rock	M3	50.00		
F	Earth backfilling well rammed and consolidated around foundations	M3	2,263.00		
G	Filling to make up levels under floors; over 300 mm thick; depositing and compacting in layers maximum 150 mm thick; levelling	M3	1,227.00		
H	Load surplus excavated material and remove from site	M3	722.00		
I	Clearing the site; grubbing up roots, bushes, shrub, undergrowth or the like; small trees not exceeding 600 mm girth	M2	4,914.00		
J	Demolishing; making good all work disturbed Existing roof; comprising of roofing tiles and purlins;	Item	1.00		
K	Pulling down to floor level; existing wall or partitions; making good work disturbed Blockwork walls; 230 mm thick or 150mm thick	Item	1.00		
L	ALTERATIONS Carefully removing existing services; Electrical installation; shutting off from mains supply; remove switches, fittings and equipment;	ITEM	1.00		
M	Plumbing installations; shutting off from mains supply; remove pipes, fittings and equipment;	ITEM	1.00		
2	Disposal of water:				
A	Keeping excavations free from general water	Item	1.00		
3	Planking and strutting.				
A	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	Beds; 200 mm thick; depositing and compacting; levelling; sand blinding	M2	4,287.00		
5	Soil sterilization:				

A	Dragnet FT 1% solution; or equal approved At the Rate of 7 litres per square metre; to hardcore beds and tops of foundation walls	M2	4,287.00		
B	Ditto; At the Rate of 80 litres per cubic metre; to backfilling	m3	36.00		
6	Damp Proof Membrane				
A	Polythene; 1000 gauge; in single layer; 150 mm laps Horizontal; over 300 mm wide	M2	4,091.00		
7	CONCRETE WORK:				
	Plain insitu concrete grade '15'				
A	Blinding; 50 mm thick	M2	578.00		
	Reinforced insitu concrete grade '25'; vibrated; including vibrating around reinforcements:				
A	Foundations in trenches; irrespective of thickness	M3	133.00		
B	Foundations to isolated stanchions or the like; irrespective of thickness	M3	307.00		
C	Ground beams; irrespective of thickness	M3	98.00		
D	Beds; 150 mm thick	M2	4,091.00		
E	Ramps; 150 mm thick	M2	162.00		
F	Columns; vertical or sloping exceeding 15 degrees from horizontal; irrespective of sectional area	M3	24.00		
G	Steps, staircases or strings; generally	M3	5.00		
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	08mm Diameter	Kg	4,085.00		
B	10mm Diameter	Kg	8,169.00		
C	12mm Diameter	Kg	21,785.00		
D	16mm Diameter	Kg	23,827.00		
E	20mm Diameter	Kg	10,212.00		
II	Fabric Wiremesh				
A	Reference A 252; mesh 200 x 200 mm; weight 3.95 kg per square metre; in any location	m2	4,253.00		
9	Formwork:				
	Vertical or battering surfaces				
A	Vertical or battering sides of foundations or the like	M2	743.00		
B	Vertical or battering sides of columns or the like	M2	212.00		
C	Sides and soffits of beams or the like	M2	2,970.00		
D	"Edges of beds or the like; 75 to 150 mm wide 75 to 150 mm wide; "	M	308.00		
E	Sides or risers of steps or staircases; 75 to 150 mm wide	M	166.00		

10	WALLING				
A	Concrete blocks; B.S 6073; type A; 7.0 N per square millimetre; solid; in cementmortar (1:4); including 8 mm diameter 400 mm long wall ties at every secondcourse to join concrete and block works 230 mm Thick walls	M2	693.00		
12	DAMP PROOFING				
A	230mm wide; Hessians based damp proof course; laid on blockwork with 150mm end laps	M	238.00		
B	B.S. 8102; bitumen hessian base; 150 mm laps 230 mm wide	M	458.00		
ELEMENT No.2	FRAMES				
	CONCRETE WORKS:				
II	Reinforced insitu concrete grade '25' including vibrating around reinforcements.				
A	150 mm Thick suspended floors or the like	M2	301.00		
B	Beams; horizontal or sloping not exceeding 15 degrees from horizontal irrespective of sectional area	M3	89.00		
D	Columns; vertical or sloping exceeding 15 degrees from horizontal irrespective of sectional area	M3	196.00		
E	Ramps; 150 mm thick	M2	90.00		
F	Steps, staircases or strings; generally	M3	10.00		
H	Gutters; 150 x 2100 mm girth	M	379.00		
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	8mm Diameter	Kg	3,308.00		
B	10mm Diameter	Kg	6,615.00		
C	12 mm Diameter	Kg	17,641.00		
D	16mm Diameter	Kg	19,295.00		
E	20mm Diameter	Kg	8,269.00		
3	Formworks				
	Wrought formwork to:				
A	Soffits of suspended floors or the like	M2	301.00		
D	Vertical or battering sides of columns or the like	M2	1,992.00		
E	Sides and soffits of beams or the like; horizontal	M2	738.00		
G	Edges of suspended floors or the like 75 to 150 mm wide	M	68.00		
H	Edges of suspended floors or the like 150 to 225 mm wide	M	0.00		
ELEMENT No.3	STAIRS AND RAMPS				

4	Balustrade				
A	METAL WORK Stainless steel; bolted or welded connections; ground to a smooth finish; mirror surface finish Balustrades; comprising 50 mm diameter hollow section handrails; 7 No. horizontal adjustable cables fixed to balusters; 100 mm diameter balusters fixed at 3000 mm average centres, with 6 mm thick base plates fixed with bolts to concrete surfaces; fixing in position to including all mortices and fixings; 900 mm high, horizontal	M	232.00		
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 Normal; class 25/10; vibrated; part surface fair finish Cills; once sunk weathered; once throated 20 x 10 mm deep; reinforced as necessary for handling; surface finish 700 mm girth; bedding, jointing and pointing in cement mortar (1:4) Copings 100 x 380 mm extreme thickness; twice weathered; twice 15 mm thick throated; reinforced as necessary for handling; bedding, jointing and pointing in cement (1:4) mortar: to architectural details	M	340.00		
B	BLOCKWORK Concrete blocks; B.S 6073; type A; 4.0 N per square millimetre; solid; in cement mortar (1:4); including 8 mm diameter 400 mm long wall ties at every second course to join concrete and block works 150 mm Thick walls	M2	475.00		
C	INTERNAL WALLS PRECAST CONCRETE Normal; class 25/19; vibrated; part fair faced finish 2030 x 300 mm Lintels; four 12 mm diameter deformed high yield steel bars and 8 mm mild steel stirrups at 180 mm centres	M	195.00		
D	BLOCKWORK Concrete blocks; B.S 6073; type A; 4.0 N per square millimetre; solid; in cement mortar (1:4); including 8 mm diameter 400 mm long wall ties at every second course to join concrete and block works 150 mm Thick walls	M2	915.00		
E	BUILDER'S WORK IN CONNECTION Generally Allow for checking installations are set truly square before making good or plastering and for cutting any necessary chases or holes in concrete or blockwork and finishing for conduits and fittings connection with the following electrical installations	ITEM	1.00		
F	Allow for checking installations are set truly square before making good or plastering and	ITEM	1.00		

	for cutting any necessary chases or holes in concrete or blockwork and finishing for conduits and fittings connection with the following mechanical and plubing installations				
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	CORRUGATED OR TROUGHED SHEET ROOFING Aluzinc; IT5; 26 gauge; Coverings; fixing to steel purlins at 1500 mm general spacing withgalvanised steel hook bolts, nuts, neoprene washers and caps; one on a half trough side laps; 150 mm end laps sloping not exceeding 45 degees from horizontal sloping not exceeding 45 degrees from horizontal	M2	5,952.00		
B	Cappings to ridges; 380 mm girth; fixing with galvanized steel bolts, nuts, neoprene washer and caps	M	311.00		
3	Unframed Structural Hollow section steel pipe				
3.1	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 paint				
A	The following are mild steel roof truss spanning over 16.00m not exceeding 18.00m to BS 449 and BS4360 grade 43A including one primer coat and two finishing coats of oil paint, before and after (respectively) erected into fabricator; site welded and connected (Provisional) position by steel CHS Section Tie beam/ Rafters/Struts 75 x 4mm	M	1,420.00		
B	Purlins 150 x 50 x 20 x 2mm purlins	M	7,497.00		
C	8mm thick mild steel plate Size 300 x250mm base plate	M	470.00		
D	20mm, 250mm long bolt	Nr	187.00		
E	550 x 200 mm	Nr	40.00		
F	Bolts Mild steel bolts , washer, nuts,including drilling holes M16 anchor bolts grade 4.6, 400mm long	No	530.00		
G	12mm Diameter steel bar; welded to base plate; 1200mm long	No	280.00		
H	PAINTING AND DECORATING PREPARE SURFACE AND APPLY THREE COATS OF GLOSS PAINT Prepare one coat zinc rich primer followed by two coats matt enamelgloss paint to manufacturers instructions to metal work surfaces surfaces over 100 but not	M	9,387.00		

	exceeding 200 mm girth				
ELEMENT No.6	DOORS:				
2	Fire Resistant Door				
	Supply and fix 90 minutes fire rated galvanized anti corrosion plate panel 2mm, door weight 150kg complete with panic or push bar and locking mechanism as per Architect approval				
A	METALWORKS High Speed Manually operated roller shutter doors; galvanised steel frames; proprietary 100 mm steel slats; assembling with stainless steel screws to joints and fixing to timber grounds, sealing all round with non-hardening mastic; 200 mm minimum thick steel slide guides; heavy duty aluminium bottom rail; all standard locking ironmongery; placing in position 3000 x 2700 mm overall size; type D04	No	20.00		
B	2100 x 2700 mm overall size; type D05	No	7.00		
C	3500 x 2700 mm overall size; type D06	No	27.00		
4	WOOD WORK				
1	Prime quality hardwood Mkongo ,Paneled Doors, 50mm Thick paneled door; comprising of 100mm wide stiles and top rail; 150mm wide bottom rail ; 100mm intermediate rail; with 30mm thick solid panels, housed to stiles and rail.				
A	GENERAL JOINERY; SELECTED MKONGO OR OTHER APPROVED HARDWOOD Panelled doors; 40 x 150 mm rails and stiles; single panel infilled with and including 200 x 25 mm thick tongued, grooved and vee jointed one side; horizontal boardings 800 x 2700 mm overall size; type D01	No	14.00		
B	900 x 2700 mm overall size; type D02 - double swing door	No	2.00		
C	900 x 2700 mm overall size; type D03	NO	9.00		
D	500 x 2100 mm overall size; type D00 - 012	No	4.00		
E	1000 x 2700 mm overall size; type D01	NO	2.00		
F	900 x 2700 mm overall size; type D02	NO	1.00		
G	800 x 2400 mm overall size; type D03	NO	2.00		
H	800 x 1800 mm overall size; type D04	NO	14.00		
IV	Frames and finishing:				
A	50 x 150 mm Frames; one labour; plugging	M	268.00		
B	50 x 100 mm Transomes; two labours	M	24.00		
C	20 x 50 mm Architaves	M	536.00		
5	OTHER DOORS				
A	Muilt-lock door (Proper description with size to be given)	No	0.00		
6	IRON MONGERY				
	Supply and fix the following ironmongery; HAFELE/UNION or other equal and approved; to hardwood with matching screws.				
A	Supplying and fixing ironmongery; approved manufacturer; salt spray	Pair	72.00		

	tested;suitable for coastal and external applications; where specified on the drawings,ironmongery to be matt black stainless steel AISI 304 to hardwood, softwood or the like with matching screws 100 mm fire rated butt hinges				
B	Lockset/ mortise with face plate	NO	48.00		
C	Lock cylinder	NO	14.00		
D	Fire rated overhead hydraulic door closer with back check	NO	48.00		
E	Kick plates; 150 mm wide x 1.5 mm thick; 1000 mm wide	NO	96.00		
F	Push plate; 382 x 100 mm; 1.5 mm thick with "PUSH" symbol	NO	48.00		
G	Pull plate; 382 x 100 mm; 1.5 mm thick with "PULL" symbol	NO	48.00		
F	Pull handle; 900 mm long x 38 mm diameter	NO	14.00		
H	WC red/green indicating disc with escutcheons and dead lock with emergency opening function	NO	34.00		
I	signage; 70 mm diameter; satin finish	NO	14.00		
J	door stop	NO	48.00		
ELEMENT No.7	WINDOWS				
1	HEAVY DUTY ALUMINIUM ALLOY WINDOWS-DOUBLE GLAZING				
II	Supply and fix the following aluminium units ex-Italy or otherwise approved; complete with accessories for sliding/top hung to window, 8mm Thick toughned clear glass panel; Anodized aluminium framing (50x100mm Mullions and transomes) hammered finish;1.2-1.4mm thick; colour to be approved by the Architect; fixed to concrete/blockwork; all as per Architectural Drawings/Window Schedules:				
A	STANDARD UNITS Powder coated aluminium windows; 50 x 75 mm extruded frame; matching ironmongeryto windows and openings; neoprene gaskets for glazing; assembling; fixing togrounds; sealing all round with approved non-hardening mastic; infilled with and including 6 mm thick clear glass; removing protective tape; all in accordance with Architect's drawings and manufacturer's recommendations 3000 x 900 mm high; overall size; in panes; type W01	No	2.00		
B	4500 x 900 mm high; overall size; in panes; type W02	No	4.00		
C	1500 x 900 mm high; overall size; in panes; type W03	Nos	2.00		
D	1200 x 1428 mm high; overall size; in panes; type W04	Nos	1.00		
ELEMENT No.8	PLUMBING AND ENGINEERING INSTALLATIONS				
1	SANITARY APPLIANCES				

A	Supply and fix the following approved sanitary appliances including connections and all necessary accessories Brands ('KOHLER, RAK and SANITANA') All types of fitting materials shall be approved by the Engineer / Architect prior to installtion Hand wash basin with full pedestal,with single tap hole,white	Nr	4.00		
B	Countertop hand wash basin with semi pedestal,with single tap hole,white glazed vitreous china;fixing brackets with screws to backgrounds requiring plugging;bedding waste in white lead.bedding waste in white lead.	Nr	36.00		
C	kitchen sink with double bowl and single drainer (1500x500x217)mm stainless steel kitchen sink with chrome drain pipe,pop-up waste sink mounted monoblock chrome mixer,waste,chainstay,fixing brackets with screws to background requiring plugging.	Nr	14.00		
D	Supply and install fire glazed vitreous china water closet white colour western type; Complete with seat cover, ball valves flush pipe, S/p - trap, operating handle and all other accessories	Nr	4.00		
E	WC squatting Asian type toilet complete with flush tank (6 litres) with rigid flush arm complete with caps and all other necessary accessories that enable it to work.	Nr	20.00		
F	Supply and install long body toilet bib cock tap wall mounted for Wc and all other necessary accessories that . enable it to work	Nr	24.00		
G	Disabled WC suites one pieces, white glazed vitreous china;low level nine litre (L710xW385xH715)mm,white glazed vitreous china, cistern,cover and brackets; ball valves,flush pipe;plastic seat cover;operating handle and connecting to soil, hand wash basin with hand rail and vent pipe. Make: Twayford or equivalent.	Nr	4.00		
H	Supply and install shower head, white vitreous china to BS 3402 embedded to the floor with all accessories for fixing to position.	Nr	4.00		
I	Supply and install douche spray for the above WC	Nr	28.00		
J	Toilet roll holder; Cat, No T9003028	Nr	28.00		
K	500 X 600mm mirror to be fixed in WHB complete with associated accessories.	Nr	40.00		
L	Floor drain 150 X 150mm complete with heavy plastic duty cover	Nr	8.00		
M	Bowled urinal complete with all necessary accessories.	Nr	14.00		
N	Urinal press-release flush valves complete with chromium piping	Nr	13.00		

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	Green pipe pipes (PP-R, PN-20) (all diameter is internal) Supply, Install and join the PPR water supply pipe including pipe fittings, Labour chasing of walls and all builder works and accessories (elbows, Connectors, bends etc) as per drawings (i)50mm diameter	LM	137.00		
B	(ii) 40mm diameter	LM	14.00		
C	(iii) 32mm diameter	LM	110.00		
D	(iv) 25mm diameter	LM	86.00		
E	(v) 20mm diameter	LM	165.00		
F	Supply and install 12mm flexible pipe connectors to wash hand basins (HWB), WC'S, and Cistern	Nr	116.00		
G	Supply and fix 15mm dia. Angle valves with hand wheel,	Nr	108.00		
H	Supply and fix Stop valves with hand wheel, (i)50mm diameter	Nr	2.00		
I	(ii) 40mm diameter	Nr	6.00		
J	(iii) 32mm diameter	Nr	12.00		
K	(iv) 25mm diameter	Nr	12.00		
L	(v) 20mm diameter	Nr	12.00		
M	Foulwater piping Supply and install UPvC pipe Class C for foulwater including fittings and other accessories fixing to the Duct (i) Ditto 110mm dia	M	18.00		
N	(ii) Ditto 75mm dia	M	110.00		
O	(iii) Ditto 50mm dia	M	165.00		
P	(iv) Ditto 40mm dia	M	125.00		
ELEMENT No.9	ELECTRICAL INSTALLATIONS				
i	Supply and install the following:				
a	MAIN CIRCUITS INSTALLATIONS Supply from MDB to Distribution LV Panel Cables from MDB to SUB-PANEL A 4core x 70mm ² CU/ XLPE/SWA/PVC cable	m	15.00		
b	Cables from MDB to SUB-PANEL B 4core x 70mm ² CU/ XLPE/SWA/PVC cable	m	15.00		
c	Cables from MDB to SUB-PANEL C 4core x 95mm ² CU/ XLPE/SWA/PVC cable	m	15.00		
d	Cables from MDB to DBC1 4core x 35mm ² CU/ XLPE/SWA/PVC cable	m	15.00		
e	Cables from MDB to DBP-Water pump 4core x 25mm ² CU/ XLPE/SWA/PVC cable	m	30.00		
f	4core x 16mm ² CU/ XLPE/SWA/PVC cable	m	35.00		
g	4core x 10mm ² CU/ XLPE/SWA/PVC cable to cold rooms	m	40.00		

a)	DISTRIBUTION SYSTEM				
A	CLEAN POWER SUPPLY Uninterrupted power supply for clean power with; main control and indicator panels print-out facility ; 1 hour full load standby with 10kVA, 3 phases and 230/400V output	Nr	1.00		
B	Supply and fix the following Low Voltage Panel and accessories to surface and backgrounds requiring plugging; ABB, Hitachi, Schneider, Eaton or similar approved by Engineer with sheet steel case; fully shrouded; MCCB and 415V, surge arrestors 10 ways TPN Distribution panel; 160 Amps rating with outgoing device 3P MCCB standard IEC 439-1, BS 5486, type tested assembly c/w 30kA surge arrester for Sub-panel A, B and C	Nr	2.00		
C	12 ways TPN Distribution panel; 200 Amps rating with outgoing device 3P MCCB standard IEC 439-1, BS 5486, type tested assembly c/w 30kA surge arrester for Sub-panel A, B and C	Nr	1.00		
D	12 ways TPN Distribution panel; 125 Amps rating with outgoing device 3P MCCB standard IEC 439-1, BS 5486, type tested assembly c/w 30kA surge arrester for DBC1	NR	1.00		
E	6 ways TPN Distribution panel; 100 Amps rating with outgoing device 3P MCCB standard IEC 439-1, BS 5486, type tested assembly c/w 15kA surge arrester for water and fire pump	Nr	1.00		
F	12 ways SPN Distribution panel; 100 Amps rating with outgoing device 3P MCCB standard IEC 439-1, BS 5486, type tested assembly c/w 15kA surge arrester for Office 1	Nr	1.00		
G	12 ways SPN weather proof Distribution panel; 40 Amps rating with outgoing device 3P MCCB standard IEC 439-1, BS 5486, type tested assembly c/w 15kA surge arrester for OFFICE 2	Nr	1.00		
H	6 ways SPN weather proof Distribution panel; 40 Amps rating with outgoing device 3P MCCB standard IEC 439-1, BS 5486, type tested assembly c/w 15kA surge arrester for shop 1-51, food vendors 1-7	Nr	30.00		
I	4 ways SPN weather proof Distribution panel; 40 Amps rating with outgoing device 3P MCCB standard IEC 439-1, BS 5486, type tested assembly c/w 15kA surge arrester for Server room and electrical room (DB ER)	NR	2.00		
J	SUB MAIN LV INSTALLATIONS Cables From SUB-PANEL A to DB FOR SHOP 1-21 3core x 4mm ² CU/XLPE/SWA/PVC LSZH cable	M	1,000.00		

K	Cables From SUB-PANEL B to DB FOR SHOP 22-42 and electrical room 3core x 4mm ² CU/XLPE/SWA/PVC LSZH cable	M	1,100.00		
L	Cables From SUB-PANEL C to DB FOR SHOP 43-51,Food vendors 1-7 and server room ,cold room 1 and 2 and offices 1 and 2 3core x4mm ² CU/XLPE/SWA/PVC LSZH cable	M	1,000.00		
b)	POWER POINTS				
A	TRUNKING, CABLE LADDERS AND TRAYS Trunking and fitting; fixing with Screws MK & Salamandre type 170x50mm 3 compartment trunking complete with all necessary fitting eg. corners, covers etc MEM type	M	60.00		
B	Cable trays installation c/w all accessories as MK Matrix or equivalent approved by engineer 200X75mm in the ceiling void	M	70.00		
C	300X75mm in the ceiling void	M	70.00		
c)	LIGHT FITTINGS, FANS AND SWITCHES				
A	Supply to accessories and equipment ; 3 x 1.5mm ² core cable and upvc conduit ; bends etc,from the switches to the lights lighting circuits ; light points ; in 395Nr.	No	395.00		
B	lighting switch circuits ; one gang one way points; in 10Nr.	NR	10.00		
C	lighting switch circuits; one gang two way points; in 10Nr.	NR	10.00		
D	lighting switch circuits ; two gang one way points; in 60Nr.	Nr	60.00		
E	lighting switch circuits ; three gang one way points; in 5Nr.	Nr	5.00		
F	lighting switch circuits ; two gang two way points; in 10Nr.	Nr	10.00		
G	3 x 1c x 2.5mm ² core copper cable and upvc conduit ; bends etc, power outlet circuits ; socket outlet points in 401Nr	Nr	401.00		
H	Air conditioning circuits ; DP outlet points in 8Nr	Nr	8.00		
I	Extract fan circuits,cooker unit,hand drier ; DP outlet points in 68Nr	Nr	68.00		
J	3 x 1c x 4mm ² core copper cable and upvc conduit ; bends etc, Cooker control unit circuits ; CCU points in 20Nr	Nr	20.00		
K	ACCESSORIES Switches ; MK Logic Plus Catalogue, Legrand and ABB brand 10 amp : one gang ; one way Ref K4870 WHI	Nr	10.00		
L	10 amp : one gang ; two way Ref K4871 WHI	Nr	10.00		
M	10 amp : two gang ; one way Ref K4871 WHI	Nr	60.00		
N	10 amp : two gang ; two ways Ref K4871	Nr	10.00		

	WHI				
O	Switch sockets outlets; MK Logic plus, Legrand and ABB brand Twin 13A switch socket outlets ref.no. K2747 WHI	Nr	10.00		
P	Waterproof Twin 13A switch socket outlets ref.no. K2747 WHI	Nr	40.00		
Q	Single 13A switch socket outlets ref.no. WHI	Nr	55.00		
R	Twin 13A switch socket outlets ref.no. K2747 RED	Nr	6.00		
S	Twin 13A switch socket outlets K2743WHI WITH USB + Type C charging ports	Nr	190.00		
T	TV/SAT/FM co-axial single socket outlet; Ref.Nr K3561	Nr	8.00		
U	300X300 3 Compartment floor box	Nr	4.00		
V	Double pole switches ; MK Albany Plus Catalogue, Legrand and ABB brand 20 amp ; Ref K 5233 WH1 marked Hand Drier, Extract fan	Nr	60.00		
W	Double pole switches ; MK Albany Plus Catalogue Ref. Nr 20 amp ; Ref K 5233 WHI marked AC	Nr	8.00		
X	Double pole switches ; MK Albany Plus Catalogue Ref. Nr 20 amp ; Ref K 5105 WHI marked kitchen hood	Nr	1.00		
Y	Double pole cooker control unit 45 amp ; Ref K 5261 SAB ; switch socket outlet (1,1)	Nr	20.00		
Z	Contactors controls and time clocks Masterseal SP10 amp photo electric switch mk Ref 56748	Nr	10.00		
A1	3ph isolator 63A TPN isolator for cold room	Nr	2.00		
A2	EQUIPMENT Supply and fix the following lighting equipments and Luminaires ; complete with control gear,lamps tubes or bulbs and all accessories as Oppl lighting, Phillips lighting, Jaguar lighting or equal approved by Engineer Voyager Blade EXIT light, 5W Ultra slim, LED exit sign with 3 hour, maintained. Thorn	Nr	8.00		
A3	JUNISTAR LUX WHITE 580LM 2700K Ra>98 DALI-2 8W IP 44 AS IN SG lighting- Type P for Toilet area	Nr	60.00		
A4	LED bulkhead-E 20W-3000-FR-GP ,50Hz, AS IN Oppl Lighting For wall light	Nr	13.00		
A5	"LED EcoMax2 Ceiling Module 18W asLighting. Type A "	Nr	20.00		
A6	LEDHighbay-E II 50W-5700-60D-GY-GP IP 65 item code 545001042200 AS in oppl lighting	Nr	36.00		
A7	LED Floodlight-E IV 30W-3000-GY-GP, as in oppl lighting	Nr	30.00		
A8	LEDWaterproof-P3 L1310-38W-6500 IP65	Nr	56.00		

	AS in opple lighting				
A9	SUB-METER Payless DS3000 1phase STS Prepayment meter	Nr	58.00		
A10	EARTHING Earth protection system: Provide all necessary earthing high voltage conductivity electrodes with drive head assemblies and earthing clamps with link to earth rods/earth pit and 1cx35mm ² Copper cable PVC Yellow/Green; cables run in parallel for the DB and all other distribution board for the entire electrical installation system	Item	1.00		
A11	LIGHTNING PROTECTION 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	400.00		
A12	1000mm height Air terminal - single head	Nr	6.00		
A13	CO-ORDINATION Allow sum for payment to TANESCO for the application, supply and installation of HV electrical metering unit, extension of HV line, testing and commissioning	Item	1.00		
A14	ICT INSTALLATION 25mm diameterUpvc heavy gauge conduit , bends,draw wire etc, circuits to twin RJ45 for data and telephone installation in 6Nr points	Nr	8.00		
A15	Circuits to data/ Telephone accessories and equipment (structured cabling) c/w Category 6A UTP cables circuits to RJ45 for Telephone installation in 4Nr points	Nr	4.00		
A16	circuits to RJ45 for data installation in 8Nr points	Nr	8.00		
A17	EQUIPMENT Supply and fix the following data& telecommunication switches, cabinet, patch panel and voice panel etc, All equipments must get approved by engineer before and procurement and installations at site 24 Port Cisco switch c/w 3 Year Term license.	Nr	1.00		
A18	Patch panel Patch Panel 24 port CAT 6A	Nr	1.00		
A19	24 Port voice Patch Panel CAT 6A	Nr	1.00		
A20	Panasonic IP telephone operator console	Nr	1.00		
A21	Panasonic IP telephone handset	Nr	3.00		
A22	ACCESSORIES Switches ; Jaquar, MK Catalogue Face plates Double switch shuttered RJ45 outlet Ref: SCO-GRY-PCMCC01 CAT 6A (Complete with Module)	Nr	8.00		
A23	1m Patch cords CAT6A (RJ45-RJ45) for telephone	Nr	4.00		
A24	1m Patch cords CAT6A (RJ45-RJ45) for data	Nr	8.00		

A25	3M UTP CAT6A Drop Cable (RJ45-RJ45) for telephone	Nr	4.00		
A26	3M UTP CAT6A Drop Cable (RJ45-RJ45) for data	Nr	8.00		
A27	42U 19' Floor standing Data cabinet with cooling fans to host switches and patch panel c/w Power distribution unit,cable tidy,lockable glass door and all necessary accessories for main firewall, switch and server	Nr	1.00		
A28	Ubiquiti IP Wireless access point	Nr	5.00		
A29	Sofos Router and firewall c/w 1 yr license	Nr	1.00		
A30	Provide sum for application and connecting cable to link to the building and ISP (Internet Service Provider)	Item	1.00		
A31	CCTV SYSTEM INSTALLATION Supply, install and set to work the following equipment and accessories Upvc conduit , PoE(Power over ethernet) cables, bends, junction boxes,end caps etc, Circuits from NVR to cameras for CCTV installation in 45Nr points	Nr	45.00		
A32	EQUIPMENT Supply and fix the following cctv, monitor, NVR etc complete with all accessories batteries, power supply to enable it to work. HIK Vision, Honeywell, Axis or equal approved by Engineer 8 MP Smart Hybrid, Day & Night, 360deg indoor Dome Network Camera	Nr	12.00		
A33	8 MP Smart Hybrid, Day & Night, IP66 IK10 outdoor Dome Network Camera	Nr	2.00		
A34	8 MP Smart Hybrid, Day & Night, outdoor Bullet Network Camera	Nr	20.00		
A35	PTZ Camera HDZP304DI Zoom WDR PTZ IP Camera 30X optical zoom with 360° continuous rotation, True WDR 120 dB for clear, glare-free images	Nr	10.00		
A36	Network video recorder IP video input: 32-ch, 2U, 8k Two-way audio input: 1-ch, RCA audio output: 2-ch, upto 12 Megapixels resolution recording, Support 2 HDMI output, 2 VGA, upto 320Mbps incoming and 400Mbps outgoing bandwidth, c/w software and licence	Nr	2.00		
A37	STORAGE 24-slot storage with 24 pcs 10TB SATA I0T HDD, HIK DS-A81024S/240	Nr	1.00		
A38	55" 4K LED monitor display wall mount including its mounting Accessories	Nr	2.00		
A39	Connection of data network from existing switch to NVR	Item	1.00		
A40	Network keyboard with joystick DS-1600KI	Nr	1.00		
A41	ACCESS CONTROL INSTALLATION Supply,install and set to work the following	Nr	6.00		

	equipment complete with their accessories PVC Conduits, bends, junctions boxes and other accessories including cabling Circuits from Access Control Panel to Access control terminal/ proximity reader installation in 6Nr points/doors				
A42	EQUIPMENT Supply and fix the following Access control Equipments ZKTeco or Honeywell or HIK or Equivalent Approved In-Bio 160 Biometric Network/Centralized Access Controller, TCP/IP/RS485 Communications mode, 4 Wiegand Output, the system supports upto 3,000 face templates, 20,000 finger prints, max of 100,000 card users and 1000,000 dynamic QR code capacity authentication and Its Management Softwares, complete with necessary items like power supply, maglock as necessary as the system to work as desired	Nr	1.00		
A43	Multi-Biometric reader with RF card key, pin code, and mechanical function with capacity of fingerprint up to 101 groups (1 master fingerprint & 100 users fingerprint, card key up to 11 groups, 6-12 digits (000000-000000000000) (1 master code & 1 user code) battery capacity 4x1.5V either as standalone or with access control panels as ZK Teco	Nr	6.00		
A44	RFID Wiegand/Proximity Reader, Model KR300, water proof, 125Khz Proximity/13.56Mhz Mifare Card Reader, 26bit/64bit wegand Out, Extended LED/Buzzer Control	Nr	1.00		
A45	Door Electro-magnetic Locks with holding force 280kg weight, Including its Mounting Z/L Brackets, power supply and all necessary required accessories	Nr	3.00		
A46	RFID/ Mifare Proximity cards	Nr	12.00		
A47	RFID/Mifare card encoder for system programming and user Enrollment	Nr	1.00		
A48	Smart Release button/Exit button	Nr	2.00		
A49	FIRE EVACUATION SYSTEM INSTALLATION Supply to accessories and equipment ; 2C x 2.5mmsq shielded twisted pairs fire retardant halogen free low smoke opacity and low gas corrosion speaker cable and Upvc conduits; bends etc from control panel to speakers, concealed under plaster/in ceiling void Circuit to ceiling and wall speaker points	Nr	28.00		
A49	Fire alarm Evacuation system equipment and accessories - Ateis, JBL, Bosch, shure or similar approved by Engineer Microphone touch screen paging console	Nr	2.00		
A50	Paging console IDA8C PA/VA control unit, zone selector en 54-16	Nr	1.00		

A51	Inter M quad series amplifier as ATEIS - QD-4960	Nr	1.00		
A52	HPA 120W slave amplifier as ATEIS SYS-120	Nr	1.00		
A53	UHF wireless hand held system as Shure - PGX24/SM58-L5	Nr	1.00		
A54	Sound craft EPM 6 channel mixer as ATEIS -RW-5734	Nr	1.00		
A55	Tascam CD/SD/USB Player with Bluetooth w/ipod dock-Tas CD-400U	Nr	1.00		
A56	RACK EQUIPMENTS 32U 600*800 W&M Rack as ATEIS PAPST	Nr	1.00		
A57	5 Way W&M power rail	Nr	1.00		
A58	Ceiling speaker control as JBL Control-26CT-LS Life safety application	Nr	14.00		
A59	15w paging horn speaker with ceramic fuse as CSS-H15	Nr	4.00		
A60	Wall mounted speaker as Penton -PBC-6/TC	Nr	10.00		
A61	FIRE ALARM SYSTEMS Supply and install to fire detection accessories equipment as Ziton, Honeywell, Hochiki, Aritech or approved equal; heavyduty upvc conduit, firetuf cable; bends etc. 3 x 2.5mm ² "Firetuf " fire rated cable or similar approved cable for circuits to fire alarm detectors ; in 97Nr	Nr	97.00		
A62	circuits to call points ; in 10Nr. Points	Nr	10.00		
A63	circuits to Sounder Alarm; in 10Nr. Points	Nr	10.00		
A64	Fire alarm accessories as Aritech catalogue or equal approved by Engineer Smoke detectors; DP2061T 2000 Series Optical/Heat Multi-sensor; c/w standard mounting base	Nr	54.00		
A65	Heat detectors; DP2061T 2000 Series Optical/Heat Multi-sensor; c/w standard mounting base	Nr	12.00		
A66	Fireray BEAM SMOKE DETECTOR c/w a transmitter-receiver unit and a reflector	Nr	4.00		
A67	Sounder; 2000 Series Loop Sounder/Beacon, Wall Mount, IP65;c/w standard mounting base	Nr	10.00		
A68	Break glass; DM2010 2000 Series Addressable Manual Call Pointc/w standard mounting base	Nr	20.00		
A69	Aritech Addressable 2 Loop Fire Panel Small Cabinet (2X-F1-S-99) Addressable FirePanel internal printers, active repeater and passive repeater, battery back-up, link to main reception.	Nr	1.00		
A70	Aritech Addressable 8 Loop Fire Repeater Panel	Nr	4.00		

A71	Fire Testing Kit	Nr	1.00		
A72	MAIN CIRCUITS INSTALLATIONS Cables from MDB to DBoFFICE 3core x 10mm ² CU/ XLPE/SWA/PVC cable	m	80.00		
A73	Supply and fix the following Low Voltage Panel and accessories to surface andbackgrounds requiring plugging; ABB,Hitachi, Schneider, Eaton or similar approved by Engineer with sheet steel case; fully shrouded;RCCB and 415V,surge arrestors 12 ways SPN weather proof Distribution panel; 63Amps rating with outgoingdevice 3P MCCB standard IEC 439-1, BS 5486, type tested assembly c/w 15kA surgearrestor for OFFICE 2	Nr	1.00		
A74	TRUNKING, CABLE LADDERS AND TRAYS Trunking and fitting; fixing with Screws MK & Salamandre type 170x50mm 3 compartment trunking complete with all necessary fitting eg. corners, covers etc MEM type	m	12.00		
A75	Supply to accessories and equipment ; 3 x 1.5mm ² core cable and upvc conduit ; bends etc,from the switches to the lights lighting circuits ; light points ; in 47Nr.	Nr	47.00		
A76	3 x 1c x 2.5mm ² core copper cable and upvc conduit ; bends etc, power outlet circuits ; socket outlet points in 8Nr	Nr	8.00		
A77	Air conditioning circuits ; DP outlet points in 1Nr	Nr	1.00		
A78	Extract fan circuits,cooker unit,hand drier ; DP outlet points in 2Nr	Nr	2.00		
A79	ACCESSORIES Switches ; MK Logic Plus Catalogue, Legrand and ABB brand 10 amp : one gang ; one way Ref K4870 WHI	Nr	1.00		
A80	10 amp : two gang ; one way Ref K4871 WHI	Nr	2.00		
A81	Switch sockets outlets; MK Logic plus, Legrand and ABB brand Weatherproof Twin 13A switch socket outlets ref.no. K2747 WHI	Nr	4.00		
A82	Twin 13A switch socket outlets K2743WHI WITH USB + Type C charging ports	Nr	4.00		
A83	TV/SAT/FM co-axial single socket outlet; Ref.Nr K3561	Nr	1.00		
A85	Double pole switches ; MK Albany Plus Catalogue, Legrand and ABB brand 20 amp ; Ref K 5233 WH1 marked Hand Drier, Extract fan	Nr	2.00		
A86	Double pole switches ; MK Albany Plus Catalogue Ref. Nr 20 amp ; Ref K 5233 WHI marked AC	Nr	1.00		
A87	Contactors controls and time clocks Masterseal SP10 amp photo electric switch mk Ref 56748	Nr	1.00		

A88	EQUIPMENT Supply and fix the following lighting equipments and Luminaires ; complete with control gear,lamps tubes or bulbs and all accessories as Oppl lighting, Phillips lighting, Jaguar lighting or equal approved by Engineer Voyager Blade EXIT light, 5W Ultra slim, LED exit sign with 3 hour, maintained. Thorn	Nr	3.00		
A89	JUNISTAR LUX WHITE 580LM 2700K Ra>98 DALI-2 8W IP 44 AS IN SG lighting- Type P for Toilet area	Nr	32.00		
A90	LEDWaterproof-P3 L1310-38W-6500 IP65 AS in oppl lighting	Nr	12.00		
A91	EARTHING Earth protection system: Provide all necessary earthing high voltage conductivity electrodes with drive head assemblies and earthing clamps with link to earth rods/earth pit and 1cx6mm ² Copper cable PVC Yellow/Green; cables run in parallel for the DB and all other distribution board for the entire electrical installation system	Item	1.00		
A92	LIGHTNING PROTECTION Provide all necessary earth electrodes copper earthing tape, straps, earth plates,lightning terminals, test clamps and forked conductor rod and link to the main earthing 3mm x 25mm copper strip through the columns	m	40.00		
A93	1000mm height Air terminal - single head	Nr	1.00		
A94	ICT INSTALLATION 25mm diameterUpvc heavy gauge conduit , bends,draw wire etc, circuits to twin RJ45 for data and telephone installation in 6Nr points	Nr	2.00		
A95	Circuits to data/ Telephone accessories and equipment (structured cabling) c/w Category 6A UTP cables circuits to RJ45 for Telephone installation in 4Nr points	Nr	1.00		
A96	circuits to RJ45 for data installation in 8Nr points	Nr	2.00		
A97	EQUIPMENT Supply and fix the following data& telecommunication switches, cabinet, patch panel and voice panel etc, All equipments must get approved by engineer before and procurement and installations at site 8port switch	Nr	1.00		
A98	Panasonic IP telephone operator console	Nr	1.00		
A99	ACCESSORIES Switches ; Jaquar, MK Catalogue Face plates Double switch shuttered RJ45 outlet Ref: SCO-GRY-PCMCC01 CAT 6A (Complete with Module)	Nr	2.00		
A100	1m Patch cords CAT6A (RJ45-RJ45) for telephone	Nr	1.00		
B1	1m Patch cords CAT6A (RJ45-RJ45) for data	Nr	2.00		

B2	3M UTP CAT6A Drop Cable (RJ45-RJ45) for telephone	Nr	1.00		
B3	3M UTP CAT6A Drop Cable (RJ45-RJ45) for data	Nr	2.00		
B4	12U 19' Floor standing Data cabinet with cooling fans to host switches and patch panel c/w Power distribution unit,cable tidy,lockable glass door and all necessary accessories for main firewall, switch and server	Nr	1.00		
B5	Ubiquiti IP Wireless access point	Nr	1.00		
B6	TESTING AND COMMISSIONING Provision sum for the testing and commissioning of the foregoing installation in accordance with the rules and regulations	Item	1.00		
B7	CCTV SYSTEM INSTALLATION Supply, install and set to work the following equipment and accessories Upvc conduit , PoE(Power over ethernet) cables, bends, junction boxes,end caps etc, Circuits from NVR to cameras for CCTV installation in 14Nr points	Nr	14.00		
B8	EQUIPMENT Supply and fix the following cctv, monitor, NVR etc complete with all accessories batteries, power supply to enable it to work. HIK Vision, Honeywell, Axis or equal approved by Engineer 8 MP Smart Hybrid, Day & Night, outdoor Bullet Network Camera	Nr	14.00		
B9	Network video recorder IP video input: 24-ch, 2U, 8k Two-way audio input: 1-ch, RCA audio output: 2-ch, upto 12 Megapixels resolution recording, Support 2 HDMI output, 2 VGA, upto 320Mbps incoming and 400Mbps outgoing bandwidth, c/w software and licence	Nr	1.00		
B10	Connection of fiber data network from dock-toilet building to Main market NVR	Item	1.00		
B11	TESTING AND COMMISSIONING Provision sum for the testing and commissioning of the foregoing installation in accordance with the rules and regulations	Item	1.00		
B12	FIRE ALARM SYSTEMS Supply and install to fire detection accessories equipment as Ziton, Honeywell, Hochiki, Aritech or approved equal; heavyduty upvc conduit,firetuf cable; bends etc. 3 x 2.5mm2 "Firetuf " fire rated cable or similar approved cable for circuits to fire alarm detectors ; in 4Nr	Nr	4.00		
B13	circuits to call points ; in 3Nr. Points	Nr	3.00		
B14	circuits to Sounder Alarm; in 1Nr. Points	Nr	1.00		
B15	Fire alarm accessories as Aritech catalogue or equal approved by Engineer Smoke detectors; DP2061T 2000 Series Optical/Heat Multi-sensor; c/w standard	Nr	3.00		

	mounting base				
B16	Sounder; 2000 Series Loop Sounder/Beacon, Wall Mount, IP65;c/w standard mounting base	Nr	1.00		
B17	Break glass; DM2010 2000 Series Addressable Manual Call Pointc/w standard mounting base	Nr	3.00		
B18	Aritech Addressable 2 Loop Fire Panel Small Cabinet (2X-F1-S-99) Addressable FirePanel internal printers, active repeater and passive repeater, battery back-up, link to main reception.	Nr	1.00		
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	PORTABLE FIRE EXTINGUISHERS Supply and install 5kg carbon dioxide portable fire extinguishers	Nr	7.00		
B	Supply and install 9kg dry powder portable fire extinguishers	NR	7.00		
C	Supply and installation of hose reel, swing type, with 20mm diameter hosepipe of 30m long.	NR	4.00		
D	Supply and install galvanized iron pipes and joints to BS 1387,medium grade, including fixing brackets and supports. 25mm diameter pipe	M	8.00		
E	25mm diameter elbow	NR	8.00		
F	25mm diameter stop valve	NR	4.00		
G	40mm diameter pipe	M	260.00		
H	40mm diameter elbow	NR	4.00		
I	40mm diameter Tee-joint	NR	2.00		
J	40mm diameter stop valve	NR	2.00		
K	40mm diameter check valve	NR	2.00		
L	40/25mm diameter bush	NR	4.00		
b)	PIPES PN 16				
A	150mm diameter	M	1.00		
ELEMENT No. 14	FINISHING				
a)	INTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings)				
a)	Porcelain Tiles				
A	ELEMENT No. 09 - MARKET STALLS (239No.) THE FOLLOWING MARKET STALL IN 1 No. INSITU CONCRETE; PLAIN Normal; class 13.5/25; vibrated; Plinths; 100 mm thick 100 mm Thick plinths	M2	478.00		
B	INSITU CONCRETE; REINFORCED	M2	478.00		

	Normal; class 20/19; vibrated Suspended floors or the like; horizontal; 70 mm thick				
C	Wall 150mm thick	M2	717.00		
D	REINFORCEMENT Fabric reinforcement B.S.4466; Reference A 252; mesh 200 x 200 mm; weight 3.95 kg per square metre; 200 mm end laps; 200 mm side laps	M2	1,195.00		
E	FORMWORK TO INSITU CONCRETE Formworks; generally Soffits; horizontal; floors or the like	M2	478.00		
F	Vertical or battering sides of walls or the like; 75 to 150 mm wide	M	1,195.00		
G	INSITU FINISHINGS Mortar; cement and sand (1:4); steel trowelled; internal; 15 mm one coat work; to concrete or blockwork base; generally to Worktops or the like	M2	1,195.00		
H	Edges of vanity tops, worktops or the like; 85 mm wide	M	2,390.00		
I	Render; 12 mm first coat of cement and sand (1:5); 3 mm second coat; of cement lime putty (1:5); steel trowelled; internal; generally to Walls; over 300 mm wide	M2	1,195.00		
J	PREPARE SURFACE AND APPLY THREE COATS OF WEATHER GUARD PAINT Steel trowelled rendered surfaces; internal Walls; over 300 mm wide	M2	1,195.00		
b)	Beds and Backing				
A	BEDS OR BACKINGS Mortar; cement and sand (1:4) 40 mm one coat beds; screeded; to receive porcelain tiles; to concrete base; generally to floors	M2	170.00		
B	12 mm one coat backings; screeded; to receive wall tiles; to concrete or block work base; generally to walls	M2	384.00		
ii)	Wall finish:				
a)	Internal Plastering				
A	WALL PLASTER SKIM COAT; ONE COAT ALKALI PRIMER; TWO COATS WEATHERGUARD PAINT Wood floated rendered surfaces; external Walls over 300 mm wide	M2	475.00		
b)	Wall Tiles or Tanga Stones/Slates				
A	THRE COATS BLACK BITUMINOUS PAINT Steel trowelled rendered surfaces; external over 300 mm wide	M2	285.00		
b)	EXTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings).				
A	INSITU FINISHINGS Render; 12 mm first coat of cement and sand (1:5); wood floated; external 12 mm One coat work; to concrete or blockwork base; generally to walls	M2	475.00		

B	12 mm one coat work; to concrete or blockwork base; generally to plinths	M2	285.00		
C	Render; 12 mm first coat of cement and sand (1:5); wood floated; internal; generally to 12 mm One coat work; to concrete or blockwork base; generally to walls	M2	2,305.00		
D	ceilings; horizontal; over 300 mm wide	M2	301.00		
E	sides and soffits of beams	M2	738.00		
F	Vertical or battering sides of columns or the like	M2	1,992.00		
G	Terrazzo tiles floor to be installed with ANSI -Compliant latex-portland cement mortar and grouted with epoxy or cement grout; including carborandum dividing strips; polished; internal 50 mm two coats work; to concrete or blockwork base; generally to floors, to falls crossfalls or sloping not exceeding 15 degrees from horizontal	M2	5,415.00		
H	Skirtings; 150 mm high	M	1,480.00		
I	Treads; 300 mm wide; one rounded nosing	M	74.00		
J	Risers; 150 mm high; one coved junction with pavings	M	37.00		
K	TILE, SLAB OR BLOCK FINISHING Porcelain tiles; "Azulev" Spanish tiles or equal approved; unglazed; to approved pattern; bedding and jointing in cement mortar (1:4) grouting with Sellajunt coloured grout; internal 300 x 300 x 15 mm; butt joints at 45 degrees both ways to cement and sand base; generally to floors	M2	170.00		
L	Ceramic tiles; glazed; two colour-ways; regular pattern bedding and jointing in cement mortar(1:4); grouting joints with white cement; internal 300 x 450 x 6 mm; butt joints straight both ways to cement and sand base; generally to walls	M2	384.00		
ii)	Wall finish				
a)	External Plastering				
ELEMENT No. 15	PAINTING AND DECORATING				
a)	INTERNAL WORK:				
i)	Painting and Decorations				
A	THREE COATS CLEAR POLYURETHANE VARNISH Wood surfaces; internal General surfaces over 300 mm wide	M2	191.00		
B	Frames or the like 200 to 300 mm girth	M	268.00		
b)	EXTERNAL WORK:				
i)	External Painting				
A	Prepare and apply one undercoat and two full coats of weather guard paint on: walls	M2	268.00		

	and cills.				
PART B2: Deep Sea Fish Market- Public Toilet					
BILL No 3	MEASURED WORKS				
ELEMENT No.1	SUBSTRUCTURE (ALL PROVISIONAL)				
1	Excavation and Earthworks;				
A	Demolishing; making good all work disturbed Existing roof; comprising of roofing tiles and purlins; Pulling down to floor level; existing wall or partitions; making good work disturbed	Item	1.00		
B	Blockwork walls; 230 mm thick or 150mm thick	Item	1.00		
C	Electrical installation; shutting off from mains supply; remove switches, fittings and equipment;	Item	1.00		
D	Plumbing installations; shutting off from mains supply; remove pipes, fittings and equipment;	Item	1.00		
E	Clearing the site; frubbong up rootsbushes, shrub, undergrowth or the like; small trees not exceeding 600 mm girth	M2	54.00		
i	Surfaces to reduce levels average 300 mm deep; to remove vegetable soil	m2	54.00		
ii	Trenches Excavation,	m3	226.00		
iii	Pits; to receive column foundations; starting from stripped level; not exceeding 1.50 m deep	m3	49.00		
iv	1.50 m to 3.0 m deep	m3	18.00		
v	Extra over all kind of excavations irrespective of depth for breaking up rock	m3	3.00		
a	Earth backfilling well rammed and consolidated around foundations	m3	267.00		
b	Filling to make up levels under floors; over 300 mm thick; depositing and compacting in layers maximum 150 mm thick; levelling	m3	13.00		
c	Load surplus excavated material and remove from site	m3	44.00		
d	Allow for the provision and subsequent removal of planking and strutting to uphold and maintain all faces of excavations.	Item	1.00		
2	Disposal of water:				
A	Keeping excavations free from general water	Item	1.00		
4	Hardcore				
A	Beds; 200 mm thick; depositing and compacting; levelling; sand blinding	M2	43.00		
B	At the Rate of 7 litres per square metre; to hardcore beds and tops of foundation walls	m2	43.00		
C	At the Rate of 80 litres per cubic metre; to	m3	7.00		

	backfilling				
D	230 mm Thick walls	m2	75.00		
7	CONCRETE WORK:				
	Plain insitu concrete grade '15'				
A	Blinding; 50 mm thick	M2	193.00		
	Reinforced insitu concrete grade '25'; vibrated; including vibrating around reinforcements:				
A	Foundations in trenches; irrespective of thickness	m3	9.00		
B	Foundations to isolated stanchions or the like; irrespective of thickness	m3	11.00		
C	Ground beams; irrespective of thickness	m3	7.00		
D	Beds; 150 mm thick	m2	42.00		
E	Columns; vertical or sloping exceeding 15 degrees from horizontal; irrespective of sectional area	m3	2.00		
F	Steps, staircases or strings; generally	m3	1.00		
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	08mm Diameter	Kg	200.00		
B	10mm Diameter	Kg	400.00		
C	12mm Diameter	Kg	1,065.00		
D	16mm Diameter	Kg	1,164.00		
E	20mm Diameter	Kg	499.00		
II	Fabric Wiremesh				
A	Reference A 252; mesh 200 x 200 mm; weight 3.95 kg per square metre; in any location	m2	42.00		
9	Formwork:				
	Vertical or battering surfaces				
A	Vertical or battering sides of foundations or the like	M2	161.00		
B	Vertical or battering sides of columns or the like	M2	48.00		
C	To vertical sides of retaining wall	M2	189.00		
D	"Edges of beds or the like; 75 to 150 mm wide 75 to 150 mm wide; "	M	45.00		
E	Sides or risers of steps or staircases; 75 to 150 mm wide	m	5.00		
F	Horizontal; over 300 mm wide DPM	m2	42.00		
10	WALLING				
	Solid concrete blocks to BS 6073 Type 'A' dense aggregate, average compressive strength 7N/sq mm; in cement mortar				
A	100 x 300 mm	M	12.00		
B	Copings 100 x 380 mm extreme thickness; twice weathered; twice 15 mm	m	8.00		

	thickthroated; reinforced as necessary for handling; bedding, jointing and pointing in cement (1:4) mortar: to architectural details				
C	150 mm Thick walls	m2	135.00		
12	DAMP PROOFING				
A	Horizontal; 230 mm wide	M	68.00		
B	Balustrades; comprising 50 mm diameter hollow section handrails; 7 No. horizontal adjustable cables fixed to balusters; 100 mm diameter balusters fixed at 3000 mm average centres, with 6 mm thick base plates fixed with bolts to concrete surfaces; fixing in position to including all mortices and fixings; 900 mm high, horizontal	m	3.00		
C	Concrete blocks; B.S 6073; type A; 4.0 N per square millimetre; solid; incement mortar (1:4); including 8 mm diameter 400 mm long wall ties at every second course to join concrete and block works 150 mm Thick walls	m2	53.00		
D	230 mm wide DPC	m	27.00		
E	Perforated Concrete blocks; solid; incement mortar (1:4); including 8 mm diameter 400 mm long wall ties at every second course to join concrete and block works 150 mm Thick walls	m2	18.00		
12	Prepare and apply three coats of black bituminous paint on:				
A	Allow for checking installations are set truly square before making good or plastering and for cutting any necessary chases or holes in concrete or blockwork and finishing for conduits and fittings connection with the following electrical installations	Item	1.00		
B	Allow for checking installations are set truly square before making good or plastering and for cutting any necessary chases or holes in concrete or blockwork and finishing for conduits and fittings connection with the following mechanical and plumbing installations	Item	1.00		
ELEMENT No.2	FRAMES				
	CONCRETE WORKS:				
A	150 mm Thick suspended floors or the like	M2	94.00		
II	Reinforced insitu concrete grade '25' including vibrating around reinforcements.				
A	Beams; horizontal or sloping not exceeding 15 degrees from horizontal irrespective of sectional area	M3	17.00		
B	Columns; vertical or sloping exceeding 15 degrees from horizontal irrespective of sectional area	M3	1.00		
C	Ramps; 150 mm thick	M2	1.00		
D	Steps, staircases or strings; generally	M3	2.00		

E	Landings; horizontal; 150 mm thick	m2	1.00		
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	8mm Diameter	Kg	133.00		
B	10mm Diameter	Kg	266.00		
C	12 mm Diameter	Kg	708.00		
D	16mm Diameter	Kg	775.00		
E	20mm Diameter	Kg	332.00		
3	Formworks				
	Wrought formwork to:				
A	Soffits of suspended floors or the like	M2	95.00		
B	Sloping soffits of suspended floors or the like	M2	1.00		
C	Vertical or battering sides of walls or the like	M2	2.00		
D	Vertical or battering sides of columns or the like	M2	95.00		
E	Sides of lift and shear walls	M2	137.00		
F	Edges of suspended floors or the like 75 to 150 mm wide	M	37.00		
G	Sides or risers of steps or staircases 75 to 150 mm wide	M	9.00		
H	Sides or risers of steps or staircases 150 to 225 mm wide	m	1.00		
I	Reference A 252; mesh 200 x 200 mm; weight 3.95 kg per square metre; in any location	m2	94.00		
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	Coverings; fixing to steel purlins at 1500 mm general spacing withgalvanised steel hook bolts, nuts, neoprene washers and caps; one on a half trough side laps; 150 mm end laps sloping not exceeding 45 degees from horizontal sloping not exceeding 45 degrees from horizontal	M2	52.00		
B	Cappings to ridges; 380 mm girth; fixing with galvanized steel bolts, nuts, neoprene washer and caps	m	7.00		
2	ROOF STRUCTURE				
	The following are in timber trusses Softwood pressure impregnated with preservative				
A	50 X 150 C20 Steel Truss	M	10.00		
B	50 X 75 C20 Steel Truss	M	8.00		

C	Bolts Mild steel bolts , washer, nuts,including drilling holes 12mm Diameter steel bar;	No	752.00		
D	M.S Steel Anchor bolt 20mm, 250mm long bolt	Nr	94.00		
E	FASCIAL BOARD 25 x 250mm thick hardwood fascial board primed; 2 coats gloss painted	m	31.00		
F	Prepare one coat zinc rich primer followed by two coats matt enamelgloss paint to manufacturers instructions to metal work surfaces surfaces over 100 but not exceeding 200 mm girth	m	18.00		
6a	2400 x 2700 mm high; overall size; in panes; type W01 WINDOW	No	4.00		
6b	1500 x 1500 mm high; overall size; in panes; type W02 WINDOW	No	1.00		
6c	600 x 2700 mm high; overall size; in panes; type W04 WINDOW	No	1.00		
ELEMENT No.6	DOORS:				
4	WOOD WORK				
1	Prime quality hardwood Mkongo ,Paneled Doors, 50mm Thick paneled door; comprising of 100mm wide stiles and top rail; 150mm wide bottom rail ; 100mm intermediate rail; with 30mm thick solid panels, housed to stiles and rail.				
A	900 x 3000 mm overall size; type D01	No	3.00		
B	800 x 3000 mm overall size; type D02	No	4.00		
C	1000 x 3000 mm overall size; type D03	No	1.00		
IV	Frames and finishing:				
A	50 x 150 mm Frames; one labour; plugging	M	52.00		
B	45 x 100mm Transome with two labour.	M	7.00		
C	20 x 50 mm Architaves	m	103.00		
6	IRON MONGERY				
	Supply and fix the following ironmongery; HAFELE/UNION or other equal and approved; to hardwood with matching screws.				
A	100 mm fire rated butt hinges	Prs	12.00		
B	Lockset/ mortise with face plate	No	8.00		
C	Lock cylinder	No	3.00		
D	Fire rated overhead hydraulic door closer with back check	No	8.00		
E	Kick plates; 150 mm wide x 1.5 mm thick; 1000 mm wide	No	15.00		
F	Push plate; 382 x 100 mm; 1.5 mm thick with "PUSH" symbol	No	8.00		
G	Pull plate; 382 x 100 mm; 1.5 mm thick with "PULL" symbol	No	8.00		
H	Pull handle; 900 mm long x 38 mm diameter	No	3.00		
I	WC red/green indicating disc with	No	5.00		

	escutcheons and dead lock with emergency opening function				
J	signage; 70 mm diameter; satin finish	No	3.00		
K	door stop	No	8.00		
ELEMENT No. 14	FINISHING				
a)	INTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings)				
a)	Porcelain Tiles				
A	12 mm One coat work; to concrete or blockwork base; generally to walls	M2	135.00		
B	ceilings; horizontal; over 300 mm wide	M2	94.00		
C	sides and soffits of beams	m2	137.00		
D	Vertical or battering sides of columns or the like	M2	95.00		
i	50 mm two coats work; to concrete or blockwork base; generally to floors, to falls crossfalls or sloping not exceeding 15 degrees from horizontal	m2	43.00		
ii	Skirtings; 150 mm high	m	21.00		
iii	Treads; 300 mm wide; one rounded nosing	m	4.00		
iv	Risers; 150 mm high; one coved junction with pavings	m	1.00		
v	600 x 600 x 15 mm; butt joints at 45 degrees both ways to cement and sand base; generally to floors	m2	46.00		
vi	Ceramic tiles; glazed; two colour-ways; regular pattern bedding and jointing in cement mortar(1:4); grouting joints with white cement; internal 600 x 200 x 8mm; butt joints straight both ways to cement and sand base; generally to walls	m2	144.00		
a	Mortar; cement and sand (1:4) 40 mm one coat beds; screeded; to receive porcelain tiles; to concrete base; generally to floors	m2	46.00		
b	Mortar; cement and sand (1:4) 12 mm one coat backings; screeded; to receive wall tiles; to concrete or block work base; generally to walls	m2	144.00		
2.i	Gypsum plasterboards; taping, filling and skimming joints with filler;galvanized drive screws; head holes filled and sanded taped andscrimmed board joints; all to receive direct decoration; internal 9 mm Thick; to timber base generally to ceilings	m2	44.00		
2.ii	Gypsum plasterboards; taping, filling and skimming joints with filler;galvanized drive screws; head holes filled and sanded taped andscrimmed board joints; all to receive direct decoration; internal Extra; form cornice; 10 x 10 mm recessed	m	19.00		
2.iii	Extra; access panels 600 x 600 mm; metal	No	1.00		

	framing all round, fixing with chromium plated screws and cup washers				
3.i	Armstrong" or equal and approved acoustic suspended ceiling system 600 x 1200 mm grids recessed exposed grid system proprietary suspended acoustic tiles; matching edge trim; wire hangers fixing to background requiring plugging; internal including metal steel brandings; generally to ceilings	m2	45.00		
3.ii	Armstrong" or equal and approved acoustic suspended ceiling system 600 x 1200 mm grids recessed exposed grid system proprietary suspended acoustic tiles; matching edge trim; wire hangers fixing to background requiring plugging; internal Extra; access panels; metal framing all round; fixing with chromium plated screws and cup washers	No	1.00		
b)	EXTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings).				
A	12 mm One coat work; to concrete or blockwork base; generally to walls	M2	135.00		
B	12 mm one coat work; to concrete or blockwork base; generally to plinths	m2	81.00		
ELEMENT No. 15	PAINTING AND DECORATING				
a)	INTERNAL WORK:				
A	Wood floated rendered surfaces; internal Walls over 300 mm wide	m2	135.00		
B	Ceilings; horizontal; over 300 mm wide	m2	94.00		
C	Sides and soffits of beams	m2	137.00		
D	Vertical or battering sides of columns or the like	m2	95.00		
i	Wood surfaces; internal General surfaces over 300 mm wide	m2	39.00		
ii	Frames or the like 200 to 300 mm girth	m	52.00		
i)	Painting and Decorations				
A	Wood floated rendered surfaces; external Walls over 300 mm wide	M2	135.00		
B	Steel trowelled rendered surfaces; external over 300 mm wide	m2	81.00		
PART B5: Deep Sea Fish Market-Sleeping Camps					
BILL No 3	MEASURED WORKS				
ELEMENT No.1	SUBSTRUCTURE (ALL PROVISIONAL)				
1	Excavation and Earthworks;				
A	Demolishing; making good all work disturbed Existing roof; comprising of roofing tiles and purlins; Pulling down to floor level; existing wall or partitions;	Item	1.00		

	making good work disturbed				
B	Blockwork walls; 230 mm thick or 150mm thick	Item	1.00		
C	Electrical installation; shutting off from mains supply; remove switches, fittings and equipment;	Item	1.00		
D	Plumbing installations; shutting off from mains supply; remove pipes, fittings and equipment;	Item	1.00		
E	Clearing the site; frubong up rootsbushes, shrub, undergrowth or the like; small trees not exceeding 600 mm girth	m2	186.00		
F	Surfacces to reduce leves average 300 mm deep; to remove vegetable soil	m2	186.00		
G	Trenches Excavation, and Retaining Wall Excavation	m3	90.00		
H	Pits; to receive column foundations; starting from stripped level; not exceeding 1.50 m deep	m3	78.00		
I	1.50 m to 3.0 m deep	m3	16.00		
J	Extra over all kind of excavations irrespective of depth for breaking up rock	m3	9.00		
K	Importated Backfill and Surplus Materials Earth backfilling well rammed and consolidated around foundations	m3	195.00		
L	Filling to make up levels under floors;over 300 mm thick; depositing and compacting in layers maximum 150 mm thick; levelling	m3	51.00		
M	Load surplus excavated material and remove from site	m3	53.00		
2	Disposal of water:				
A	Keeping excavations free from general water	Item	1.00		
3	Planking and strutting.				
A	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	Beds; 200 mm thick; depositing and compacting; levelling; sand blinding	M2	171.00		
B	At the Rate of 7 litres per square metre; to hardcore beds and tops of foundation walls	m2	171.00		
C	Concrete blocks; B.S 6073; type A; 7.0 N per square millimetre; solid; in cementmortar (1:4); including 8 mm diameter 400 mm long wall ties at every secondcourse to join concrete and block works 230 mm Thick walls	m2	68.00		
D	At the Rate of 80 litres per cubic metre; to backfilling	M3	8.00		
7	CONCRETE WORK:				

	Plain insitu concrete grade '15'				
A	Blinding; 50 mm thick	M2	105.00		
	Reinforced insitu concrete grade '25'; vibrated; including vibrating around reinforcements:				
A	Foundations in trenches; irrespective of thickness	m3	13.00		
B	Foundations to isolated stanchions or the like; irrespective of thickness	m3	16.00		
C	Ground beams; irrespective of thickness	m3	9.00		
D	Beds; 150 mm thick	m3	167.00		
E	Ramps; 150 mm thick	m2	1.00		
F	Columns; vertical or sloping exceeding 15 degrees from horizontal; irrespective of sectional area	m3	1.00		
G	Steps, staircases or strings; generally	m3	2.00		
H	Retaining Wall 230mm Thick	m3	15.00		
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	08mm Diameter	Kg	384.00		
B	10mm Diameter	Kg	767.00		
C	12mm Diameter	Kg	2,044.00		
D	16mm Diameter	Kg	2,235.00		
E	20mm Diameter	Kg	959.00		
II	Fabric Wiremesh				
A	Reference A 252; mesh 200 x 200 mm; weight 3.95 kg per square metre; in any location	m2	167.00		
9	Formwork:				
	Vertical or battering surfaces				
A	Vertical or battering sides of foundations or the like	M2	68.00		
B	Vertical or battering sides of columns, retaining wall or the like	M2	125.00		
C	Sides and soffits of beams or the like	M2	270.00		
D	"Edges of beds or the like; 75 to 150 mm wide 75 to 150 mm wide; "	M	41.00		
E	Sides or risers of steps or staircases; 75 to 150 mm wide	M	11.00		
10	WALLING				
	Solid concrete blocks to BS 6073 Type 'A' dense aggregate, average compressive strength 7N/sq mm; in cement mortar				
12	DAMP PROOFING				
A	Horizontal; over 300 mm wide	M2	167.00		
B	Polycap capillary; two coats Tanking over 300 mm wide	m2	97.00		
ELEMENT	FRAMES				

No.2					
	CONCRETE WORKS:				
A	150 mm Thick suspended floors or the like	M2	32.00		
II	Reinforced insitu concrete grade '25' including vibrating around reinforcements.				
A	Beams; horizontal or sloping not exceeding 15 degrees from horizontal irrespective of sectional area	M3	13.00		
B	Columns; vertical or sloping exceeding 15 degrees from horizontal irrespective of sectional area	M3	2.00		
C	Ramps; 150 mm thick	M2	1.00		
D	Steps, staircases or strings; generally	m3	2.00		
E	Landings; horizontal; 150 mm thick	m2	1.00		
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	8mm Diameter	Kg	116.00		
B	10mm Diameter	Kg	231.00		
C	12 mm Diameter	Kg	616.00		
D	16mm Diameter	Kg	674.00		
E	20mm Diameter	Kg	289.00		
3	Formworks				
	Wrought formwork to:				
A	Soffits of suspended floors or the like	M2	33.00		
B	Vertical or battering sides of walls or the like	M2	15.00		
C	Vertical or battering sides of columns or the like	M2	2.00		
D	Sides and soffits of beams or the like; horizontal	M2	108.00		
E	Edges of suspended floors or the like 75 to 150 mm wide	m	41.00		
F	Sides or risers of steps or staircases 75 to 150 mm wide	m	6.00		
i	Reference A 252; mesh 200 x 200 mm; weight 3.95 kg per square metre; in any location	m2	32.00		
ELEMENT No.3	STAIRS AND RAMPS				
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	100 x 300 mm	M	4.00		

B	Copings 100 x 380 mm extreme thickness; twice weathered; twice 15 mm thickthroated; reinforced as necessary for handling; bedding, jointing andpointing in cement (1:4) mortar: to architectural details	M	33.00		
C	150 mm Thick walls	M2	42.00		
D	B.S. 8102; bitumen hessian base; 150 mm laps Horizontal; 230 mm wide	m	14.00		
E	150 mm Thick walls	m2	18.00		
F	B.S. 8102; bitumen hessian base; 150 mm laps 230 mm wide	m	6.00		
G	Perforated Concrete blocks;solid; incement mortar (1:4); including 8 mm diameter 400 mm long wall ties atevery second course to join concrete and block works 150 mm Thick walls	m2	62.00		
H	Allow for checking installations are set truly square before making good or plastering and for cutting any necessary chases or holes in concrete or blockwork and finishing for conduits and fittings connection with the following electrical installations	Item	1.00		
I	Allow for checking installations are set truly square before making good or plastering and for cutting any necessary chases or holes in concrete or blockwork and finishing for conduits and fittings connection with the following mechanical and plubing installations	Item	1.00		
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	Coverings; fixing to steel purlins at 1500 mm general spacing withgalvanised steel hook bolts, nuts, neoprene washers and caps; one on a half trough side laps; 150 mm end laps sloping not exceeding 45 degees from horizontal sloping not exceeding 45 degrees from horizontal	M2	274.00		
B	Cappings to ridges; 380 mm girth; fixing with galvanized steel bolts, nuts, neoprene washer and caps	M	14.00		
2	ROOF STRUCTURE				
	The following are in timber trusses Softwood pressure impregnated with preservative				
A	ROOF STRUCTURE The following are mild steel roof truss spanning over 16.00m not exceeding 18.00m to BS 449 and BS4360 grade 43A including one primer coat and two finishing coats of oil paint, before and after (respectively) erected into fabricator; site welded and connected	M	228.00		

	(Provisional) position by steel Steel Trusses 100 x 150 C20				
B	100 x 100 C20	M	132.00		
C	M.S Steel Anchor bolt 20mm, 250mm long bolt	Nr	48.00		
D	Bolts Mild steel bolts , washer, nuts including drilling holes 12mm Diameter steel bar;	No	95.00		
E	FASCIAL BOARD 25 x 250mm thick hardwood fascial board primed; 2 coats gloss painted	M	65.00		
F	PAINTING AND DECORATING PREPARE SURFACE AND APPLY THREE COATS OF GLOSS PAINT Prepare one coat zinc rich primer followed by two coats matt enamelgloss paint to manufacturers instructions to metal work surfaces surfaces over 100 but not exceeding 200 mm girth	M	360.00		
ELEMENT No.6	DOORS:				
4	WOOD WORK				
1	Prime quality hardwood Mkongo ,Paneled Doors, 50mm Thick paneled door; comprising of 100mm wide stiles and top rail; 150mm wide bottom rail ; 100mm intermediate rail; with 30mm thick solid panels, housed to stiles and rail.				
A	800 x 2100 mm overall size; type D01	No	3.00		
B	Frames or the like 50 x 150 mm Frames; one labour; plugging	m	15.00		
C	50 x 100 mm Transomes; two labours	m	3.00		
D	20 x 50 mm Architaves	m	30.00		
6	IRON MONGERY				
	Supply and fix the following ironmongery; HAFELE/UNION or other equal and approved; to hardwood with matching screws.				
A	100 mm fire rated butt hinges	Prs	5.00		
B	Lockset/ mortise with face plate	No	3.00		
C	Fire rated overhead hydraulic door closer with back check	No	3.00		
D	Kick plates; 150 mm wide x 1.5 mm thick; 1000 mm wide	No	6.00		
E	Push plate; 382 x 100 mm; 1.5 mm thick with "PUSH" symbol	No	3.00		
F	Pull plate; 382 x 100 mm; 1.5 mm thick with "PULL" symbol	No	3.00		
G	WC red/green indicating disc with escutcheons and dead lock with emergency opening function	No	3.00		
H	door stop	No	3.00		
ELEMENT No.7	WINDOWS				
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	1200 x 300 mm high; overall size; in panes; type W01	No	3.00		
ELEMENT No. 14	FINISHING				
a)	INTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings)				
a)	Porcelain Tiles				
A	12 mm One coat work; to concrete or blockwork base; generally to walls	M2	42.00		
B	12 mm one coat work; to concrete or blockwork base; generally to plinths	M2	25.00		
C	12 mm One coat work; to concrete or blockwork base; generally to walls	m2	78.00		
D	ceilings; horizontal; over 300 mm wide	m2	33.00		
E	sides and soffits of beams	m2	108.00		
F	Vertical or battering sides of columns or the like	m2	2.00		
G	600 x 600 x 15 mm; butt joints at 45 degrees both ways to cement and sand base; generally to floors	m2	167.00		
H	600 x 200 x 8mm; butt joints straight both ways to cement and sand base; generally to walls	m2	36.00		
ii)	Wall finish:				
a)	Internal Plastering				
A	40 mm one coat beds; screeded; to receive porcelain tiles; to concrete base; generally to floors	M2	167.00		
B	12 mm one coat backings; screeded; to receive wall tiles; to concrete or block work base; generally to walls	m2	36.00		
b)	EXTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings).				
ELEMENT No. 15	PAINTING AND DECORATING				
a)	INTERNAL WORK:				
A	Walls over 300 mm wide	m2	42.00		
i)	Painting and Decorations				
A	Steel trowelled rendered surfaces; external over 300 mm wide	M2	25.00		
B	Ceilings; horizontal; over 300 mm wide	m2	33.00		
C	Sides and soffits of beams	m2	108.00		
D	Vertical or battering sides of columns or the like	m2	2.00		
b)	EXTERNAL WORK:				

i)	External Painting				
A	Wood floated rendered surfaces; internal Walls over 300 mm wide	M2	78.00		
PART C3: Makorora Market-Plumbing External					
BILL No 3	MEASURED WORKS				
ELEMENT No.8	PLUMBING AND ENGINEERING INSTALLATIONS				
1	SANITARY APPLIANCES				
A	Allow for upgrade water supply system from main public system include supply and lay 50mm diameter HDPE pipe to underground water storage tank including fitting and accessories excavation backfilling and disposal.	ITEM	1.00		
B	Allow for supply and installation of water meter	Nr	1.00		
C	Supply and lay 50mm diameter PPR pipe from water booster pump to the overhead tank including fitting and accessories; excavations; backfilling and disposal	M	180.00		
D	Provide for the construction of underground water tank of 100cum with wall inside surface sealed against water seepage and partitioned. in accordance with structural engineer's specifications. Supply and install float ball valves for overflow prevention Provide 5.3mdiameter, 4.85m depth.	Nr	1.00		
E	Allow for installation of elevated GRP water tank of 20,000L	Nr	1.00		
F	Allow for ball valve, gate valves to roof water tank	Item	1.00		
G	Supply water transfer pump set (1duty+1Standby) submersible pump for water supply GRUNDFOSS Capacity ; Q= 10m3/hr; Head 45M GRUNDFOSS including starters control panel, float switches, dry running protection, tanks level control and alarm	Nr	2.00		
H	Allow for the supply,install and commisioning of power surge protection to the pump control panel with 50KA peak discharge current and 100nS response time.	Nr	1.00		
I	Supply and install vent pipes diameter 110mm (uPVC) "C"	Nr	12.00		
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	Allow for construction of foulwater manhole of internal dimensions 450 X 450mm depth to invert level not exceeding 500mm comprising 200mm plan concrete grade "C" bend 230mm blockwall plastered internally	Nr	23.00		
B	Allow for 450X450mm Mild steel manhole cover 5mm heavy duty standard EN 1242	Nr	23.00		

	Material mild steel 304 including frame				
C	Allow for gully trap, size 300 x 300mm with cover	Nr	22.00		
D	Excavate trench not exceeding 1.5 m deep and average 500mm width for laying sewerage pipes not exceeding 200mm diameter from gully or first manholes to final manhole including backfilling.	M	506.00		
E	Construction of Settling Chamber Comprising of concrete block grade 25 wall bedded and jointed in cements and sand (1:3) mortar, 100mm thick grade 25 insitu concrete beams around finished fair including cover and all fittings. (e.g cover slab, sand cement mortar including all excavations, formwork and disposal of surplus excavated materials).	Nr	5.00		
2	COLD WATER INSTALLATIONS DISTRIBUTION PIPES				
3	SUPPLY PIPES				
A	Supply and install rainwater pipework,250mm diameter PVC including fixing and fixtures (vertical pipework).	M	410.00		
B	Supply and install 200mm diameter fulbora for rain water drainage	Nr	30.00		
C	Supply and install 200mm diameter down pipe for rain water	Nr	180.00		
D	Allow for construction of storm water manhole of internal dimensions 600 X 600mm depth to invert level not exceeding 500mm comprising 200mm plan concrete grade "C" bend 230mm blockwall plastered internally	Nr	24.00		
PART B6: Deep Sea Fish Market-Restaurant					
BILL No 3	MEASURED WORKS				
ELEMENT No.1	SUBSTRUCTURE (ALL PROVISIONAL)				
1	Excavation and Earthworks;				
A	Demolishing; making good all work disturbed Existing roof; comprising of roofing tiles and purlins; Pulling down to floor level; existing wall or partitions; making good work disturbed	Item	1.00		
B	Blockwork walls; 230 mm thick or 150mm thick	Item	1.00		
C	Electrical installation; shutting off from mains supply; remove switches, fittings and equipment;	Item	1.00		
D	Plumbing installations; shutting off from mains supply; remove pipes, fittings and equipment;	Item	1.00		
i	Clearing the site; frubbong up rootsbushes, shrub, undergrowth or the like; small trees not exceeding 600 mm girth	m2	281.00		

ii	Excavating Surfaces to reduce levels average 300 mm deep; to remove vegetable soil	m2	281.00		
iii	Trenches Excavation, and Retaining Wall Excavation	m3	66.64		
iv	Pits; to receive column foundations; starting from stripped level; not exceeding 1.50 m deep	m3	3.00		
v	1.50 m to 3.0 m deep	m3	1.00		
vi	Extra over all kind of excavations irrespective of depth for breaking up rock	m3	15.00		
vii	Imported Backfill and Surplus Materials Earth backfilling well rammed and consolidated around foundations	m3	135.79		
viii	Filling to make up levels under floors; over 300 mm thick; depositing and compacting in layers maximum 150 mm thick; levelling	m3	79.50		
ix	Load surplus excavated material and remove from site	m3	34.15		
2	Disposal of water:				
A	Keeping excavations free from general water	Item	1.00		
3	Planking and strutting.				
A	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	Beds; 200 mm thick; depositing and compacting; levelling; sand blinding	M2	267.00		
B	At the Rate of 7 litres per square metre; to hardcore beds and tops of foundation walls	m2	267.00		
C	At the Rate of 80 litres per cubic metre; to backfilling	m3	8.40		
D	Concrete blocks; B.S 6073; type A; 7.0 N per square millimetre; solid; in cement mortar (1:4); including 8 mm diameter 400 mm long wall ties at every second course to join concrete and block works 230 mm Thick walls	m2	67.20		
7	CONCRETE WORK:				
	Plain insitu concrete grade '15'				
A	Blinding; 50 mm thick	M2	53.60		
	Reinforced insitu concrete grade '25'; vibrated; including vibrating around reinforcements:				
A	Foundations in trenches; irrespective of thickness	m3	9.02		
B	Foundations to isolated stanchions or the like; irrespective of thickness	m3	1.00		
C	Ground beams; irrespective of thickness	m3	6.68		
D	Beds; 150 mm thick	m2	265.00		
E	Ramps; 150 mm thick	m2	0.70		

F	Columns; vertical or sloping exceeding 15 degrees from horizontal; irrespective of sectional area	m3	2.00		
G	Steps, staircases or strings; generally	m3	2.00		
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	08mm Diameter	Kg	149.00		
B	10mm Diameter	Kg	297.99		
C	12mm Diameter	Kg	794.65		
D	16mm Diameter	Kg	869.15		
E	20mm Diameter	Kg	372.49		
II	Fabric Wiremesh				
A	Reference A 252; mesh 200 x 200 mm; weight 3.95 kg per square metre; in any location	m2	265.20		
9	Formwork:				
	Vertical or battering surfaces				
A	Vertical or battering sides of foundations or the like	M2	50.40		
B	Vertical or battering sides of columns or the like	M2	1.56		
C	Sides and soffits of beams or the like	M2	201.60		
D	"Edges of beds or the like; 75 to 150 mm wide 75 to 150 mm wide; "	m	56.00		
E	Sides or risers of steps or staircases; 75 to 150 mm wide	m	7.50		
F	DAMP PROOF MEMBRANES Polythene; 1000 gauge; in single layer; 150 mm laps Horizontal; over 300 mm wide	m2	265.00		
ELEMENT No.2	FRAMES				
	CONCRETE WORKS:				
A	Beams; horizontal or sloping not exceeding 15 degrees from horizontal irrespective of sectional area	m3	10.08		
II	Reinforced insitu concrete grade '25' including vibrating around reinforcements.				
A	Columns; vertical or sloping exceeding 15 degrees from horizontal irrespective of sectional area	M3	3.00		
B	Ramps; 150 mm thick	M2	1.00		
C	Steps, staircases or strings; generally	m3	4.05		
D	Landings; horizontal; 150 mm thick	m2	1.00		
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	8mm Diameter	Kg	123.34		

B	10mm Diameter	Kg	246.67		
C	12 mm Diameter	Kg	657.79		
D	16mm Diameter	Kg	719.46		
E	20mm Diameter	Kg	308.34		
3	Formworks				
	Wrought formwork to:				
A	Sloping soffits of suspended floors or the like	M2	1.00		
B	Vertical or battering sides of columns or the like	M2	30.36		
C	Sides and soffits of beams or the like; horizontal	M2	84.00		
D	Sides or risers of steps or staircases 75 to 150 mm wide	m	7.50		
E	Sides or risers of steps or staircases 150 to 225 mm wide	m	7.50		
ELEMENT No.3	STAIRS AND RAMPS				
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	Concrete blocks; B.S 6073; type A; 4.0 N per square millimetre; solid; incement mortar (1:4); including 8 mm diameter 400 mm long wall ties atevery second course to join concrete and block works 230 mm Thick walls	m2	5.00		
B	DAMP PROOF COURSES B.S. 8102; bitumen hessian base; 150 mm laps Horizontal; 230 mm wide	m	2.50		
C	Balustrades; comprising 50 mm diameter hollow section handrails;7 No. horizontal adjustable cables fixed to balusters; 100 mm diameterbalusters fixed at 3000 mm average centres, with 6 mm thick base platesfixed with bolts to concrete surfaces; fixing in position to including allmortices and fixings; 900 mm high, horizontal	m	74.00		
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	Coverings; fixing to steel purlins at 1500 mm general spacing withgalvanised steel hook bolts, nuts, neoprene washers and caps; one on a half trough side laps; 150 mm end laps sloping not exceeding 45 degees from horizontal sloping not exceeding 45 degrees from horizontal	M2	337.20		
B	50 X 150 C20 Steel Truss	m	189.00		
C	50 X 75 C20 Steel Truss	m	161.00		
D	M.S Steel Anchor bolt 20mm, 250mm long bolt	Nr	112.00		
E	Bolts Mild steel bolts , washer, nuts,including drilling holes 12mm Diameter steel bar;	No	336.00		
F	FASCIAL BOARD 25 x 250mm thick hardwood fascial board primed; 2 coats gloss painted	m	56.00		
2	ROOF STRUCTURE				
	The following are in timber trusses Softwood pressure impregnated with preservative				
A	Prepare one coat zinc rich primer followed by two coats matt enamelgloss paint to manufacturers instructions to metal work surfaces surfaces over 100 but not exceeding 200 mm girth	M	350.00		
ELEMENT No.6	DOORS:				
4	WOOD WORK				
1	Prime quality hardwood Mkongo ,Paneled Doors, 50mm Thick paneled door; comprising of 100mm wide stiles and top rail; 150mm wide bottom rail ; 100mm intermediate rail; with 30mm thick solid panels, housed to stiles and rail.				
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"				
ELEMENT No. 14	FINISHING				

a)	INTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings)				
a)	Porcelain Tiles				
A	12 mm One coat work; to concrete or blockwork base; generally to walls	M2	5.00		
B	sides and soffits of beams	m2	84.00		
C	Vertical or battering sides of columns or the like	m2	30.36		
D	50 mm two coats work; to concrete or blockwork base; generally to floors, to falls crossfalls or sloping not exceeding 15 degrees from horizontal	m2	228.00		
E	Skirtings; 150 mm high	m	86.00		
F	Treads; 300 mm wide; one rounded nosing	m	2.40		
G	Risers; 150 mm high; one coved junction with pavings	m	1.20		
H	Armstrong" or equal and approved acoustic suspended ceiling system 600 x 1200 mm grids recessed exposed grid system proprietary suspended acoustic tiles; matching edge trim; wire hangers fixing to background requiring plugging; internal including metal steel brandings; generally to ceilings	m2	264.00		
I	Extra; access panels; metal framing all round; fixing with chromium plated screws and cup washers	No	12.00		
b)	EXTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings).				
A	12 mm One coat work; to concrete or blockwork base; generally to walls	M2	5.00		
B	12 mm one coat work; to concrete or blockwork base; generally to plinths	m2	3.00		
ELEMENT No. 15	PAINTING AND DECORATING				
a)	INTERNAL WORK:				
A	Walls over 300 mm wide	m2	5.00		
i)	Painting and Decorations				
B	Sides and soffits of beams	M2	84.00		
A	Prepare and apply one thinned coat and two full coats of acrylic emulsion paint as per the Architect's approval on:	M2	30.36		
b)	EXTERNAL WORK:				
i)	External Painting				
A	Walls over 300 mm wide	M2	5.00		
B	Steel trowelled rendered surfaces; external over 300 mm wide	m2	3.00		
PART B10: Deep Sea Fish Market- Prime Cost & Provision Sum					
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 foreseen, 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 a Provisional sums of Amount to be spent on discretion of the Project Manager	PS	1.00	50000000	50,000,000.00
B	Allow percentage of profit and overheads	%			
C	Allow a Provisional Sum amount for constructing Gourd House (2 Nos)	PS	1.00	30000000	30,000,000.00
D	Allow a Provisional Sum amount for constructing Garbage Collection Point	PS	1.00	10000000	10,000,000.00
PART D3: Raskazoni Beach-External Works					
BILL No 3	MEASURED WORKS				
ELEMENT No.1	SUBSTRUCTURE (ALL PROVISIONAL)				
1	Excavation and Earthworks;				
A	SERIES 2000: DRAINAGE: Section 2100: Drains, 21.01 Excavation for drains including trimming:Excavating soft material situated within the following depth ranges below the surface level:0.5 m up to 1.5 m	cu.m	77.00		
B	Exceeding 1.5m and up to 3.0m	cu.m	10.00		
C	Section 2200: Prefabricated Culverts:- 22.01 Excavation, Excavation of soft material situated within the following depth ranges below the surface level:- (i) 0.5m to 1.5m	cu.m	54.00		
D	(ii) Exceeding 1.5 m and up to 3.0 m	cu.m	34.00		
E	22.02 Backfilling:-Using excavated material,	cum.m	22.00		
F	Using imported selected material	cu.m	40.00		
G	22.03 Concrete Pipe Culvert:- On Class A Bedding, (ii) 1/900mm diameter Concrete Class 20	M	60.00		
H	22.07 Cast in Situ Concrete including Formwork class F2 surface finish:- In Class A bedding, screeds and the encasing for pipes including formwork (Class 20/19 concrete)	cu.m	8.64		
I	In Class 25/19 inlet and outlet structures, catchpits, manholes, thrust and anchor blocks, including formwork and Class U2 surface finish	cu.m	12.00		
J	Service Ducts:- Provide and construct service ducts, Provide & construct service ducts using Ordinary pipes (mPVC 300 mm dia.),	M	30.00		
K	22.25 Hand Excavation to determine the positions of existing services:- Hand excavation to determine the position of existing services (Provisional)	cu.m	200.00		
l	23.07 Trimming of Excavation for Concrete Lined Drains:-In soft material as defined in	sq.m	280.00		

	Clause 3603				
M	23.08 Concrete Lining for Drains:-Cast in situ concrete lining Grade 20 to drains with Class U2 surface finish :	cu.m	26.00		
N	BILL 3000: EARTHWORKS AND PAVEMENT LAYERS OF:-Section 3100: Clearing, Grubbing and Removal of Topsoil, Clearing, grubbing and removal of topsoil:Clearing and grubbing	ha	2.00		
0	Removal of topsoil 150mm depth	cu.m	2,250.00		
P	Section 3600: Earthworks, 36.01 Excavations:Common excavation to spoil, (Material other than topsoil excavated from side drains and existing/new roadway which is not suitable for fill).	cu.m	2,456.00		
Q	Rock excavation (Provisional):-36.02 Fill and improved subgrade layers:, Improved subgrade layer as specified in the Drawings to require G15 quality material as minimum	cu.m	615.00		
R	Improved subgrade layer as specified in the Drawings to require G7 quality material as minimum	cu.m	615.00		
S	Fill as specified in the Drawings to require G3 quality material as minimum	cu.m	1,537.50		
T	Natural Gravel For Gravel Wearing Course and Unpaved Shoulders: Natural Gravel Class G45	cu.m	305.00		
5	Soil sterilization:				
A	Section 3800: Stabilisation, 38.02 Chemical stabilisation, payment for full cost of providing:Stabilised Layer, Material Class C1 (200mm thick subbase)	Cu.m	381.00		
B	38.03 Chemical stabilising agents: Ordinary portland cement (for subbase)	tonne	27.00		
7	CONCRETE WORK:				
	Plain insitu concrete grade '20'				
A	39.01 Crushed Aggregate Base Course:- Crushed Aggregate Base, Class CRR 150mm	cu.m	380.40		
	Reinforced insitu concrete grade '25'; vibrated; including vibrating around reinforcements:				
A	Section 2300: Concrete Kerbing, Concrete Channelling, Open Concrete Chutes and Concrete Linings for Open drains:- 23.01 Concrete Kerbing Class 30/19 including haunching concrete, (for Intermittent kerbs excluding gaps),450 x 150 Precast kerb (Concrete class 30/19) with cast in-situ Concrete Class 20/19 Hunching as shown in the drawing for Inner Side of road/Bus bays.	M	2,134.00		
B	23.05 Inlet , Outlet, Transition and Similar Structures (Typical Designs)(ii) 150mm thick Access Slabs Class 25/19 as per drawings or as instructed by the Engineer.	sq.m	200.00		

C	(iii) 100mm thick Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	sq.m	200.00		
D	(iv) 75mm thick Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	sq.m	140.00		
E	(v) 50mm thick Access Slabs Class 25/19 as per drawings or as instructed by the Engineer:-	sq.m	100.00		
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	(b)High-tensile steel bars (for inlet and outlet structures)	tonne	4.00		
B	23.12 Steel Reinforcement:-Reinforcements for drains	tonne	4.00		
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	Polyethylene sheeting (0.15mm thick)	M2	1,547.00		
B	25.04 Concrete Pitching and block paving :- (i). (200x100x60mm) 25Mpa Prefabricated concrete paving blocks for sidewalk pavement including 30mm Sand capping	sq.m	1,564.00		
C	(ii). (200x100x80mm) 35Mpa Prefabricated concrete paving blocks for vehicular areas including 30mm Sand capping	sq.m	1,850.00		
D	Section 2500: Pitching, Stonework and Protection Against Erosion	sq.m	540.00		
ELEMENT No.8	PLUMBING AND ENGINEERING INSTALLATIONS				
8	BUILDER'S WORK IN CONNECTIONS WITH PLUMBING AND ENGINEERING INSTALLATIONS (PROVISIONAL)				
A	BILL 5000: ANCILLARY ROADWORKS:- Section 5100: Marker and Kilometre Posts, Section 5400: Road Signs, 54.01 Road sign , Road Signs with reflective sheeting (Standard Aluminium 2.0mm thick, area not exceeding 2.0m ²), (a) Regulatory Signs (600mm).	No	20.00		
B	(b) Warning Signs (600mm)	No	6.00		
C	(c)(i) Information Signs (0-1m ²)	No	5.00		
D	(c)(ii) Information Signs (1-2m ²)	No	5.00		
E	Thermo-Plastic Road Marking Material:-(i) White unbroken road marking lines 100mm wide (2mm thick)	M	400.00		
F	(iii)White unbroken road marking lines 300mm wide (2mm thick)	M	100.00		
G	(i) Yellow acoustic road marking lines	M	100.00		

	150mm wide at edges (2mm thick)				
H	White Lettering and Symbols:-	Sq.m	20.00		
I	Traffic Island Markings	sq.m	20.00		
J	Setting out and premarking the lines	M	600.00		
K	Section 5600: Cattle Grids, Axle Weigh-Bridges and Street lights,Allow for Provision and Installation of Solar Street Lights to be done by Specialised Sub-Contractor (approx. 30 numbers	Ps	1.00	135000000	135,000,000.00
L	Allow for contractor's overhead and profits as a percentage of above	%			
ELEMENT No. 14	FINISHING				
b)	EXTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings).				
A	Section 5700: Landscaping and Grassing:- 57.01 Trimming(a) Machine trimming	M2	5,000.00		
B	(b) Hand trimming	M2	5,000.00		
C	Preparing the areas for grassing:(c) Topsoiling within the road reserve, where the following materials are used:(i) Topsoil obtained from within the road reserve or borrow areas	M3	47.00		
D	(ii) Topsoil obtained from other sources	M3	20.00		
E	Grassing:(a) Planting of grass cuttings (type of grass as instructed)	ha	1.00		
F	Watering, the grass weekly, when established by topsoiling only until the end of defect liability	Item	1.00		
G	Trees and shrubs:(a) Providing the trees and shrubs (types as instructed)	Nos	100.00		
H	(b) Planting and establishing:(i) Trees at 25m spacing at locations instructed by the Engineer	Nos	60.00		
I	(ii) Shrubs at 25m spacing at locations instructed by the Engineer	Nos	200.00		
J	Weeding all grass-seeded areas and the grass weekly, when established by topsoiling only until the end of defect liability	ha	1.00		
PART A2: General					
BILL NO. 1	PRELIMINARIES AND GENERAL MATTERS				
PART C	PRELIMINARY ITEMS AND GENERAL MATTERS				
I	ACCESS TO THE SITE				
A	Arrange and pay for removal and/or alteration to services provided by agencies for electricity supply, water, sewerage, or telecommunication	PS	1.00	100000000	100,000,000.00
B	(i) Allow for Contractor's overheads and profits as a percentage of item (a) above	%			

II	EQUIPMENT, PLANTS, TOOLS AND VEHICLES				
A	Sureties	PS	1.00	100000000	100,000,000.00
B	(ii) Allow for Contractor's overheads and profits as a percentage of item (c) above	%			
B	Insurance of Works	PS	1.00	80000000	80,000,000.00
C	(iii) Allow for Contractor's overheads and profits as a percentage of item (d) above	%			
D	Insurance of Constructional Plant & Equipment	PS	1.00	60000000	60,000,000.00
E	(iv) Allow for Contractor's overheads and profits as a percentage of item (e) above	%			
F	Third Party Insurance	PS	1.00	50000000	50,000,000.00
G	(v) Allow for Contractor's overheads and profits as a percentage of item (f) above	%			
H	Allow for erection of standard project sign board at approved locations	No	3.00		
III	SAFETY, HEALTH AND WELFARE OF THE WORK PEOPLE				
a	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	Month	15.00		
b	Monthly rate to cover costs for compliance with provisional Health and Safety Management Plan (HSMP)	Month	15.00		
c	Instituting; COVID-19, HIV & AIDS, STIs, STDs and Child Abuse, Sexual Harrasment Prevention and Awereness Programs	Month	15.00		
d	Allow Provisional sum for HIV/AIDS Training	PS	1.00	25000000	25,000,000.00
e	(vi) Allow for Contractor's overheads and profits as a percentage of item (c) above	%			
f	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
g	(vii) Allow for Contractor's overheads and profits as a percentage of item (f) above	%			
PART E: Dayworks					
BILL NO. 5	SCHEDULE OF DAYWORKS				
SECTION A	LABOUR				
	In accordance with the relevant clauses of the Conditions of Contract, the Contractor shall be paid dayworks rates for extra work that cannot properly be measured and valued and the Contractor is to insert in the space provided below the basic rates and cost of labour as described hereunder				
A	Unskilled Labour	Hrs	50.00		
B	Skilled Labour	Hrs	50.00		

C	Tradesman/Artisan	Hrs	50.00		
D	Foreman	Hrs	50.00		
E	Driver	Hrs	50.00		
F	Plant Operator	Hrs	50.00		
G	Surveyor	Hrs	50.00		
H	Technician	Hrs	50.00		
SECTION B	MATERIALS				
	In accordance with the relevant clauses of the Conditions of Contract, the Contractor shall be paid dayworks rates for extra work that cannot properly be measured and valued and the Contractor is to insert in the space provided below the basic rates and cost of materials as described hereunder				
A	Petrol	Litres	20.00		
B	Diesel (gas oil)	Litres	20.00		
C	Lubricants	Kg	20.00		
D	Solid concrete blocks	No	20.00		
E	Weatherguard paint	Litres	20.00		
F	Ordinary Portland Cement	Tonne	20.00		
G	Gypsum plaster	Tonne	5.00		
H	IT5 Aluzinc roofing sheets	m2	50.00		
I	Deformed High-Yield-Stress reinforcement steel	Tonne	5.00		
J	Plain reinforcement steel, Grade 40	Tonne	3.00		
K	Use of shuttering timber	m2	10.00		
SECTION C	EQUIPMENT AND TOOLS				
	In accordance with the relevant clauses of the Conditions of Contract, the Contractor shall be paid dayworks rates for extra work that cannot properly be measured and valued and the Contractor is to insert in the space provided below the basic rates and cost of plant as described hereunder				
A	Bulldozer 70kW	Hrs	40.00		
B	Motor grader 110kW complete with scarifier	Hrs	40.00		
C	Motorscraper 250kW	Hrs	40.00		
D	Backhoes	Hrs	40.00		
E	Hydraulic excavator 15-24t	Hrs	40.00		
F	Wheel loader 60KW (capacity 2.5 cu.m)	Hrs	40.00		
G	Wheel loader 130KW	Hrs	40.00		
H	Tipping lorry 7-10t	Hrs	40.00		
I	Tipping lorry 15t	Hrs	40.00		
J	Self-propelled vibrating roller 8t - 10t	Hrs	40.00		
K	Vibro plate 0.4t	Hrs	40.00		
L	Jackhammer 25kg	Hrs	40.00		
M	Pick-up or van 1.5t	Hrs	40.00		
N	Generator 150kW	Hrs	40.00		
O	Concrete mixer 15HP, 0.5 cu.m	Hrs	40.00		
P	Concrete vibrator, poker type, 35mm	Hrs	40.00		

	diameter				
PART D5: Raskazoni Beach-Electrical External					
BILL No 3	MEASURED WORKS				
ELEMENT No.9	ELECTRICAL INSTALLATIONS				
i	Supply and install the following:				
A	ELECTRICAL INSTALLATION MAIN CIRCUITS INSTALLATIONS:- Supply from 33KV HT pole to transformer: 3core x 70mm ² CU/XLPE/SWA/PVC 33kV grade cable to Transformer	M	100.00		
B	Supply from Transformer to Automatic changeover:- 4core x185mm ² CU/ XLPE/SWA/PVC cable	M	100.00		
C	Supply from Generators to ATS:- 4core x185mm ² CU/ XLPE/SWA/PVC cable	M	50.00		
D	Supply from Automatic changeover to 250A Main panel board:- 4core x185mm ² CU/ XLPE/SWA/PVC cable	40	40.00		
E	Control cable from 200kVA generator to automatic interlocking device:- 3c X 2.5mm ² CU/XLPE/SWA/PVC cable	M	50.00		
F	Supply from MDB to Water Pump Distribution Board:- 4core x 25mm ² CU/ XLPE/SWA/PVC cable	M	40.00		
G	4core x 35mm ² CU/ XLPE/SWA/PVC cable	M	40.00		
H	MAIN CIRCUITS COMPONENTS:- Supply and install 150kVA, 400V, 50Hz standby diesel Generator complete with battery and battery charger, starter, acoustinc canopy, all necessary installation accessories manufactured by CATERPILLAR/PERKINS/cummins or equal approved by Engineer.	Nr	1.00		
I	Supply and install 200kVA, 33/0.4kV, 50Hz, DYN11, Delta -star transformer with transformation ratio adjustment +/-2x2.5%; outdoor type, floor mounted complete with all necessary installation accessories and earthing system with not more than 1 ohm	Nr	1.00		
J	Supply and install 3ph 50Hz 415V 250A three phase and neutral automatic change over switch	Nr	1.00		
k	Supply and fix the following Low Voltage Panel and accessories to surface andbackgrounds requiring plugging; ABB, SCHNEIDER, LEGRAND or similar approved byEngineer with sheet steel case; fully shrouded; MCCB and 415V,surge arrestors:-Supply and install 10 ways 250A TP&N, IEC 439-1, BS 5486, type tested Assemblymain Panel Board with incoming device 250A MCCB and outgoing devices three phase MCCBs intergral with 35kA surge arrestor; and PLC to monitor power	Nr	1.00		

	from Transformer, link with the generators when power is cut.				
L	6 ways TPN weather proof Distribution panel; 125Amps rating with outgoing device 3P MCCB standard IEC 439-1, BS 5486, type tested assembly c/w 36kA surge arrester for DBP-pump	Nr	1.00		
M	Isolator: 63 amp ; 3ph 50Hz 415V 4pole isolator for cold room	Nr	1.00		
N	EQUIPMENT: Supply and fix the following lighting equipments and Luminaires ; complete with control gear, lamps tubes or bulbs and all accessories as Oppl lighting, Phillips lighting, Jaguar lighting or equal approved by Engineer, Sunskill 80W LED Integrated solar street light with 5m galvanized pole c/w battery, warm light black/grey color pole, dusk till dawn, all necessary accessories to enable it to work including construction of foundation. Type S	Nr	30.00		
P	LED Floodlight-E IV 30W-3000-GY-GP, as in oppl lighting	null	7.00		
Q	EARTHING :- Earth protection system: Provide all necessary earthing high voltage conductivity electrodes with drive head assemblies and earthing clamps with link to earth rods/earth pit and 1cx90mm ² Copper cable PVC Yellow/Green; cables run in parallel for the DBM and all other distribution board for the entire electrical installation system	Item	1.00		
R	Provide all necessary earthing high voltage conductivity electrodes with drive head assemblies and earthing clamps with link to earth rods/earth pit and 1cx90mm ² Copper cable PVC Yellow/Green; for the transformer	Item	1.00		
S	Provide all necessary earthing high voltage conductivity electrodes with drive head assemblies and earthing clamps with link to earth rods/earth pit and 1cx90mm ² Copper cable PVC Yellow/Green; cables for generator	Item	1.00		
T	TESTING AND COMMISSIONING:- Provide sum for testing and commissioning the foregoing and requirements described in the Specifications	Item	1.00		
ELEMENT No. 13	ICT INSTALLATION				
b)	IP SURVEILLANCE CAMERA (CCTV) SYSTEM INSTALLATION				
i)	Supply, install, connect, test and commission as per drawings and specifications including all necessary equipments to the satisfaction of engineers.				
A	CCTV SYSTEM INSTALLATION:- Supply, install and set to work the following equipment and accessories Upvc conduit ,	Nr	10.00		

	PoE(Power over ethernet) cables, bends, junction boxes,end caps etc, Circuits from NVR to cameras for CCTV installation in 10Nr points				
B	EQUIPMENT :-Supply and fix the following cctv, monitor, NVR etc complete with all accessories batteries, power supply to enable it to work.HIK Vision, Honeywell, Axis or equal approved by Engineer 8 MP Smart Hybrid, Day & Night, outdoor Bullet Network Camera	Nr	10.00		
C	PTZ Camera HDZP304DI Zoom WDR PTZ IP Camera 30X optical zoom with 360° continuous rotation, True WDR 120 dB for clear, glare-free images	Nr	2.00		
D	Network video recorder IP video input: 32-ch, 2U, 8k Two-way audio input: 1-ch, RCA audio output: 2-ch, upto 12 Megapixels resolution recording, Support 2 HDMI output, 2 VGA, upto 320Mbps incoming and 400Mbps outgoing bandwidth, c/w software and licence	Nr	1.00		
E	STORAGE:- 24-slot storage with 24 pcs 10TB SATA I0T HDD, HIK DS-A81024S/240	Nr	1.00		
F	55" 4K LED monitor display wall mount including its mounting Accessories	Nr	1.00		
G	Connection of data network from existing switch to NVR	Nr	1.00		
H	Network keyboard with joystick DS-1600KI	Nr	1.00		

PART D4: Raskazoni Beach-Plumbing External

BILL No 3	MEASURED WORKS				
ELEMENT No.1	SUBSTRUCTURE (ALL PROVISIONAL)				
1	Excavation and Earthworks;				
A	Excavate trench not exceeding 1.5 m deep and average 500mm width for laying sewerage pipes not exceeding 200mm diameter from gully or first manholes to final manhole including backfilling.	M	678.00		
B	Allow for construcion of Perforated Gravel Filter as shown on the drawings	Item	1.00		
7	CONCRETE WORK:				
	Plain insitu concrete grade '20'				
A	Construction of Settling Chamber Comprising of concrete block grade 25 wall bedded and jointed in cements and sand (1:3) mortar, 100mm thick grade 25 insitu concrete beams around finished fair including cover and all fittings. (e.g cover slab, sand cement mortar including all excavations, formwork and disposal of surplus excavated materials).	Nr	5.00		
ELEMENT	WALLING.				

NO.4					
1	BLOCKWORK:				
I	Solid concrete blocks to BS 6073 Type 'A' dense aggregate, average compressive strength 7N/sq mm; in cement mortar:				
A	DRAINAGE:-Allow for construction of foulwater manhole of internal dimensions 450 X 450mm depth to invert level not exceeding 500mm comprising 200mm plan concrete grade "C" bend 230mm blockwall plastered internally	Nr	42.00		
B	Allow for 450X450mm Mild steel manhole cover 5mm heavy duty standard EN 1242 Material mild steel 304 including frame	Nr	42.00		
C	Allow for gully trap, size 300 x 300mm with cover	Nr	8.00		
D	ANAEROBIC BAFFLE REACTOR :- Construction of septic tank Comprising of concrete grade 20,150mm thick solid concrete block wall bedded and jointed in cements and sand (1:3) mortar, 100mm thick grade 25 insitu concrete beams around finished fair including cover and all fittings. (e.g cover slab, sand cement mortar including all excavations, formwork and disposal of surplus excavated materials).Length:8550mm, Depth: 3600mm, Width: 2000mm	Nr	1.00		
E	Length:4650mm, Depth: 1800mm Width: 1500mm	Nr	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	RAIN WATER DRAINAGE SYSTEM:- Pipe material: "PVC pipes" Class 'C' Supply and install rainwater pipework,250mm diameter, PVC including fixing and fixtures (vertical pipework)	m	150.00		
B	Supply and install 200mm diameter fulbora for rain water drainage	Nr	18.00		
C	Supply and install 200mm diameter down pipe for rain water	Nr	54.00		
2	COLD WATER INSTALLATIONS DISTRIBUTION PIPES				
	IPS PIPE PN 20"Class C" painted with special paint; including joints in running length.Fixing in accordance with manufacture's instructions				
A	Allow for upgrade water supply system from main public system include supply and lay 50mm diameter HDPE pipe to underground water storage tank including fitting and accessories excavation backfilling and disposal.	Item	1.00		
B	Allow for supply and installation of water meter	Nr	1.00		

C	Supply and lay 50mm diameter PPR pipe from water booster pump to the overhead tank including fitting and accessories; excavations; backfilling and disposal	M	170.00		
D	i)Ditto 40mm	M	72.00		
E	Water Storage Tanks: Provide for the construction of underground water tank of 100cum with wall inside surface sealed against water seepage and partitioned. Construction to be as per drawings and in accordance with structural engineer's specifications. Supply and install float ball valves for overflow prevention Provide 5.3mdiameter, 4.85m depth.	Nr	1.00		
F	Allow for installation of elevated ROOF water tank of 10,000L	Nr	4.00		
G	Allow for ball valve, gate valves to roof water tank	Item	1.00		
H	Water Transfer Pump:- Supply water transfer pump set (1duty+1Standby) submersible pump for water supply GRUNDFOSS Capacity ; Q= 10m ³ /hr; Head 15M GRUNDFOSS including starters control panel, float switches, dry running protection, tanks level control and alarm	Nr	2.00		
I	Allow for the supply,install and commisioning of power surge protection to the pump control panel with 50KA peak discharge current and 100nS response time.	Nr	1.00		
J	Supply and install UPvC pipe Class C for foulwater including fittings and other accessories fixing to the Duct:- (i) Ditto 125mm dia	M	32.00		
K	(ii) Ditto 110mm dia	M	152.00		
L	Ditto 90mm dia	M	14.00		
M	(iv) Ditto 75mm dia	M	190.00		
N	Supply and install vent pipes diameter 110mm (uPVC) "C"	Nr	21.00		

ART D6: Raskazoni Beach-Prime Cost & Provision Sum

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 foreseen, 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 a Provisional sums to spent on descretion of the Project Manager	PS	1.00	100000000	100,000,000.00
B	Allow profit and overhead of the item (a) above	%			
C	Allow a Provisional sums for Services installations in the Buildings	PS	1.00	120000000	120,000,000.00
D	Allow a Provisional Sum amount for constructing Gourd House (2 Nos)	PS	1.00	30000000	30,000,000.00

E	Allow a Provisional Sum amount for constructing Garbage Collection Point	PS	1.00	10000000	10,000,000.00
PART B3: Deep Sea Fish Market-Food vendors					
BILL No 3	MEASURED WORKS				
ELEMENT No.1	SUBSTRUCTURE (ALL PROVISIONAL)				
1	Excavation and Earthworks;				
A	Demolishing; making good all work disturbed Existing roof; comprising of roofing tiles and purlins; Pulling down to floor level; existing wall or partitions; making good work disturbed	Item	1.00		
B	Blockwork walls; 230 mm thick or 150mm thick	Item	1.00		
C	Electrical installation; shutting off from mains supply; remove switches, fittings and equipment;	Item	1.00		
D	Plumbing installations; shutting off from mains supply; remove pipes, fittings and equipment;	Item	1.00		
E	Removing bushes, shrubs, trees, etc. Clearing the site; frubbong up rootsbushes, shrub, undergrowth or the like; small trees not exceeding 600 mm girth	m2	374.00		
F	Excavating Surfaces to reduce leves average 300 mm deep; to remove vegetable soil	m2	262.00		
G	Trenches Excavation, and Retaining Wall Excavation	m3	312.00		
H	Pits; to receive column foundations; starting from stripped level; not exceeding 1.50 m deep	m3	25.00		
I	1.50 m to 3.0 m deep	m3	6.00		
J	Extra over all kind of excavations irrespective of depth for breaking up rock	m3	14.00		
i	Importated Backfill and Surplus Materials Earth backfilling well rammed and consolidated around foundations	m3	389.00		
ii	Filling to make up levels under floors;over 300 mm thick; depositing and compacting in layers maximum 150 mm thick; levelling	m3	64.00		
iii	Load surplus excavated material and remove from site	m3	46.00		
2	Disposal of water:				
A	Keeping excavations free from general water	Item	1.00		
3	Planking and strutting.				
A	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	Beds; 200 mm thick; depositing and compacting; levelling; sand blinding	M2	215.00		
B	At the Rate of 7 litres per square metre; to hardcore beds and tops of foundation walls	M2	215.00		
C	At the Rate of 80 litres per cubic metre; to backfilling	M3	8.00		
D	Concrete blocks; B.S 6073; type A; 7.0 N per square millimetre; solid; in cementmortar (1:4); including 8 mm diameter 400 mm long wall ties at every secondcourse to join concrete and block works (230 mm Thick walls)	m2	86.00		
7	CONCRETE WORK:				
	Plain insitu concrete grade '15'				
A	Blinding; 50 mm thick	M2	75.00		
	Reinforced insitu concrete grade '25'; vibrated; including vibrating around reinforcements:				
A	Foundations in trenches; irrespective of thickness	m3	12.00		
B	Foundations to isolated stanchions or the like; irrespective of thickness	m3	5.00		
C	Ground beams; irrespective of thickness	m3	9.00		
D	Beds; 150 mm thick	m2	213.00		
E	Ramps; 150 mm thick	m2	1.00		
F	Columns; vertical or sloping exceeding 15 degrees from horizontal; irrespective of sectional area	m3	2.00		
G	Steps, staircases or strings; generally	m3	2.00		
H	Retaining Wall 230mm Thick	m3	7.00		
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	08mm Diameter	Kg	246.00		
B	10mm Diameter	Kg	492.00		
C	12mm Diameter	Kg	1,312.00		
D	16mm Diameter	Kg	1,435.00		
E	20mm Diameter	Kg	615.00		
II	Fabric Wiremesh				
A	Reference A 252; mesh 200 x 200 mm; weight 3.95 kg per square metre; in any location	m2	214.00		
9	Formwork:				
	Vertical or battering surfaces				
A	Vertical or battering sides of foundations or the like	M2	63.00		
B	Vertical or battering sides of columns or the like	M2	19.00		
C	Sides and soffits of beams or the like	M2	252.00		

D	"Edges of beds or the like; 75 to 150 mm wide 75 to 150 mm wide; "	m	49.00		
E	Sides or risers of steps or staircases; 75 to 150 mm wide	m	7.00		
i	Horizontal; over 300 mm wide DPM	m2	213.00		
ii	Tanking over 300 mm wide DPM	m2	30.00		
ELEMENT No.2	FRAMES				
	CONCRETE WORKS:				
A	Beams; horizontal or sloping not exceeding 15 degrees from horizontal irrespective of sectional area	m3	13.00		
II	Reinforced insitu concrete grade '25' including vibrating around reinforcements.				
A	Columns; vertical or sloping exceeding 15 degrees from horizontal irrespective of sectional area	M3	3.00		
B	Ramps; 150 mm thick	M2	2.00		
C	Steps, staircases or strings; generally	m3	3.00		
D	Landings; horizontal; 150 mm thick	m2	1.00		
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	8mm Diameter	Kg	132.00		
B	10mm Diameter	Kg	263.00		
C	12 mm Diameter	Kg	701.00		
D	16mm Diameter	Kg	766.00		
E	20mm Diameter	Kg	329.00		
3	Formworks				
	Wrought formwork to:				
A	Sloping soffits of suspended floors or the like	M2	2.00		
B	Vertical or battering sides of walls or the like	M2	60.00		
C	Vertical or battering sides of columns or the like	M2	37.00		
D	Sides and soffits of beams or the like; horizontal	m2	105.00		
E	Sides or risers of steps or staircases 75 to 150 mm wide	m	7.00		
F	Sides or risers of steps or staircases 150 to 225 mm wide	m	7.00		
ELEMENT No.3	STAIRS AND RAMPS				
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	230 mm Thick walls	M2	9.00		
B	B.S. 8102; bitumen hessian base; 150 mm laps Horizontal; 230 mm wide DPC	M	5.00		
C	Balustrades; comprising 50 mm diameter hollow section handrails;7 No. horizontal adjustable cables fixed to balusters; 100 mm diameter balusters fixed at 3000 mm average centres, with 6 mm thick base plates fixed with bolts to concrete surfaces; fixing in position to including all mortices and fixings; 900 mm high, horizontal	m	25.00		
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	Coverings; fixing to steel purlins at 1500 mm general spacing with galvanised steel hook bolts, nuts, neoprene washers and caps; one on a half trough side laps; 150 mm end laps sloping not exceeding 45 degees from horizontal sloping not exceeding 45 degrees from horizontal	M2	320.00		
2	ROOF STRUCTURE				
	The following are in timber trusses Softwood pressure impregnated with preservative				
A	50 X 150 C20 Steel Truss	M	71.00		
B	50 X 75 C20 Steel Truss	M	63.00		
C	20mm, 250mm long bolt	Nr	101.00		
D	Bolts Mild steel bolts , washer, nuts,including drilling holes 12mm Diameter steel bar;	No	245.00		
E	FASCIAL BOARD 25 x 250mm thick hardwood fascial board primed; 2 coats gloss painted	m	49.00		
F	surfaces over 100 but not exceeding 200 mm girth	m	134.00		
G	12 mm One coat work; to concrete or blockwork base; generally to walls	m2	9.00		
H	12 mm one coat work; to concrete or blockwork base; generally to plinths	m2	6.00		
I	12 mm One coat work; to concrete or blockwork base; generally to walls	m2	9.00		
J	sides and soffits of beams	m2	105.00		
K	Vertical or battering sides of columns or the like	m2	37.00		
i	50 mm two coats work; to concrete or blockwork base; generally to floors, to falls crossfalls or sloping not exceeding 15	m2	160.00		

	degrees from horizontal				
ii	Skirtings; 150 mm high	m	61.00		
iii	Treads; 300 mm wide; one rounded nosing	m	7.00		
iv	Risers; 150 mm high; one coved junction with pavings	m	4.00		
1.i	Armstrong" or equal and approved acoustic suspended ceiling system 600 x 1200 mm grids recessed exposed grid system proprietary suspended acoustic tiles; matching edge trim; wire hangers fixing to background requiring plugging; internal including metal steel brandings; generally to ceilings	m2	185.00		
1.ii	Extra; access panels; metal framing all round; fixing with chromium plated screws and cup washers	No	9.00		
ELEMENT No.6	DOORS:				
4	WOOD WORK				
1	Prime quality hardwood Mkongo ,Paneled Doors, 50mm Thick paneled door; comprising of 100mm wide stiles and top rail; 150mm wide bottom rail ; 100mm intermediate rail; with 30mm thick solid panels, housed to stiles and rail.				
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 Approval"				
II	Supply and fix the following aluminium units ex-Italy or otherwise approved; complete with accessories for sliding/top hung to window, 8mm Thick toughened clear glass panel; Anodized aluminium framing (50x100mm Mullions and transomes) hammered finish;1.2-1.4mm thick; colour to be approved by the Architect; fixed to concrete/blockwork; all as per Architectural Drawings/Window Schedules:				
ELEMENT No. 14	FINISHING				
a)	INTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings)				

a)	Porcelain Tiles				
b)	EXTERNAL FINISHINGS				
i)	Floor finish: (Tiles, slab or block finishings).				
ELEMENT No. 15	PAINTING AND DECORATING				
a)	INTERNAL WORK:				
A	Walls over 300 mm wide	m2	9.00		
B	Sides and soffits of beams	m2	105.00		
C	Vertical or battering sides of columns or the like	m2	37.00		
i)	Painting and Decorations				
B	Steel trowelled rendered surfaces; external over 300 mm wide	M2	6.00		
b)	EXTERNAL WORK:				
i)	External Painting				
A	Walls over 300 mm wide	M2	9.00		
PART C2: Makorora Market-External works					
BILL No 3	MEASURED WORKS				
ELEMENT No.1	SUBSTRUCTURE (ALL PROVISIONAL)				
1	Excavation and Earthworks;				
A	SERIES 2000: DRAINAGE,Section 2100: Drains,Excavation for drains including trimming,Excavating soft material situated within the following depth ranges below the surface level:,0.5 m up to 1.5 m	M2	77.00		
B	Exceeding 1.5m and up to 3.0m	M2	10.00		
C	Section 2200: Prefabricated Culverts, Excavation,Excavation of soft material situated within the following depth ranges below the surface leve,0.5m to 1.5m	M3	54.00		
D	Exceeding 1.5 m and up to 3.0 m	M3	34.00		
E	Backfilling,Using excavated material	M3	22.00		
F	Using imported selected material	M3	40.00		
G	EARTHWORKS AND PAVEMENT LAYERS OF,Section 3100: Clearing, Grubbing and Removal of Clearing and grubbing , grubbing and removal of topsoil,	ha	2.00		
H	Removal of topsoil 150mm dept	M3	2,250.00		
I	Section 3600: Earthworks,Excavations:,Common excavation to spoil,(Material other than topsoil excavated from side drains and existing/new roadway which is not suitable for fill)	M3	1,276.00		
J	Fill and improved subgrade layers:,Improved subgrade layer as specified in the Drawings to require G15 quality material as minimum	M3	388.00		

K	Improved subgrade layer as specified in the Drawings to require G7 quality material as minimum	M3	388.00		
L	Fill as specified in the Drawings to require G3 quality material as minimum	M3	970.00		
M	Natural Gravel For Gravel Wearing Course and Unpaved Shoulders:,Natural Gravel Class G45	M3	59.00		
N	Section 5700: Landscaping and Grassing,Trimming,Machine trimmin	M2	1,000.00		
O	Hand trimming	M2	1,000.00		
P	Preparing the areas for grassing,Topsoiling within the road reserve, where the following materials are used,Topsoil obtained from within the road reserve or borrow areas	M3	47.00		
Q	Topsoil obtained from other sources	M3	20.00		
R	Grassing,Planting of grass cuttings (type of grass as instructed)	ha	0.50		
S	Watering, the grass weekly, when established by topsoiling only until the end of defect liability	ITEM	0.50		
T	Trees and shrubs,Providing the trees and shrubs (types as instructed)	NOS	40.00		
U	Planting and establishing:Trees at 25m spacing at locations instructed by the Engineer	NOS	40.00		
V	Shrubs at 25m spacing at locations instructed by the Engineer	NOS	45.00		
W	Weeding all grass-seeded areas and the grass weekly, when established by topsoiling only until the end of defect liability	ha	0.50		
5	Soil sterilization:				
A	Section 3800: Stabilisation,Chemical stabilisation, payment for full cost of providing:Stabilised Layer, Material Class C1 (200mm thick subbase),	M3	343.00		
B	Chemical stabilising agents:,Ordinary portland cement (for subbase)	tonne	25.00		
C	Crushed Aggregate Base CourseCrushed Aggregate Base, Class CRR 150mm	M3	342.85		
7	CONCRETE WORK:				
	Reinforced insitu concrete grade '25'; vibrated; including vibrating around reinforcements:				
A	Concrete Pipe Culvert,On Class A Bedding, 1/900mm diameter Concrete Class 20	M	60.00		
B	Cast in Situ Concrete including Formwork class F2 surface finish,In Class A bedding, screeds and the encasing for pipes including formwork (Class 20/19 concrete)	M3	8.64		
C	In Class 25/19 inlet and outlet structures, catchpits, manholes, thrust and anchor blocks, including formwork and Class U2	M3	12.00		

	surface finish				
D	Steel reinforcement:,(b)High-tensile steel bars (for inlet and outlet structures)	TONNE	4.00		
E	Service Ducts,Provide and construct service ducts,Provide & construct service ducts using Ordinary pipes (mPVC 300 mm dia.)	M	30.00		
F	Hand Excavation to determine the positions of existing services,Hand excavation to determine the position of existing services (Provisional	M3	200.00		
G	Section 2300: Concrete Kerbing, Concrete Channelling, Open Concrete Chutes and Concrete Linings for Open drains,(for Intermittent kerbs excluding gaps),450 x 150 Precast kerb (Concrete class 30/19) with cast in-situ Concrete Class 20/19 Hunching as shown in the drawing for Inner Side of road/Bus bays	M	1,428.00		
H	Inlet , Outlet, Transition and Similar Structures (Typical Designs),Access Slabs,(ii) 150mm thick Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	M2	100.00		
I	100mm thick Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	M2	80.00		
J	75mm thick Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	M2	100.00		
K	0mm thick Access Slabs Class 25/19 as per drawings or as instructed by the Engineer	M2	100.00		
L	Trimming of Excavation for Concrete Lined Drains,In soft material as defined in Clause 360	M2	280.00		
M	Concrete Lining for Drain,Cast in situ concrete lining Grade 20 to drains with Class U2 surface finish	M3	26.00		
N	Steel Reinforcement,Reinforcements for drains	TONNE	4.00		
0	Polyethylene sheeting (0.15mm thick)	M2	1,547.00		
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:				
C	12mm Diameter	Kg	1.00		
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	Section 2500: Pitching, Stonework and Protection Against Erosion,Block work for drains 230mm thick	M2	540.00		
B	Concrete Pitching and block paving,	M2	301.00		

	(200x100x60mm) 25Mpa Prefabricated concrete paving blocks for sidewalk pavement including 30mm Sand capping				
C	(200x100x80mm) 35Mpa Prefabricated concrete paving blocks for vehicular areas including 30mm Sand capping	M2	1,850.00		
ELEMENT No.8	PLUMBING AND ENGINEERING INSTALLATIONS				
1	SANITARY APPLIANCES				
A	ANCILLARY ROADWORKS,Section 5100: Marker and KilSection 5400: Road Signsometre Posts,Road sign ,Road Signs with reflective sheeting (Standard Aluminium 2.0mm thick, area not exceeding 2.0m2),Regulatory Signs (600mm)	No	6.00		
B	Warning Signs (600mm)	No	2.00		
C	(i) Information Signs (0-1m ²)	No	5.00		
D	i) Information Signs (1-2m ²)	NO	3.00		
E	Section 5600: Cattle Grids, Axle Weigh-Bridges and Street lights,Allow for Provision and Installation of Solar Street Lights to be done by Specialised Sub-Contractor (approx. 10 numbers) (plumbing ang engineering installations)	PS	1.00	45000000	45,000,000.00
F	Allow for contractor's overhead and profits as a percentage of above	%			
ELEMENT No. 15	PAINTING AND DECORATING				
a)	INTERNAL WORK:				
i)	Painting and Decorations				
A	Section 5500: Road White unbroken road marking lines 100mm wide (2mm thick)- Plastic Road Marking Material,	M	50.00		
B	White unbroken road marking lines 300mm wide (2mm thick)	M	50.00		
C	Yellow acoustic road marking lines 150mm wide at edges (2mm thick)	M	60.00		
D	White Lettering and Symbols	M2	10.00		
E	Traffic Island Markings	M2	10.00		
F	Setting out and premarking the lines	M	160.00		
Summary					
BILL No 3 MEASURED WORKS					0.00
BILL NO. 1 PRELIMINARIES AND GENERAL MATTERS					0.00
SERIES 2000 DRAINAGE					0.00
SERIES 3000 EARTHWORKS AND PAVEMENT LAYERS OF GRAVEL OR CRUSHED STONE					0.00

SERIES 5000 ANCILLARY ROADWORKS	0.00
BILL No 2 PRIME COST AND PROVISIONAL SUMS	0.00
BILL NO. 5 SCHEDULE OF DAYWORKS	0.00
A. Total of Bills	1,055,000,000.00
B. Less Specified Provisional Sum	1,055,000,000.00
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	1,055,000,000.00

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

<p>1. Definition</p>	<p>1.1</p>	<p>Boldface type is used to identify defined terms.</p> <p>(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.</p> <p>(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.</p> <p>(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.</p> <p>(d) Bank means the financing institution named in the PCC.</p> <p>(e) Bill of Quantities means the priced and completed Bill of Quantities forming part of the Bid.</p> <p>(f) Compensation Events are those defined in GCC Clause 42 hereunder.</p> <p>(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.</p> <p>(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.</p> <p>(i) The Contractor is the party whose Bid to carry out the Works has been accepted by the Employer.</p> <p>(j) The Contractor's Bid is the completed bidding document submitted by the Contractor to the Employer.</p> <p>(k) The Contract Price is the Accepted Contract Amount stated in the Letter of Acceptance and thereafter as adjusted in accordance with the Contract.</p> <p>(l) Days are calendar days; months are calendar months.</p> <p>(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.</p> <p>(n) A Defect is any part of the Works not completed in accordance with the Contract.</p> <p>(o) The Defects Liability Certificate is the certificate issued by Project Manager upon correction of defects by the Contractor.</p> <p>(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.</p> <p>(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.</p> <p>(r) The Employer is the party who employs the Contractor to carry out the Works, as specified in the PCC.</p> <p>(s) Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.</p> <p>(t) "In writing" or "written" means hand-written, type-written, printed or electronically made, and resulting in a permanent record;</p> <p>(u) The Initial Contract Price is the Contract Price listed in the Employer's Letter of Acceptance.</p> <p>(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.</p> <p>(w) Materials are all supplies, including consumables, used by the</p>
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		<p>Contractor for incorporation in the Works.</p> <p>(x) Plant is any integral part of the Works that shall have a mechanical, electrical, chemical, or biological function.</p> <p>(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.</p> <p>(z) PCC means Particular Conditions of Contract.</p> <p>(aa) The Site is the area defined as such in the PCC.</p> <p>(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.</p> <p>(cc) Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Project Manager.</p> <p>(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.</p> <p>(ee) A Subcontractor is 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.</p> <p>(ff) Temporary Works are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Works.</p> <p>(gg) A Variation is an instruction given by the Project Manager which varies the Works.</p> <p>(hh) The Works are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the PCC.</p> <p>(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.</p> <p>(jj) “Key Personnel” means the positions (if any) of the Contractor’s personnel that are stated in the Specification.</p> <p>(kk) “ES” means Environmental and Social (including Sexual Exploitation and Abuse (SEA), and Sexual Harassment (SH));</p> <p>(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;</p> <p>(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</p> <p>(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</p>
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		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 the Contract 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	Submission 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	<p>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:</p> <ul style="list-style-type: none"> (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). <p>If appropriate, the Contractor shall then promptly appoint (or cause to be appointed) a suitable replacement with equivalent skills and experience.</p> <p>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.</p>
	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	<p>Labor</p> <p>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.</p> <p>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.</p>

		<p>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.</p>
		<p>9.4.2 Conditions of Labor. The Contractor shall inform the Contractor's Personnel about:</p> <ul style="list-style-type: none"> (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. <p>The Contractor shall perform such duties in regard to such deductions thereof as may be imposed on him by such laws.</p> <p>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.</p>
		<p>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.</p>
		<p>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.</p>
		<p>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.</p>
		<p>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</p>

		<p>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.</p>
		<p>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.</p>
		<p>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.</p>
		<p>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.</p>
		<p>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.</p>
		<p>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.</p>
		<p>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.</p>
		<p>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.</p>
		<p>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.</p>
		<p>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</p>

		<p>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:</p> <ul style="list-style-type: none"> (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. <p>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.</p> <p>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.</p> <p>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</p>
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		<p>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).</p>
		<p>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.</p>
		<p>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.</p>
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	<p>From the Start Date until the Defects Liability Certificate has been issued, the following are Employer’s risks:</p> <p>(a) The risk of personal injury, death, or loss of or damage to property (excluding the Works, Plant, Materials, and Equipment), which are due to</p> <p>(i) use or occupation of the Site by the Works or for the purpose of the Works, which is the unavoidable result of the Works or</p> <p>(ii) negligence, breach of statutory duty, or interference with</p>

		<p>any legal right by the Employer or by any person employed by or contracted to him except the Contractor.</p> <p>(b) (The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Employer or in the Employer's design, or due to war or radioactive contamination directly affecting the country where the Works are to be executed.</p>
	11.2	<p>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</p> <p>(a) a Defect which existed on the Completion Date,</p> <p>(b) an event occurring before the Completion Date, which was not itself an Employer's risk, or</p> <p>(c) the activities of the Contractor on the Site after the Completion Date.</p>
12. Contractor's Risks	12.1	<p>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.</p>
13. Insurance	13.1	<p>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:</p> <p>(a) loss of or damage to the Works, Plant, and Materials;</p> <p>(b) loss of or damage to Equipment;</p> <p>(c) loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract; and</p> <p>(d) personal injury or death.</p>
	13.2	<p>Policies and certificates for insurances shall be delivered by the Contractor to the Project Manager for the Project Manager's approval before the Start Date. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.</p>
	13.3	<p>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.</p>
	13.4	<p>Alterations to the terms of an insurance shall not be made without the approval of the Project Manager.</p>
	13.5	<p>Both parties shall comply with any conditions of the insurance policies.</p>
14. Site Data	14.1	<p>The Contractor shall be deemed to have examined any Site Data referred to in the PCC, supplemented by any information available to the Contractor.</p>
15. Contractor to Construct the Works	15.1	<p>The Contractor shall construct and install the Works in accordance with the Specification and Drawings.</p>
	15.2	<p>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:</p> <p>(a) designing structural elements of the Works taking into account climate change considerations;</p> <p>(b) applying the concept of universal access (the concept of</p>

		<p>universal access means unimpeded access for people of all ages and abilities in different situations and under various circumstances; and</p> <p>(c) considering the incremental risks of the public's potential exposure to operational accidents or natural hazards, including extreme weather events.</p>
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	<p>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.</p> <p>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.</p>
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	<p>The Contractor shall:</p> <p>(a) comply with all applicable health and safety regulations and Laws;</p> <p>(b) comply with all applicable health and safety obligations specified in the Contract;</p> <p>(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;</p> <p>(d) keep the Site and Works clear of unnecessary obstruction so as to avoid danger to these persons;</p> <p>(e) provide fencing, lighting, safe access, guarding and watching of the Works until the issue of the Contract Certificate of Completion;</p> <p>(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</p>

		<p>public and of owners and occupiers of adjacent land;</p> <ul style="list-style-type: none"> (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. <p>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.</p> <p>The health and safety manual shall be in addition to any other similar document required under applicable health and safety regulations and laws.</p> <p>The health and safety manual shall set out all the health and safety requirements under the Contract,</p> <ul style="list-style-type: none"> (a) which shall include at a minimum: <ul style="list-style-type: none"> (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
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		<p>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);</p> <p>(iv) remedies for adverse impacts such as occupational injuries, deaths, disability and disease;</p> <p>(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,</p> <p>(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;</p> <p>(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</p> <p>(b) any other requirements stated in the Specification.</p>
	18.3	<p>Protection of the environment</p> <p>(a) The Contractor shall take all necessary measures to: protect the environment (both on and off the Site); and</p> <p>(b) limit damage and nuisance to people and property resulting from pollution, noise and other results of the Contractor's operations and/ or activities.</p> <p>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.</p> <p>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.</p>
19. Archaeological and Geological Findings	19.1	<p>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:</p> <p>(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;</p> <p>(b) train relevant Contractor's Personnel on appropriate actions to be taken in the event of such findings; and</p> <p>(c) implement any other action consistent with the requirements</p>

		<p>of the Specification and relevant laws.</p> <p>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.</p>
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

		<p>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</p>
	24.4	<p>The arbitration shall be conducted in accordance with the arbitration procedures published by the institution named and in the place specified in the PCC.</p> <p>The rules of procedure for arbitration proceedings to be specified in PCC will be as follows:</p> <p>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.</p> <p>For larger contracts with international contractors, it is recommended to select one institution among those listed below;</p> <p>“United Nations Commission on International Trade Law (UNCITRAL) Arbitration Rules:</p> <p>Any dispute, controversy, or claim arising out of or relating to this Contract, or breach, termination, or invalidity thereof, shall be settled by arbitration in accordance with the UNCITRAL Arbitration Rules as at present in force.”</p> <p>or</p> <p>“Rules of Conciliation and Arbitration of the International Chamber of Commerce (ICC):</p> <p>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.”</p> <p>or</p> <p>“Rules of Arbitration Institute of the Stockholm Chamber of Commerce:</p> <p>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.”</p> <p>or</p> <p>“Rules of the London court of International Arbitration:</p> <p>Any dispute arising out of or in connection with this</p>

		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	<p>The Contractor shall have a Code of Conduct for the Contractor's Personnel.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>The Contractor's Management Strategy and Implementation Plans shall include appropriate processes for the Contractor to verify compliance with these obligations.</p>
29. Security of the Site	29.1	<p>The Contractor shall be responsible for the security of the Site, and:</p> <ul style="list-style-type: none"> (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. <p>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.</p> <p>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.</p> <p>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.</p> <p>In making security arrangements, the Contractor shall also comply with any additional requirements stated in the Specifications.</p>

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	<p>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.</p> <p>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.</p> <p>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.</p>
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. Management Meetings	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 whether any work has a Defect and in the event the test shows that it does, the Contractor shall pay for the test and any samples thereof. If there is no Defect, the test shall be a Compensation Event.
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

<p>40. Contract Price</p>	<p>40.1</p>	<p>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.</p> <p>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.</p>
<p>41. Changes in the Quantities</p>	<p>41.1</p>	<p>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.</p> <p>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.</p>
	<p>41.2</p>	<p>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.</p>
<p>42. Variations</p>	<p>42.1</p>	<p>All Variations shall be included in updated Programs produced by the Contractor.</p> <p>In the lump-sum contracts, All Variations shall be included in updated Programs and Activity Schedules produced by the Contractor.</p>
	<p>42.2</p>	<p>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.</p>
	<p>42.3</p>	<p>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.</p>
	<p>42.4</p>	<p>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.</p>
	<p>42.5</p>	<p>The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning.</p>
	<p>42.6</p>	<p>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</p>

		<p>Contractor shall be in the form of new rates for the relevant items of work.</p> <p>In the lump-sum contracts, The Paragraph for GCC 42.6 above is not applicable.</p>
	42.7	<p>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;</p> <p>(a) the proposed change(s), and a description of the difference to the existing contract requirements;</p> <p>(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;</p> <p>(c) a description of any effect(s) of the change on performance/functionality; and</p> <p>(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.</p> <p>The Employer may accept the value engineering proposal if the proposal demonstrates benefits that:</p> <p>(a) accelerates the contract completion period; or</p> <p>(b) reduces the Contract Price or the life cycle costs to the Employer; or</p> <p>(c) improves the quality, efficiency, safety or sustainability of the Facilities; or</p> <p>(d) yields any other benefits to the Employer, without compromising the functionality of the Works.</p> <p>If the value engineering proposal is approved by the Employer and results in:</p> <p>(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</p> <p>(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.</p>
43. Cash Flow Forecasts	43.1	<p>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.</p> <p>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.</p>
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	<p>The value of work executed shall comprise the value of the quantities of work in the Bill of Quantities that have been completed.</p> <p>In the lump-sum contracts, “The value of work executed shall comprise the value of completed</p>

		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	<p>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:</p> <p>(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;</p> <p>(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;</p> <p>(c) failure to implement the C-ESMP e.g. failure to provide required training or sensitization;</p> <p>(d) failing to have appropriate consents/permits prior to undertaking Works or related activities;</p> <p>(e) failure to submit ES report/s (as described in Appendix B), or failure to submit such reports in a timely manner;</p> <p>(f) failure to implement remediation as instructed by the Project Manager within the specified timeframe (e.g. remediation addressing non-compliance/s).</p>
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	<p>The following shall be Compensation Events:</p> <p>(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.</p> <p>(b) The Employer modifies the Schedule of Other Contractors in a</p>

		<p>way that affects the work of the Contractor under the Contract.</p> <p>(c) The Project Manager orders a delay or does not issue Drawings, Specification, or instructions required for execution of the Works on time.</p> <p>(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.</p> <p>(e) The Project Manager unreasonably does not approve a subcontract to be let.</p> <p>(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.</p> <p>(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.</p> <p>(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.</p> <p>(i) The advance payment is delayed.</p> <p>(j) The effects on the Contractor of any of the Employer's Risks.</p> <p>(k) The Project Manager unreasonably delays issuing a Certificate of Completion.</p>
	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

		<p>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:</p> $P_c = A_c + B_c I_{mc}/I_{oc}$ <p>where: P_c is the adjustment factor for the portion of the Contract Price payable in a specific currency “c.” A_c and 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 I_{mc} is the index prevailing at the end of the month being invoiced and I_{oc} is the index prevailing 28 days before Bid opening for inputs payable; both in the specific currency “c.”</p>
	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: <ul style="list-style-type: none"> (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	<p>To this end, the Bank:</p> <p>a. Defines, for the purposes of this provision, the terms set forth below as follows:</p> <p>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;</p> <p>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;</p> <p>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;</p> <p>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;</p> <p>v. "obstructive practice" is:</p> <p style="padding-left: 40px;">(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</p> <p style="padding-left: 40px;">(b) acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under paragraph 2.2 e. below.</p> <p>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;</p> <p>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;</p> <p>d. Pursuant to the Bank's Anti- Corruption Guidelines and in accordance</p>

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
Environmental and Social (ES)
Metrics for Progress Reports**

<p>1. Metrics for Regular Reporting</p>	<p>1.1</p>	<p><i>Metrics for regular reporting:</i></p> <p><i>a. environmental incidents or non-compliance with contract requirements, including contamination, pollution or damage to ground or water supplies;</i></p> <p><i>b. health and safety incidents, accidents, injuries that require treatment, and all fatalities;</i></p> <p><i>c. interactions with regulators: identify agency, dates, subjects, outcomes (report the negative if none);</i></p> <p><i>d. status of all permits and agreements:</i></p> <p>i. work permits: number required, number received, actions taken for those not received;</p> <p>ii. status of permits and consents:</p> <p> § 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.);</p> <p> § list areas with landowner agreements required (borrow and spoil areas, camp sites), dates of agreements, dates submitted to resident engineer (or equivalent);</p> <p> § 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);</p> <p> § for quarries: status of relocation and compensation (completed, or details of activities and current status in the reporting period).</p> <p><i>e. health and safety supervision:</i></p> <p> i. safety officer: number days worked, number of full inspections & partial inspections, reports to construction/project management;</p> <p> 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);</p> <p><i>f. worker accommodations:</i></p> <p> i. number of expats housed in accommodations, number of locals;</p> <p> 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.;</p> <p> iii. actions taken to recommend/require improved conditions, or to improve conditions.</p> <p><i>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);</i></p>
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		<p><i>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></p> <p><i>i. training:</i></p> <p>i. number of new workers, number receiving induction training, dates of induction training;</p> <p>ii. number and dates of toolbox talks, number of workers receiving Occupational Health and Safety (OHS), environmental and social training;</p> <p>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.</p> <p>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.</p> <p><i>j. environmental and social supervision:</i></p> <p>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;</p> <p>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</p> <p>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.</p> <p><i>k. Grievances:</i> 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):</p> <p>i. Worker grievances;</p> <p>ii. Community grievances</p> <p><i>l. Traffic, road safety and vehicles/equipment:</i></p> <p>i. traffic and road safety incidents and accidents involving project vehicles & equipment: provide date, location, damage, cause, follow-up;</p>
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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 bowzers, 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

		<p>action plan: statement of compliance or listing of issues and actions taken (or to be taken) to reach compliance</p> <p>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</p> <p>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.</p>
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**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 on behalf 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 representative of 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: TANGA CITY COUNCIL Employer's Address: P.O BOX 178 TANGA Employer's Authorized Representative: City Director, Tanga City 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 Tanga City and is defined in drawings No. 4.
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: (i) Construction of Deep-Sea Market (ii) Construction of Makorora Market (iii) Redevelopment of Raskazone Beach 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 in Tanga City, Package 1 in Korogwe Town, Package 1 in Moshi Municipality, Package 1 in Babati Town, Package 1 in Singida Municipality, 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	5.1	Not Applicable

Manager's Duties			
13.	Schedule of Other Contractors	8.1	Not Applicable
14.	Minimum Insurance covers	13.1	<p>The minimum insurance amounts and deductibles shall be:</p> <p>a) For loss of or damage to the Works, Plant, and Materials The Tanzanian Shilling and The United States dollar 650,000,000.</p> <p>b) For loss of or damage to Equipment The Tanzanian Shilling and The United States dollar 92,000,000.00</p> <p>c) For loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract The Tanzanian Shilling and The United States dollar 180,000,000.00</p> <p>d) For personal injury or death:</p> <p style="padding-left: 40px;">i) of the contractor's employee The Tanzanian Shilling and The United States dollar 110,000,000.00</p> <p style="padding-left: 40px;">ii) of other people The Tanzanian Shilling and The United States dollar 110000000</p>
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: National Construction Council (NCC).
18.	Adjudicator's Hourly Rate and Reimbursable fees	24.3	Adjudicator's Hourly rate shall be 200,000.00 and types of reimbursable expenses to be paid 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 Shilling and The United States dollar20,000,000.00. 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.
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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	<p>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.</p> <p>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.</p>
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 [insert address of Purchaser](hereinafter called “the Purchaser”), of the one part, and

(2) [insert name 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. In consideration of the payments to be made by the Purchaser to the Supplier as specified in this Agreement, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects 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 in accordance with the laws of Tanzania on the day, month and year indicated above.

SIGNED, SEALED AND DELIVERED FOR AND ON BEHALF OF:

THE PROCURING ENTITY

Name:

(Authorized Representative)

Designation:

Signature:

Date:

THE CONTRACTOR

Name:

(Authorized Representative)

Designation:

Signature:

Date:

WITNESS

Name:

Designation:

WITNESS

Name:

Designation:

Signature:.....

Signature:.....

PERFORMANCE BANK GUARANTEE [UNCONDITIONAL]

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

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

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

Date: *[insert date]*

PERFORMANCE GUARANTEE No.: *[insert Performance Guarantee number]*

We have been informed that *[insert name of Contractor]* (hereinafter called "the Contractor") has been awarded Contract No. *[insert reference number of the Contract]* dated *[insert date]* with you, for the execution of *[insert name of Contract and brief description of Works]* (hereinafter called "the Contract").

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

At the request of the Contractor, we *[insert name of Bank]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[insert amount in figures]* (*[insert amount in words]*), such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire no later than twenty-eight days from the date of issuance of the Taking-Over Certificate, calculated based on a copy of such Certificate which shall be provided to us, or on the *[insert number]* day of *[insert month]*, *[insert year]*, whichever occurs first. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

[signature(s) of an authorized representative(s) of the Bank]

[seal of the Bank]

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

PERFORMANCE BOND

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

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

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

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

- (1) complete the Contract in accordance with its terms and conditions; or
- (2) obtain a Tender or Tenders from qualified Tenderers for submission to the Employer for completing the Contract in accordance with its terms and conditions, and upon determination by the Employer and the Surety of the lowest responsive Tenderer, arrange for a Contract between such Tenderer and Employer and make available as work progresses (even though there should be a default or a succession of defaults under the Contract or Contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract Price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term "Balance of the Contract Price," as used in this paragraph, shall mean the total amount payable by the Employer to the Contractor under the Contract, less the amount properly paid by the Employer to the Contractor; or
- (3) pay the Employer the amount required by the Employer to complete the Contract in accordance with its terms and conditions up to a total not exceeding the amount of this Bond.

The Surety shall not be liable for a greater sum than the specified penalty of this Bond.

Any suit under this Bond must be instituted before the expiration of one year from the date of issuance of the Certificate of Completion.

No right of action shall accrue on this Bond to or for the use of any person or corporation other than the Employer named herein or the heirs, executors, administrators, successors, and assigns of the Employer.

In testimony whereof, the Contractor has hereunto set its hand and affixed its seal, and the Surety has caused these presents to be sealed with its corporate seal duly attested by the signature of its legal representative, this *[insert day]* day of *[insert month]*, *[insert year]*.

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 the Applicant, 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 the Contract 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:

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 CC Clause 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 for a 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 the Guarantor 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 *[insert amount 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's bank]*.

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 payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that ninety (90) percent of the Accepted Contract Amount, has been certified for payment, or on the *[insert day]* day of *[insert month]*, 2 *[insert year]*, whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

This guarantee is subject to the Uniform 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 the advance payment and denominated either in the currency(ies) of the advance payment as specified in the Contract, or in a freely convertible currency acceptable to the Purchaser.*