

BIDDING DOCUMENTS

Issued on 25 October 2023

for

INFRASTRUCTURE WORKS

FOR

NEW RESIDENTIAL

MORCELLEMENT

AT COTE D'OR

Procurement Reference No.: LM-CD-OC23-11

Employer: Landscape (Mauritius) Ltd

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PART 1 – BIDDING PROCEDURES

Section I. Instructions to Bidders

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Section I. Instructions to Bidders

A. General

1. **Scope of Bid**
 - 1.1 In connection with the Invitation for Bids indicated in the Bid Data Sheet (BDS), Landscape (Mauritius) Ltd, herein after also referred to as the Employer, as indicated in the BDS, issues these Bidding Documents for the procurement of Works as specified in Section V, Works Requirements. The name, identification, and number of lots (contracts) of the Open Advertised Bidding (open for local contractors) also referred to (OAB) **as provided in the BDS.**
 - 1.2 Throughout these Bidding Documents:
 - (a) the term “in writing” means communicated in written form and delivered against receipt;
 - (b) except where the context requires otherwise, words indicating the singular also include the plural and words indicating the plural also include the singular; and
 - (c) “day” means calendar day.
2. **Source of Funds**
 - 2.1 The Works shall be financed by the Employer’s own budgetary allocation, unless otherwise stated in the BDS.
3. **Public Entities Related to Bidding Documents & Challenge & Appeal**

Not Applicable
4. **Fraud and Corruption**
 - 4.1 It is the policy of the Government of the Republic of Mauritius to require Employer, as well as bidders, suppliers, and contractors and their agents (whether declared or not), personnel, subcontractors, sub-consultants, service providers and suppliers, observe the highest standard of ethics during

the procurement and execution of contracts. ¹ In pursuance of this policy, the Government of the Republic of Mauritius:

- (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 party²;
 - (ii) “fraudulent practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;³
 - (iii) “collusive practice” is an arrangement between two or more parties⁴ 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 party⁵ or the property of the party to influence improperly the actions of a party;
 - (v) “obstructive practice” is
 - (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede the Employer’s investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from

¹ In this context, any action taken by a bidder, supplier, contractor, or any of its personnel, agents, sub-consultants, sub-contractors, service providers, suppliers and/or their employees to influence the procurement process or contract execution for undue advantage is improper.

² “Another party” refers to a public official acting in relation to the procurement process or contract execution. In this context, “public official” includes Employer’s staff and employees of other organizations taking or reviewing procurement decisions.

³ “Party” refers to a public official; the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.

⁴ “Parties” refers to participants in the procurement process (including public officials) attempting to establish bid prices at artificial, non competitive levels.

⁵ “Party” refers to a participant in the procurement process or contract execution.

disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or

- (bb) acts intended to materially impede the exercise of the Employer's inspection and audit rights provided for under sub-clause 4.2 below.
 - (b) will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in question; and
 - (c) will sanction a firm or an individual, at any time, in accordance with prevailing legislations, including by publicly declaring such firm or individual ineligible, for a stated period of time: (i) to be awarded a public contract; and (ii) to be a nominated^b sub-contractor, consultant, manufacturer or supplier, or service provider of an otherwise eligible firm being awarded a public contract.
- 4.2 In further pursuance of this policy, Bidders shall permit the Employer to inspect any accounts and records and other documents relating to the Bid submission and contract performance, and to have them audited by auditors appointed by the Employer.
- 4.3 Bidders, suppliers and Public officials shall also be aware of the provisions stated in sections 51 and 52 of the Public Procurement Act which can be consulted on the website of the Procurement Policy Office (PPO): ppo.govmu.org
- 4.4 The Employer commits itself to take all measures necessary to prevent fraud and corruption and ensures that none of its staff, personally or through his/her close relatives or through a third party, will in connection with the bid for, or the execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or immaterial benefit which he/she is not legally entitled to. If the Employer obtains information on the conduct of any of its employees which is a criminal offence under the relevant

^b A nominated sub-contractor, consultant, manufacturer or supplier, or service provider (different names are used depending on the particular bidding document) is one which either 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 are accounted for in the evaluation of the bidder's pre-qualification application or the bid; or (ii) appointed by the Employer.

Anti-Corruption Laws of Mauritius or if there be a substantive suspicion in this regard, he will inform the relevant authority(ies)and in addition can initiate disciplinary actions.Furthermore, such bid shall be rejected.

5. Eligible Bidders

- 5.1 (a) In accordance with CIDB Act 2008, Contractors and Sub-contractors, whether local or foreign under an existing or intended joint venture operating in the construction industry have the statutory obligation to be registered with the Construction Industry Development Board (CIDB), as appropriate, prior to bidding for the project.
- (b) Bidders are strongly advised to consult the website of the CIDB cidb.govmu.org for further details concerning registration of contractors.
- 5.2 A Bidder may be a natural person, private entity, government-owned entity—subject to ITB 5.6—or any combination of such entities in the form of a joint venture or association (JVA) 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 or association:
- (a) **unless otherwise specified in the BDS**, all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms, and
- (b) the JVA shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the partners of the JVA during the bidding process and, in the event the JVA is awarded the Contract, during contract execution.
- 5.3 A Bidder, and all partners constituting the Bidder, may have the nationality of any country. A Bidder shall be deemed to have the nationality of a country if the Bidder is a citizen or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of that country. This criterion shall also apply to the determination of the nationality of proposed subcontractors or suppliers for any part of the Contract including related Services.
- 5.4 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 with one or more parties in this bidding process, if :
- (a) they have at least one controlling partner in common; or

- (b) they receive or have received any direct or indirect subsidy from any of them; or
 - (c) they have the same legal representative for purposes of this bid; or
 - (d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder, or influence the decisions of the Employer regarding this bidding process; or
 - (e) a Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which such Bidder is involved. However, this does not limit the inclusion of the same subcontractor in more than one bid; or
 - (f) a Bidder participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the bid;
 - (g) a Bidder or any of its affiliates has been hired (or is proposed to be hired) by the Employer as Engineer for the Contract implementation.
- 5.5 (a) A firm that has been sanctioned by the Government of the Republic of Mauritius in accordance with the above ITB 4.1 (c) shall be ineligible to be awarded a public contract, or benefit from a public contract during such period of time as determined by the Procurement Policy Office.
- (b) A firm that is under a declaration of ineligibility by the Government of Mauritius in accordance with applicable laws at the date of the deadline for bid submission and thereafter shall be disqualified.
- (c) Bids from contractors appearing on the ineligibility lists of African Development Bank, Asian Development Bank, European Bank for Reconstruction and Development, Inter-American Development Bank Group and World Bank Group shall be rejected.

Links for checking the ineligibility lists are available on the PPO's website: ppo.govmu.org

- 5.6 Government-owned entities in the Republic of Mauritius shall be eligible only if they can establish that they are legally and financially autonomous and operate under commercial law. Also, they shall not be dependent agencies of the Employer.
- 5.7 Bidders shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.
- 5.8 Bidders shall be excluded if:
- (h) as a matter of law or official regulation, the Republic of Mauritius prohibits commercial relations with that country; or
 - (i) 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 Republic of Mauritius prohibits any import of goods or contracting of Works or services from that country or any payments to persons or entities in that country.
- 5.9 This bidding is open only to prequalified Bidders, if it follows an open advertised prequalification.
- 6. Eligible Materials, Equipment, and Services**
- 6.1 The materials, equipment and services to be supplied under the Contract may have their origin in any country. At the Employer's request, Bidders may be required to provide evidence of the origin of materials, equipment and services.

B. Contents of Bidding Documents

- 7. Sections of Bidding Documents**
- 7.1 The Bidding Documents consist of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITB 9.

PART 1 Bidding Procedures

- Section I. Instructions to Bidders (ITB)
- Section II. Bid Data Sheet (BDS)
- Section III. Evaluation and Qualification Criteria
- Section IV. Bidding Forms

PART 2 Works Requirements

- Section V. Works Requirements

PART 3 Conditions of Contract and Contract Forms

- Section VI. General Conditions (GC)

- Section VII. Particular Conditions (PC)
- Section VIII. Annex to the Particular Conditions - Contract Forms

- 7.2 The Invitation for Bids issued by the Employer is not part of the Bidding Documents.
- 7.3 The Employer is not responsible for the completeness of the Bidding Documents and their addenda, if they were not obtained directly from the source stated by the Employer in the Invitation for Bids.
- 7.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Documents may result in the rejection of the bid.

8. Clarification of Bidding Documents, Site Visit, Pre-Bid Meeting

- 8.1 A prospective Bidder requiring any clarification of the Bidding Documents shall contact the Employer in writing at the Employer's address **indicated in the BDS** or raise his enquiries during the pre-bid meeting if provided for in accordance with ITB 8.4. The Employer will respond in writing to any request for clarification, provided that such request is received no later than fourteen (14) days prior to the deadline for submission of bids. The Employer shall respond to such request at latest 7 days prior to the deadline set for submission of bids and forward copies of its response to all Bidders who have acquired the Bidding Document in accordance with ITB 7.3, including a description of the inquiry but without identifying its source. Should the clarification result in changes to the essential elements of the Bidding Documents, the Employer shall amend the Bidding Documents following the procedure under ITB 9 and ITB 23.2.
- 8.2 The Bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the Bidder's own expense.
- 8.3 The Bidder and any of its personnel or agents will be granted permission by the Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the Bidder, its personnel, and agents will release and indemnify the Employer and its personnel and agents from and against all liability in respect thereof, and

will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.

- 8.4 The Bidder's designated representative is invited to attend a pre-bid meeting, **if provided for in the BDS**. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 8.5 The Bidder is requested, as far as possible, to submit any questions in writing, to reach the Employer not later than one week before the meeting.
- 8.6 Minutes of the pre-bid meeting, including the text of the questions raised, 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 Documents in accordance with ITB 7.3. Any modification to the Bidding Documents 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 9 and not through the minutes of the pre-bid meeting.
- 8.7 Nonattendance at the pre-bid meeting will not be a cause for disqualification of a Bidder.

9. Amendment of Bidding Documents

- 9.1 At any time prior to the deadline for submission of bids, the Employer may amend the Bidding Documents by issuing addenda.
- 9.2 Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have obtained the Bidding Document from the Employer in accordance with ITB 7.3.
- 9.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer should extend the deadline for the submission of bids, pursuant to ITB 23.2

C. Preparation of Bids

10. Cost of Bidding

- 10.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Employer shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

- 11. Language of Bid**
- 11.1 The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Employer, shall be written in English. 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 English, in which case, for purposes of interpretation of the Bid, such translation shall govern.
- 11.2 Notwithstanding the above, documents in French submitted with the bid may be accepted without translation.
- 12. Documents
Comprising the Bid**
- 12.1 The Bid shall comprise the following:
- (a) Bid Submission Form and Appendix to Bid
 - (b) completed schedules as required, including priced Bill of Quantities, in accordance with ITB 13 and 15;
 - (c) Bid Security, in accordance with ITB 20;
 - (d) alternative bids, if permissible, in accordance with ITB 14;
 - (e) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 21.2;
 - (f) documentary evidence in accordance with ITB 18 establishing the Bidder's continued qualified status or, if post-qualification applies, as indicated in accordance with ITB 5.8, the Bidder's qualifications to perform the contract if its Bid is accepted;
 - (g) Technical Proposal in accordance with ITB 17; and
 - (h) any other document required in the BDS.
- 12.2 In addition to the requirements under ITB 12.1, bids submitted by a JVA shall include a copy of the Joint Venture Agreement entered into by all partners. Alternatively, a Letter of Intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all partners and submitted with the bid, together with a copy of the proposed agreement.
- 13. Bid Submission
Form and
Schedules**
- 13.1 The Bid Submission Form and Schedules, including the Bill of Quantities, 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 21.2. All blank spaces shall be filled in with the information requested.

14. Alternative Bids

- 14.1 **Unless otherwise indicated in the BDS**, alternative bids shall not be considered.
- 14.2 When alternative times for completion are explicitly invited, a statement to that effect **will be included in the BDS**, as will the method of evaluating different times for completion.
- 14.3 Except as provided under ITB 14.4 below, Bidders wishing to offer technical alternatives to the requirements of the Bidding Documents must first price the Employer's design as described in the Bidding Documents 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 lowest evaluated Bidder conforming to the basic technical requirements shall be considered by the Employer.
- 14.4 **When specified in the BDS**, Bidders are permitted to submit alternative technical solutions for specified parts of the Works, and such parts **will be identified in the BDS**, as will the method for their evaluating, and described in Section V, Work's Requirements.

15. Bid Prices and Discounts

- 15.1 The prices and discounts quoted by the Bidder in the Bid Submission Form and in the Bill of Quantities shall conform to the requirements specified below.
- 15.2 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 Public body when executed and shall be deemed covered by the rates for other items and prices in the Bill of Quantities.
- 15.3 The price to be quoted in the Bid Submission Form, in accordance with ITB 13.1, shall be the total price of the Bid, excluding any discounts offered.
- 15.4 The Bidder shall quote any unconditional discounts and the methodology for their application in the Bid Submission Form, in accordance with ITB 13.1.
- 15.5 **Unless otherwise provided in the BDS** and the Contract, the rates and 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. In such a case, the Bidder shall furnish the indices and weightings for the price adjustment formulae in the Schedule of Adjustment Data and the Employer may require the Bidder to justify its proposed indices and weightings.

- 15.6 If so indicated in ITB 1.1, bids are being invited for individual lots (contracts) or for any combination of lots (packages). Bidders wishing to offer any price reduction 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. Price reductions or discounts shall be submitted in accordance with ITB 15.4, provided the bids for all lots (contracts) are submitted and opened at the same time.
- 15.7 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.
- 15.8 The bidder shall submit his bid price exclusive of VAT.

16. Currencies of Bid and Payment

- 16.1 The currency(ies) of the bid and the currency(ies) of payments shall be **as specified in the BDS**.
- 16.2 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 the Schedule of Adjustment Data in the Appendix to Bid are reasonable, in which case a detailed breakdown of the foreign currency requirements shall be provided by Bidders.

17. Documents Comprising the Technical Proposal

- 17.1 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, in sufficient detail to demonstrate the adequacy of the Bidders' proposal to meet the work requirements and the completion time and **as otherwise stated in the BDS**.

18. Documents Establishing the Qualifications of the Bidder

- 18.1 In accordance with Section III, Evaluation and Qualification Criteria, to establish that the Bidder continues to meet the criteria used at the time of prequalification, the Bidder shall provide in the corresponding information sheets included in Section IV, Bidding Forms, updated information on any assessed aspect that changed from that time, or if post-

qualification applies as indicated in accordance with ITB 5.8, the Bidder shall provide the information requested in the corresponding information sheets included in Section IV, Bidding Forms.

18.2 If a margin of preference applies as indicated in accordance with ITB 34.1, domestic Bidders, individually or in joint ventures, applying for eligibility for domestic preference shall supply all information required to satisfy the criteria for eligibility indicated in accordance with ITB 34.1.

19. Period of Validity of Bids

19.1 Bids shall remain valid for the period **specified in the BDS** after the bid submission deadline date prescribed by the Employer in accordance with ITB 23.1. A bid valid for a shorter period shall be rejected by the Employer as non responsive.

19.2 In exceptional circumstances, prior to the expiration of the bid validity period, 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 20, it shall also be extended for thirty (30) days beyond the deadline of the extended validity period. 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 19.3.

19.3 If the award is delayed by a period exceeding fifty-six (56) days beyond the expiry of the initial bid validity, the Contract price shall be determined as follows:

(a) In the case of fixed price contracts, the Contract price shall be the bid price adjusted by the factor **specified in the BDS**.

(b) In the case of adjustable price contracts, to determine the Contract price, the fixed portion of the bid price shall be adjusted by the factor **specified in the BDS**.

(c) In any case, bid evaluation shall be based on the bid price without taking into consideration the applicable correction from those indicated above.

20. Bid Security

20.1 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**.

- 20.2 In case a Bid Securing Declaration is used it shall be in the form of a subscription in the Bid Submission Form as an undertaking on the part of the Bidder to fulfill its obligation in the same manner as applicable to the Bid Security.
- 20.3 If a bid security is specified as per ITB 20.1 it shall be in the form of an unconditional bank/insurance guarantee issued by a reputable overseas bank from an eligible country or any commercial bank/insurance company operating in Mauritius. The bid security shall be submitted using the Bid Security Form included in Section IV, Bidding Forms. The bid security shall be valid for thirty (30) days beyond the original validity period of the bid, or beyond any period of extension if requested under ITB 19.2.
- 20.4 If a bid security is specified pursuant to ITB 20.1, any bid not accompanied by an enforceable and compliant bid security or a subscription in the Bid Securing declaration, as applicable, shall be rejected by the Employer as non responsive.
- 20.5 If a bid security is specified pursuant to ITB 20.1, the bid security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the performance security pursuant to ITB 42.
- 20.6 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.
- 20.6 The bid security may be forfeited or the Bid Securing declaration executed:
- (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Form or
 - (b) refuses to accept a correction of an error appearing on the face of the Bid, or
 - (c) if the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB 41; or
 - (ii) furnish a performance security in accordance with ITB 42.
- 20.7 The bid security or the Bid-Securing Declaration of a JVA shall be in the name of the JVA that submits the bid. If the JVA has not been legally constituted into a legally

enforceable JVA at the time of bidding, the bid security or the Bid-Securing Declaration shall be in the names of all future partners as named in the letter of intent referred to in ITB 5.2.

- 20.8 If a bid security is **not required in the BDS** pursuant to ITB 20.1, and
- (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Form Form, except as provided in ITB 18.2, or
 - (b) if the successful Bidder fails to sign the Contract in accordance with ITB 40; or furnish a performance security in accordance with ITB 41;

the Employer may declare the Bidder disqualified to be awarded a contract by the Employer for a period of time to be determined by the Procurement Policy Office following a proposal for disqualification by the Employer.

21. Format and Signing of Bid

- 21.1 The Bidder shall prepare one original of the documents comprising the bid as described in ITB 12 and clearly mark it "ORIGINAL." Alternative bids, if permitted in accordance with ITB 14, shall be clearly marked "ALTERNATIVE." In addition, the Bidder shall submit copies of the bid, in the number **specified in the BDS** and clearly mark them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.
- 21.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder, **as specified in the BDS**. All pages of the bid where entries or amendments have been made shall be signed or initialed by the person signing the bid.
- 21.3 A bid submitted by a JVA shall comply with the following requirements:
- (a) Unless not required in accordance with ITB 5.2 (a), be signed so as to be legally binding on all partners and
 - (b) Include the Representatives's authorization referred to in ITB 5.2 (b), consisting of a power of attorney signed by those legally authorized to sign on behalf of the JVA.
- 21.4 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

22. Sealing and Marking of Bids

22.1 The Bidder shall enclose the original and all copies of the bid, including alternative bids, if permitted in accordance with ITB 14, in separate sealed envelopes, duly marking the envelopes as “ORIGINAL”, “ALTERNATIVE” and “COPY.” These envelopes containing the original and the copies shall then be enclosed in one single envelope.

22.2 The inner and outer envelopes shall:

- (a) bear the name and address of the Bidder;
- (b) be addressed to the Employer in accordance with ITB 23.1;
- (c) bear the specific identification of this bidding process indicated in the BDS 1.1; and
- (d) bear a warning not to open before the time and date for bid opening.

22.3 If all envelopes are not sealed and marked as required, the Employer will assume no responsibility for the misplacement or premature opening of the bid.

23. Deadline for Submission of Bids

23.1 Bids must be received by the Employer at the address and no later than the date and time **indicated in the BDS**. **When so specified in the BDS**, bidders shall have the option of submitting their bids electronically. Bidders submitting bids electronically shall follow the electronic bid submission procedures **specified in the BDS**.

23.2 The Employer may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB 9, 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.

24. Late Bids

24.1 The Employer shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB 23. Any bid received by the Employer after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.

25. Withdrawal, Substitution, and

25.1 A Bidder may withdraw, substitute, or modify its bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the

Modification of Bids

authorization in accordance with ITB 21.2, (except that withdrawal notices do not require copies). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:

- (a) prepared and submitted in accordance with ITB 21 and ITB 22 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," "MODIFICATION;" and
- (b) received by the Employer prior to the deadline prescribed for submission of bids, in accordance with ITB 23.

25.2 Bids requested to be withdrawn in accordance with ITB 25.1 shall be returned unopened to the Bidders.

25.3 No bid may be withdrawn, substituted, 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 Submission Form or any extension thereof.

26. Bid Opening

26.1 The Employer shall open the bids in the presence of Bidders' designated representatives who choose to attend at the address, date and time **specified in the BDS**. Any specific electronic bid opening procedures required if electronic bidding is permitted in accordance with ITB 23.1, shall be **as specified in the BDS**.

26.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening. Next, envelopes marked "SUBSTITUTION" shall be opened and read out and exchanged with the corresponding bid being substituted, and the substituted bid shall not be opened, but returned to the Bidder. No bid substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at bid opening. Envelopes marked "MODIFICATION" shall be opened and read out with the corresponding bid. No bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at bid opening. Only bids that are

opened and read out at bid opening shall be considered further.

- 26.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the Bid Price(s), including any discounts and alternative offers; the presence or absence of a bid security/subscription to Bid Securing Declaration as applicable; and any other details as the Employer may consider appropriate. Only discounts and alternative offers read out at bid opening shall be considered for evaluation. **If so requested by the Employer in the BDS**, the Bid Submission Form and the Bill of Quantities are to be initialed by representatives of the Employer attending bid opening in the manner indicated in the BDS. No bid shall be rejected at bid opening except for late bids, in accordance with ITB 24.1.
- 26.4 The Employer shall prepare a record of the bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; the Bid Price, per lot if applicable, including any discounts and alternative offers; the presence or absence of a bid security/subscription to Bid Securing Declaration as applicable. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record.

E. Evaluation and Comparison of Bids

27. Confidentiality

- 27.1 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 such process until information on Contract award is communicated to all Bidders.
- 27.2 Any attempt 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.

28. Clarification of Bids

- 28.1 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. 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 in the prices or substance of the bid shall be sought, offered, or permitted, except to confirm the

correction of arithmetic errors discovered by the Employer in the evaluation of the bids, in accordance with ITB 32.

28.2 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.

**29. Deviations,
Reservations, and
Omissions**

29.1 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.

**30. Determination of
Responsiveness**

30.1 The Employer's determination of a bid's responsiveness is to be based on the contents of the bid itself, as defined in ITB12.

30.2 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.

30.3 The Employer shall examine the technical aspects of the bid submitted in accordance with ITB 17, Technical Proposal, in particular, to confirm that all requirements of Section V, Works Requirements have been met without any material deviation, reservation or omission.

30.4 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.

**31. Nonmaterial
Nonconformities**

31.1 Provided that a bid is substantially responsive, the Employer may waive any nonconformities in the bid that do not constitute a material deviation, reservation or omission.

31.2 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.

31.3 Provided that a bid is substantially responsive, the Employer shall rectify quantifiable nonmaterial nonconformities related to the Bid Price. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component. The adjustment shall be made using the method indicated in Section III, Evaluation and Qualification Criteria.

**32. Correction of
Arithmetical
Errors**

32.1 Provided that the bid is substantially responsive, the Employer shall correct arithmetical errors on the following basis:

(a) if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Employer there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;

(b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and

(c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

**33. Conversion to
Single Currency**

33.1 For evaluation and comparison purposes, the currency(ies) of the bid shall be converted into a single currency **as specified**

in the BDS. For the purpose of evaluating and comparing bids, when bid prices are expressed in many currencies, the bid prices of all bids shall be converted to a single currency, **as specified in the BDS**, and according to the exchange rates prevalent on the day of opening of the bids as obtained from the Central Bank of Mauritius or from internationally reputed news media.

34. Margin of Preference

34.1 Unless otherwise specified in the BDS, Margin of Preference shall not apply.

35. Evaluation of Bids

35.1 The Employer shall use the criteria and methodologies listed in this Clause. No other evaluation criteria or methodologies shall be permitted.

35.2 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, but including Daywork items, where priced competitively;

(b) price adjustment for correction of arithmetic errors in accordance with ITB 32.1;

(c) price adjustment due to discounts offered in accordance with ITB 15.3;

(d) converting the amount resulting from applying (a) to (c) above, if relevant, to a single currency in accordance with ITB 33;

(e) price adjustment due to quantifiable nonmaterial nonconformities in accordance with ITB 31.3;

(f) the evaluation factors indicated in Section III, Evaluation and Qualification Criteria;

35.3 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.

35.4 If these Bidding Documents allows Bidders to quote separate prices for different lots (contracts), and the award to a single Bidder of multiple lots (contracts), the methodology to determine the lowest evaluated price of the lot (contract) combinations, including any discounts offered in the Bid

Submission Form Form, is specified in Section III, Evaluation and Qualification Criteria.

35.5 If the bid, which results in the lowest Evaluated Bid Price, is seriously unbalanced or front loaded in the opinion of the Employer, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, taking into consideration the schedule of estimated Contract payments, the Employer may require that the amount of the performance security be increased at the expense of the Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.

36. Comparison of Bids 36.1 The Employer shall compare all substantially responsive bids in accordance with ITB 35.2 to determine the lowest evaluated bid.

37. Qualification of the Bidder 37.1 The Employer shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid either continues to meet (if prequalification applies) or meets (if postqualification applies) the qualifying criteria specified in Section III, Evaluation and Qualification Criteria.

37.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 18.1.

37.3 An affirmative determination 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 next lowest evaluated bid to make a similar determination of that Bidder's qualifications to perform satisfactorily.

38. Employer's Right to Accept Any Bid, and to Reject Any or All Bids 38.1 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.

F. Award of Contract

- 39. Award Criteria** 39.1 Subject to ITB 38.1, the Employer shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Document, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.
- 40. Notification of Award** 40.1 Prior to the expiration of the period of bid validity, the Employer shall, for contract amount above the prescribed threshold, notify the selected bidder of the proposed award and accordingly notify unsuccessful bidders. Subject to Challenge and Appeal the Employer shall notify the selected Bidder, in writing, by a Letter of Acceptance for award of contract. The Letter of Acceptance shall specify the sum that the Employer will pay the Contractor in consideration of the execution and completion of the Works (hereinafter and in the Conditions of Contract and Contract Forms called “the Contract Price”) and the requirement for the Contractor to remedy any defects therein as prescribed by the Contract. Within seven days from the issue of Letter of Acceptance, the Employer shall publish on the Public Procurement Portal (publicprocurement.govmu.org) and the Employer’s website, the results of the Bidding Process identifying the bid and lot numbers and the following information:
- (i) name of the successful Bidder, and the Price it offered, as well as the duration and summary scope of the contract awarded; and
 - (ii) an executive summary of the Bid Evaluation Report.
- 40.2 Until a formal contract is prepared and executed, the notification of award shall constitute a binding Contract.
- 41. Signing of Contract** 41.1 Promptly upon notification, the Employer shall send the successful Bidder the Contract Agreement.
- 41.2 Within twenty-eight (28) days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return it to the Employer.
- 42. Performance Security** 42.1 Within twenty-eight (28) days of the receipt of notification of award from the Employer, the successful Bidder shall furnish the Performance Security in accordance with the General Conditions of Contract, subject to ITB 35.5, using for that purpose the Performance Security as per the format contained in Section VIII, Annex to the Particular Conditions - Contract Forms. The Performance Security shall be in the form of a

Bank/Insurance Guarantee issued through a commercial bank or insurance company operating in Mauritius.

42.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract 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 next lowest evaluated Bidder whose offer is substantially responsive and is determined by the Employer to be qualified to perform the Contract satisfactorily.

43. Debriefing

43.1 The Employer shall promptly attend to all requests for debriefing for the contract, made in writing, and within 30 days from the date of the publication of the award or date the unsuccessful bidders are informed about the award, whichever is the case, by following regulation 9 of the Public Procurement Regulations 2008 as amended.

Section II. Bid Data Sheet

A. Introduction	
ITB 1.1	The number of the Invitation for Bids is: LM-CD-OC23-11
ITB 1.1	The Employer is: <u>Landscape (Mauritius) Ltd</u>
ITB 1.1	<p>The name of the project is: INFRASTRUCTURE WORKS FOR NEW RESIDENTIAL MORCELLEMENT AT COTE D'OR</p> <p>The name of the bidding process is: Open National Bidding</p> <p>The identification number of the OAB is: LM-CD-OC23-11</p> <p>The works are divided in two (2) sections:</p> <ol style="list-style-type: none"> 1. Section 1: All works excluding off-site sewer works 2. Section 2: Off -site sewer works <p>The scope of works include interalia:</p> <p>Section 1: All works excluding Offsite Sewer Works:</p> <ol style="list-style-type: none"> 1.The construction of asphaltic onsite roads over a stretch of approximately 1550m and of width 6.0m, in flexible pavement with a hardcore layer, crushed stone road-base and bituminous wearing course. 2.The construction of a 1.2m wide reinforced concrete footpath on both sides of the onsite road network. 3.The construction of reinforced concrete drain and upgrading of existing swale alongside B48 road 4.The construction of a drainage network to ensure proper stormwater management. The stormwater drainage network shall comprise of reinforced concrete drains and earth swales at the discharge point. 5.The construction of an onsite water reticulation network which shall comprise of DI pipes with necessary fittings, valves, and fire hydrants. Each plot is serviced with a tapping point from the main CWA line on the road reserve. 6.The construction of an offsite water reticulation network which shall comprise of DI pipes with necessary fittings and valves to CWA network along B48 Road Reserve.

	<p>7.Civil engineering works for underground electrical network. An offsite electrical reticulation network shall be constructed from an existing transformer room on B48 Road to the onsite electrical reticulation network.</p> <p>8.Civil engineering works associated with an underground telecommunication network and necessary plot connections.</p> <p>9.Solar Streetlighting lamps shall be erected on poles.</p> <p>10.The construction of perimeter boundary wall.</p> <p>11.Miscellaneous road works such as road marking, traffic signs, kerb painting at junctions and other road furniture.</p> <p>12.Relocation of existing services, if any.</p> <p>13.Landscaping of road reserves, green belts, and other associated works.</p> <p>14. Construction of Gate Post and Transformer Buildings.</p> <p>Section 2: Off-site sewer works</p> <p>Offsite Rising Main + Pumping Station</p>
ITB 2.1	The Funding Agency is: Landscape (Mauritius) Ltd
ITB 2.1	The name of the Project is: INFRASTRUCTURE WORKS FOR NEW RESIDENTIAL MORCELLEMENT AT COTE D'OR
B. Bidding Documents	
ITB 8.1	<p>For clarification purposes only, the Employer's address is:</p> <p>The Chief Executive Officer Landscape (Mauritius) Ltd 7th Floor – Wing A, Shri Atal Bihari Vajpayee Tower Ebene Cybercity Mauritius</p> <p>Electronic mail address: info@landscopemauritius.com, procurement@landscopemauritius.com</p> <p>The Employer will reply to request for clarifications provided such request is received not later than fourteen (14) days prior to the deadline set for submission of bids</p>
ITB 8.4	<p>A Pre-Bid meeting <u>shall</u> take place at the following date, time and place:</p> <p>Date: Friday 10 November 2023 Time: 10:00hrs Place: Boardroom of Landscape (Mauritius) Ltd Level One – Wing A, Shri Atal Bihari Vajpayee Tower Ebene Cybercity Mauritius</p>

C. Preparation of Bids	
ITB 12.1 (h)	The Bidder shall submit with its bid the following additional documents: <i>As described in Section III – Evaluation and Qualification Criteria</i>
ITB 14.1	Alternative bids are not permitted.
ITB 14.2	Alternative times for completion are not permitted.
ITB 14.4	Alternative technical solutions are permitted.
ITB 15.4	The prices quoted by the bidder shall be: Mauritian Rupees (MUR)
ITB 16.1	The currency of the bid and the currency of payments shall be entirely in Mauritian Rupees (MUR).
ITB 19.1	The bid validity period shall be 120 days.
ITB 19.3 (a)	The bid price shall not be adjusted.
ITB 20.1	The amount and currency of the bid security shall be MUR 1,000,000 and as per the format given in Section IV.
ITB 21.1	In addition to the original of the bid, the number of copies is: one (1) hard copy & One (1) soft copy
ITB 21.2	(b) This authorization shall consist of written confirmation and shall be attached to the bid. It may include a delegation of power by resolution of the Board of a company or from the CEO, himself holding power from the Board or through a Power of Attorney. The name and position held by each person signing the authorization must be typed or printed below the signature. Note: The Power of Attorney or other written authorization to sign may be for a determined period or limited to a specific purpose.
D. Submission and Opening of Bids	
ITB 23.1	For <u>bid submission purposes</u> only, the Employer's address is : The Tender Box of the Employer who's address is Landscape (Mauritius) Ltd 7 th Floor – Wing A, Shri Atal Bihari Vajpayee Tower Ebene Cybercity Mauritius The deadline for bid submission is: Date: Monday 04 December 2023 Time: 14:00hrs local time

ITB 26.1	<p>The bid opening shall take place at:</p> <p>The offices of Landscape (Mauritius) Ltd 7th Floor – Wing A, Shri Atal Bihari Vajpayee Tower Ebene Cybercity Mauritius</p> <p>Date: Monday 04 December 2023 Time: 14:30hrs</p>
E. Evaluation, and Comparison of Bids	
ITB 33.1	Bidders shall quote entirely in local currency
ITB 34.1	Margin of Preference is not applicable.
ITB 42.3	Not Applicable

Section III. Evaluation and Qualification Criteria

(Without Prequalification)

This Section contains all the criteria that the Employer shall use to evaluate bids and qualify Bidders. In accordance with ITB 35 and ITB 37, no other factors, methods or criteria shall be used. The Bidder shall provide all the information requested in the forms included in Section IV, Bidding Forms.

1. Evaluation

In addition to the criteria listed in ITB 34.2 (a) – (e) the following criteria shall apply:

1.1 Assessment of adequacy of Technical Proposal with Requirements

1.2 Multiple Contracts, if permitted under ITB 34.4, will be evaluated as follows:
Multiple Contracts are not allowed.

1.3 **Alternative Completion Times**, if permitted under ITB 13.2, will be evaluated as follows:
Alternative Completion Times are not allowed.

1.4 **Technical alternatives** , if permitted under ITB 13.4, will be evaluated as follows:
Technical alternatives are not allowed.

1.5 Margin of Preference

Margin of preference is not applicable.

2. Qualification

Pursuant to ITB 5.1, Bids will be considered from Contractors who are duly registered with the CIDB under the grade and specialization that cover adequately the size and type of works related to the project.

In case the works requires certain specialization not covered adequately under the registration of CIDB, those field of specialization shall be defined by the public body in section 2. 4.2 (a) and Specific Experience in key activities in section 2. 4.2 (b) which the contractor has to meet as qualification.

<i>Factor</i>	2.1 ELIGIBILITY					
Sub-Factor	Criteria					Documentation Required
	Requirement	Single Entity	Bidder			
			Joint Venture or Association			
			All partners combined	Each partner	At least one partner	
2.1.1 Nationality	Nationality in accordance with ITB 5.3.	Must meet requirement	Existing or intended JVA must meet requirement	Must meet requirement	N / A	Form ELI-1 and 2, with attachments
2.1.2 Conflict of Interest	No- conflicts of interests as described in ITB 5.4.	Must meet requirement	Existing or intended JVA must meet requirement	Must meet requirement	N / A	Bid Submission Form
2.1.3 Government Owned Entity	Compliance with conditions of ITB 5.6	Must meet requirement	Must meet requirement	Must meet requirement	N / A	Form ELI-1 and 2, with attachments
2.1.4 Ineligibility based on a United Nations resolution or Mauritian law	Not having been excluded as a result of the Mauritian laws or official regulations, or by an act of compliance with UN Security Council resolution, in accordance with ITB 5.8	Must meet requirement	Existing JVA must meet requirement	Must meet requirement	N / A	Bid Submission Form

Factor	2.2 HISTORICAL CONTRACT NON-PERFORMANCE					
Sub-Factor	Criteria					Documentation Required
	Requirement	Bidder				
		Single Entity	Joint Venture or Association			
All partners combined			Each partner	At least one partner		
2.2.1 History of non-performing contracts	Non-performance of a contract did not occur within the last ten (10) years prior to the deadline for application submission, based on all information on fully settled disputes or litigation. A fully settled dispute or litigation is one 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.	Must meet requirement by itself or as partner to past or existing JVA	N / A	Must meet requirement by itself or as partner to past or existing JVA	N / A	Form CON - 2

Factor	2.2 HISTORICAL CONTRACT NON-PERFORMANCE					
Sub-Factor	Criteria					Documentation Required
	Requirement	Bidder				
		Single Entity	Joint Venture or Association			
All partners combined			Each partner	At least one partner		
2.2.2 Pending Litigation	All pending litigation against the bidder shall in total not represent more than five percent (5%) of the Bidder’s net worth and shall be treated as resolved against the Bidder.	Must meet requirement by itself or as partner to past or existing JVA	N / A	Must meet requirement by itself or as partner to past or existing JVA	N / A	Form CON – 2

Factor	2.3 FINANCIAL SITUATION					
Sub-Factor	Criteria					Documentation Required
	Requirement	Bidder				
		Single Entity	Joint Venture or Association			
All partners combined			Each partner	At least one partner		
2.3.1 Historical Financial Performance⁶	Submission of audited balance sheets or if not required by the law of the bidder's country, other financial statements acceptable to the Employer, for the last five [5] years to demonstrate the current soundness of the bidders financial position and its prospective long term profitability.	Must meet requirement	N / A	Must meet requirement	N / A	Form FIN –1 with attachments
2.3.2.	Clause Deleted					

⁶ (a) Local bidders who are not required to file Audited Accounts should submit copies of Financial Statements filed at the Registrar of Companies prior to deadline set for the submission of bids.

Factor	2.3 FINANCIAL SITUATION					
Sub-Factor	Criteria					Documentation Required
	Requirement	Bidder				
		Single Entity	Joint Venture or Association			
All partners combined			Each partner	At least one partner		
<p>2.3.3.Financial Resources</p>	<p>The Bidder must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, lines of credit, and other financial means, other than any contractual advance payments to meet:</p> <p>(i) the following cash-flow requirement: MUR 40 Million</p> <p>and</p> <p>(ii) the overall cash flow requirements for this contract and its current commitments.</p> <p>And</p> <p>(ii) with respect to specific cash flow requirement, the Bidder should submit documentary evidence mentioning the name of the</p>	<p>Must meet requirement</p>	<p>Must meet requirement</p>	<p>Must meet percent (%) of the requirement in proportion to the shares held in the JV/ Association</p>	<p>Must meet percent (%) of the requirement in proportion to the shares held in the JV/ Association</p>	<p>Form FIN –3</p> <p>Form FIN-4</p>

Factor	2.3 FINANCIAL SITUATION					
Sub-Factor	Criteria					Documentation Required
	Requirement	Bidder				
		Single Entity	Joint Venture or Association			
All partners combined			Each partner	At least one partner		
	project. Non-submission of the supporting documents may lead to the rejection of the bid. Documentary evidence shall comprise of 1. Bank Certificate					

Factor	2.4 EXPERIENCE					
Sub-Factor	Criteria					Documentation Required
	Requirement	Bidder				
		Single Entity	Joint Venture or Association			
All partners combined			Each partner	At least one partner		
<p>2.4.1 General Experience</p>	<p>Contractors have to be registered with the CIDB under the grade and classes indicated hereunder:</p> <p>Grade: The contractor should be duly registered with the CIDB under the grade that would allow him to perform the value of works for which he is submitting his bid</p> <p>Classes of works of contractors: Civil engineering construction works</p>					<p>Valid registration certificate with the CIDB</p>
<p>2.4.2 Specific Experience</p>	<p>Participation as contractor, management contractor, or subcontractor, in at least two (2) contracts within the last ten (10) years , each with a</p>	<p>Must meet requirement</p>	<p>Must meet requirements for all characteristics</p>	<p>N / A</p>	<p>Must meet requirement for one characteristic</p>	<p>Form EXP 2(a)</p>

Factor	2.4 EXPERIENCE					
Sub-Factor	Criteria					Documentation Required
	Requirement	Bidder				
		Single Entity	Joint Venture or Association			
All partners combined			Each partner	At least one partner		
	value of at least two hundred (200) million MUR , that have been successfully and substantially completed and that are similar to the proposed Works in terms of physical size, complexity, methods/technology or other characteristics as described in Section V, Employer’s Requirements.					

2.5 Personnel

The Bidder must demonstrate that it has the personnel for the key positions that meet the following requirements:

- i) A Contracts Manager – a degree in Civil Engineering, with minimum **Ten (10)** years of experience in works of similar nature
- ii) A Full-time Site Engineer – a degree holder in Civil Engineering with at least **Ten (10)** years experience in works of similar nature;
- iii) A Full-time Quality Controller – a diploma holder in Civil engineering with at least **Five (5)** years' experience in works of similar nature.
- iv) A Full-time Surveyor – with an HND or equivalent in surveying related discipline with at least **Five (5)** years experience;
- v) At least three (3) Full-time Foreman with at least **Ten (10)** years experience in works of similar nature.
- vi) A part-time Health & Safety Officer – a diploma holder in Occupational Health & Safety duly registered as H&S Officer in Mauritius with at least Ten (10) years experience in construction.

The Bidder shall provide details of the proposed personnel and their experience records in the relevant Information Forms included in Section IV, Bidding Forms.

The Bidder shall provide details of the proposed personnel and their experience records using Forms PER-1 and PER-2 included in Section IV, Bidding Forms.

2.6 Equipment

The Bidder must demonstrate that it has access to the key equipment listed hereafter:

	Contractor's Equipment	Min. Number
1.	Excavator/Loader – CAT 428 or acceptable/equivalent	3
2.	Mechanical Backhoe Loader – 9.8 T or acceptable/equivalent	2
3.	Bulldozer – Capacity D7 or acceptable/equivalent	1
4.	Lorries – 12T or acceptable/equivalent	4
5.	Vibrating Roller/Compactor – 12T or acceptable/equivalent	1
6.	Pneumatic Roller/Compactor – more than 15T or acceptable/equivalent	1
7.	Grader – 185Hp or acceptable/equivalent	1
8.	Asphaltic Concrete Paver – 155Hp (75T/hr) or acceptable/equivalent	1
9.	Bitumen Sprayer 120Hp (6000L) or acceptable/equivalent	1
10.	Water Bowser (10m ³)	2

The Bidder shall provide further details of proposed items of equipment using Form EQU in Section IV, Bidding Forms.

Section IV. Bidding Forms

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Bid Submission Form

Date: _____

OAB No.: _____

Invitation for Bid No.: _____

To: _____

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Document, including Addenda issued in accordance with Instructions to Bidders (ITB) 9 _____;

(b) We offer to execute in conformity with the Bidding Document the following Works: _____;

(c) The total price of our Bid, excluding VAT and any discounts offered in item (d) below is: _____

_____;

(d) The discounts offered and the methodology for their application are: _____

_____;

(e) Our bid shall be valid for a period of _____ days from the date fixed for the bid submission deadline in accordance with the Bidding Document or up towhichever is later, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(f) We hereby confirm that we have read and understood the content of the Bid Securing Declaration/Bid Security attached herewith and subscribe fully to the terms and conditions contained therein, if required. We understand that non-compliance to the conditions mentioned therein may lead to disqualification.

- (g) If our bid is accepted, we commit to obtain a Performance Security and a Preference Security (if applicable) in accordance with the Bidding Document;
- (h) We, including any subcontractors or suppliers for any part of the contract, have or will have nationalities from eligible countries, in accordance with ITB 5.3;
- (i) We, including any subcontractors or suppliers for any part of the contract, do not have any conflict of interest in accordance with ITB 5.4;
- (j) We are not participating, as a Bidder or as a subcontractor, in more than one bid in this bidding process in accordance with ITB 5.4, other than alternative offers submitted in accordance with ITB 14;
- (k) We, including any of our subcontractors or suppliers for any part of the contract, have not been declared ineligible by the Government of Mauritius, under the Mauritian laws or official regulations or by an act of compliance with a decision of the United Nations Security Council;
- (l) We are not a government owned entity/ We are a government owned entity but meet the requirements of ITB-5.6;⁷
- (m) We hereby “*apply/do not apply*” for the Margin of Preference as provided for in the bidding document;⁸
- (n) We have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract:

Name of Recipient	Address	Reason	Amount
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(If none has been paid or is to be paid, indicate “none.”)

- (o) We have taken steps to ensure that no person acting for us or on our behalf will engage in any type of fraud and corruption as per the principles described hereunder, during the bidding process and contract execution:
 - i. We shall not, directly or through any other person or firm, offer, promise or give to any of the Public Body’s employees involved in the bidding process or the execution of the contract or to any third person any material or immaterial benefit

⁷ Bidder to use as appropriate

⁸ Strike out as appropriate

which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

- ii. We shall not enter with other Bidders into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the bidding process.
- iii. We shall not use falsified documents, erroneous data or deliberately not disclose requested facts to obtain a benefit in a procurement proceeding.

We understand that transgression of the above is a serious offence and appropriate actions will be taken against such bidders.

- (p) We understand that this bid, together with your written acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed; and
- (q) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Name _____ In the capacity of _____

Signed _____

Duly authorized to sign the bid for and on behalf of _____

Dated on _____ day of _____, _____

Appendix to Bid Submission Form

Item	Sub-Clause	Data
Employer's name and address	1.1.2.2 & 1.3	Landscape (Mauritius) Ltd 7th Floor – Wing A, Shri Atal Bihari Vajpayee Tower Ebene Cybercity Mauritius
Contractor's name and address	1.1.2.3 & 1.3	
Engineer's name and address	1.1.2.4 & 1.3	Servansingh Jadav & Partners Consulting Engineers Limited 7, Remy Ollier Street Beau Bassin
Time for completion of the Works	1.1.3.3	<p>1) Section 1 - On-site works: 450 calendar days from Commencement Date</p> <p>2) Section 2 - Off-site Sewer works: 120 calendar days from Notice to Commence Section 2 - Offsite Sewer works</p> <p>Latest Start for Off-site sewer works: 120 days after Commencement Date of Section 1</p> <p>The above period includes for festivity period, public holidays and other non-official religious or other activities.</p>
Defects Notification Period	1.1.3.7	365 days
Communication (Electronic transmission systems)	1.3	All correspondences pertaining to contractual matters related to the Contract shall be in writing under cover of a letter. Day to Day Site issues can be by Telefax and E-mails and from duly authorized site personnel.
Governing law	1.4	Law of Republic of Mauritius
Ruling language	1.4	English
Language for communications	1.4	English
Time for access to the site	2.1	On Commencement Date
Amount of Performance Security	4.2	10% of the Accepted Contract Amount as stated in Contract Agreement

Item	Sub-Clause	Data
Normal working hours	6.5	As per sub-clause 6.5 in Particular Conditions of Contract and in compliance with the Workers' Right Act 2019 and with any latest Regulations.
Programme	8.3	Within 14 days after receiving the notice.
Delay damages for the Works	8.7 & 14.15(b)	Section 1 - On-Site works excluding off-site sewer works - MUR 150,000.00 Section 2 - Off-Site Sewer works – MUR 50,000.00
Maximum amount of delay damages	8.7	Up to a maximum of 10% of sum stated in the Contract Agreement
Percentage adjustment of Provisional Sums	13.5(b)	To be included under the relevant Bill
Adjustment for changes in cost	13.8	Not applicable
Total advance payment	14.2	10% of the Contract Price as stated in the Contract Agreement less Provisional Sums and Contingencies
Number and timing of instalments of the advance payment	14.2	One. The advance payment shall be released only after obtaining an unconditional first demand bank Guarantee from an approved local commercial bank for the amount of advance to be released and valid for the contract period.
Repayment of advance payment	14.2(a)	<ul style="list-style-type: none"> i. It shall be ensured that at any point of time, the Bank Guarantee is available for the amount of outstanding advance. ii. The recovery shall commence after the value of works, including value of materials on/off site and variations, has reached twenty-five percent (25%) of the Accepted Contract Amount less Provisional Sums and Contingencies. The entire amount shall be recovered by the time eighty percent (80%) of the Accepted Contract Amount less Provisional Sums and Contingencies is reached.
Amortisation Rate	14.2(b)	Not Applicable
Percentage of retention	14.3	10% of the Certified Value of Works

Item	Sub-Clause	Data
Limit of Retention Money	14.3	Limit at 5% of the sum stated in the Contract Agreement
Minimum amount of Interim Payment Certificates	14.6	MUR 5,000,000.00
Delayed Payment	14.8	Finance Charges shall be equivalent to the Repo Rate as determined by the Bank of Mauritius.
Currency	14.15	Mauritian Rupees (MUR)
Periods for submission of insurance – evidence of insurance	18.1(a)	By the Commencement Date
Periods for submission of insurance – relevant policies	18.1(b)	14 days after the Commencement Date
Insurance of Works and Contractor Equipment	18.2	Contract Price including VAT + 15% for Consultant fees.
Maximum amount of deductibles for insurance of Employer's risk	18.2(d)	MUR 100,000.00
Minimum amount of third party insurance	18.3	Minimum of Rs 25 Million per occurrence with the number of occurrences unlimited

Initials of Signatory of Tender _____

Name of Tenderer: _____

Address _____

Date

Bill of Quantities

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
	<p>BILL NO 1</p> <p>PRELIMINARIES AND CONDITIONS OF CONTRACT</p> <p>The Conditions of Contract shall be the FIDIC Conditions of Contract for Construction for Building and Engineering Works designed by the Employer as published by the Fédération Internationale des Ingénieurs - Conseils (FIDIC) - First Edition 1999 and the Conditions of Particular Application Part II. The Tenderer shall allow all costs and charges which he considers attributable to the Preliminary items and for his obligations as per the Conditions of Contract Part I and Part II. Items are listed below for convenience of pricing. However, the tenderer is responsible for ensuring all charges and costs are included whether or not an item is given.</p>				
	CARRIED TO COLLECTION				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
1.1	Allow for supply, erection, maintenance and removal of all necessary offices, first aid, welfare and other accommodation for the Contractor's staff and employees as per Clause 1.11 of the General Specification throughout the duration of the Contract and all other labour costs not included elsewhere in the contract price.	Sum				
1.2	Allow for all temporary access roads and all other works, construction plant and charges of any nature whatsoever required for the completion of the contract and not included elsewhere in the contract price.	Sum				
1.3	Allow for the insurance of the works, design, third party liability, etc.as per Clause 18 of the Conditions of Contract.	Sum				
1.4	Allow for the cost of the Performance Security required in accordance with Clause 4.2 of the Conditions of Contract.	Sum				
1.5	Allow for the setting out of the works including all labour, instruments, tools and materials in accordance with Clause 1.15 of the Conditions of Contract.	Sum				
1.6	Allow for the contractor's superintendence of the works in accordance with Clause 6.8 of the Conditions of Contract.	Sum				
1.7	Allow for protection of the works including appointment of a reputed security services firm to provide such services within the site boundaries covering the whole of the site including the works and other amenities (including a duration of six (6) months into Defects Liability Period). Rate to include for security guards, lighting and other safety precautions.	Month	18			
1.8	Allow for the construction of a Washing Bay Structure with high water pressure equipments including water reservoirs, water and Electricity supply, so as to remove muds from all vehicles leaving construction site. Rate to include excavation, reinforcement, concrete, petrol interceptor, soakaway, 2 Nos. high pressure jet, water reservoir, etc.	Month	15			
1.9	Allow for the running cost of the Washing Bay including minimum 2 Operators, water and electricity supply.	Month	15			
1.10	Allow for temporary drainage from underground and/or surface water from on-site/ off-site, in accordance with Clause 1.19, 1.22 and 1.23 of the General Specifications.	Sum				
	CARRIED TO COLLECTION					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
1.11	Allow for the cost of remedying defects during the Defects Liability Period.	Sum				
1.12	Allow for the supply and erection of 2 no. sign board in accordance with Clause 1.34 of the Specifications.	Sum				
1.13	Allow for clearance of site on completion in accordance with Clause 11.11 of the Conditions of Contract.	Sum				
1.14	Allow for site survey and exploratory excavations.	Sum				
1.15	Allow for the support and protection of existing services in accordance with Clauses 1.13 of the General Specifications.	Sum				
1.16	Allow for the cost of liaising with Central Electricity Board, Central Water Authority, Traffic Management & Road Safety Unit, Road Development Authority, Wastewater Management Authority, Land Drainage Authority, Mauritius Telecom and any other relevant authority.	Sum				
1.17	Allow for the cost of Traffic Diversion onto A6 road and any temporary access that may be required	Sum				
1.18	Allow for the setting up of a separate, secure, fully-functional, air-conditioned, waterproof office of a suitable design with office furniture for the Engineer's exclusive use.	Sum				
1.19	Allow for the running cost and maintenance of the Engineer's office throughout the duration of the contract.	Month	15			
1.20	Allow for the cost of complying with the Conditions of the EIA Licence, EMP Monitoring Plan and complying with Clause 1.10 and 1.35 of the specifications.	Sum				
1.21	Allow for profit and Attendance for the implementation and coordination of the landscaping works, with the landscaping contractor up to 2 months after the contractual completion date.	Sum				
1.22	Allow for profit and Attendance for the installation	Sum				
	CARRIED TO COLLECTION					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
1.23	Allow for proper precautions for the prevention of propagation of dust, noise, inconvenience etc. to adjoining areas or occupiers and shall allow for the work to be carried out at such times and in such order as not to cause any nuisance or inconvenience. The Contractor shall strictly adhere to the provisions of the Occupational, Health and Safety Act 2005.	Sum				
1.24	Allow for the conduction of dilapidation surveys of neighbouring boundary walls and structures prior to start of works and for any remedial works that may be required.	Sum				
1.25	Allow for any other items which the contractor considers necessary for the completion of the works but not included in the unit rates.	Sum				
	CARRIED TO COLLECTION					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
	<p>PRELIMINARIES AND CONDITIONS OF CONTRACT</p> <p>COLLECTION SHEET</p> <p>Bill No. 1</p> <p>Carried from Page B1/1</p> <p>Carried from Page B1/2</p> <p>Carried from Page B1/3</p> <p>Carried from Page B1/4</p>				
	CARRIED TO MAIN SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL NO 2 - PROVISIONAL SUMS & CONTINGENCIES The Contractor shall include the following Provisional Sums in his Tender. These sums shall be expended as directed by the Engineer or deducted in whole, in part if not required. Works executed in respect of Provisional Sums shall be measured and valued by the Engineer in accordance with the Conditions of Contract. The Contractor shall allow these provisional works in their programme of works and have to be executed within the Completion Period. The net effect on the total Contract Price named in the letter of Acceptance resulting from a difference between the sum entered in the Bill of Quantities against the provisional items and the actual amount expended as ordered by the Engineer on site shall not be taken into account for the determination of the contractor's right to a contract price adjustment in accordance with clause 13 of the Conditions of Contract.					
2.1	Allow the provisional sum of Rupees Five Million as Contingencies.	P. Sum				5,000,000.00
2.2	Allow the provisional sum of Rupees Seven Million for Solar Street Lighting Lanterns on CEB Poles to contractor's design. Contractor to seek quotation for the works from at least 3 reputed firms with experience in supply, installation and commissioning of such system. Approval of design from relevant authorities or Promoter to be obtained by contractor prior to executing the works under this item.	P. Sum				7,000,000.00
2.3	Allow for profit and attendance on Items 2.2 above.	%				
	Nominated Sub Contractor's Work					
2.4	Boom gate, CCTV, pedestrian gate and evergreen parking					1,000,000.00
2.5	Allow for landscaping work, contractor to seek quotation from 3 reputed Landscape contractor.	P. Sum				4,000,000.00
2.7	Allow for street name plate fixed to metal post, directional signage and totem.	P. Sum				500,000.00
2.8	Allow for upgrading of Traffic lights at New Cross junction of B28 Road.	P. Sum				500,000.00
2.9	Allow for supply and fix double leaf galvanised metal main gate 7m wide x 1.8m high, including civil works , Contractor to seek quotation from 3	P. Sum				600,000.00
	CARRIED TO MAIN SUMMARY					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	PROVISIONAL SUMS & CONTINGENCIES COLLECTION SHEET Bill No. 2 Carried from Page B2/1					
	CARRIED TO MAIN SUMMARY					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL NO 3 - ONSITE EARTHWORKS & ROADWORKS INCLUDING PARKINGS					
	EARTHWORKS					
3.1	Clearing of site as per Article 1.01 of the Site Clearance & Platforming specifications.	m ²	94,550			-
3.2	Strip vegetable top soil as per Article 1.02 of the Site Clearance & Platforming specifications.	m ²	94,550			-
3.3	Wide cutting to reduce level for road and plot entrance to make up level all as per Specification and to Engineer's approval. Rate to include for excavation in all types of strata including rock, for loading and hauling any distance to areas of fill, for levelling, watering and compaction to 95% BS heavy compaction and forming embankment on road sides all to Specification and as shown on drawings and as directed by the Engineer.	m ³	18,000			-
3.4	Excavate unsound or unsuitable materials from road corridor and natural ground, as identified on site, as per Engineer's instructions and Specifications. Rate to also include for loading, hauling, staking and transport to tip or approved disposal site.	m ³	1,000			-
3.5	Approved selected fill from wide cutting to make up levels within plots, level, water, roll and compact to 95% BS heavy in layers not exceeding 200 mm thick in lines and levels as shown on drawings, specifications and as directed by Engineer on site. Rate to include for all haulage to and across site and embankment formation.	m ³	13,000			-
3.6	Do, but imported approved selected fill from borrow pits	m ³	2,000			-
3.7	Cart-away surplus excavated of unsuitable materials from site as directed by the Engineer.	m ³	6,000			-
	ROADWORKS (6m road and plot entrance)					
3.8	Level and compact ground to fall and 2.5% crossfall below the road to 95% BS Heavy MDD as per specifications.	m ²	14,900			-
3.9	Supply, lay and compact hardcore material of maximum grading 150 mm size as sub-base, to falls and crossfalls, all complete as per drawings and specifications.	m ³	3,175			-
	CARRIED TO COLLECTION					-

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
3.10	Supply, lay and compact 150 mm thick crusher run 0/20 layer to falls and crossfalls and compacted to 98% to BS heavy, all as per drawings and specifications.	m ²	14,900			-
3.11	Clean off surface of crusher run and apply approved prime coat as per drawings and specifications.	m ²	14,900			-
3.12	Supply, lay, roll and compact 60mm thick premix asphalt wearing course 0/14 laid to falls and crossfalls as per drawings and specifications.	m ²	12,500			-
3.13	Supply, lay, roll and compact 50mm thick premix asphalt wearing course 0/10 laid to falls and crossfalls as per drawings and specifications.	m ²	2,400			-
ROADWORKS (7m road)						
3.14	Level and compact ground to fall and 2.5% crossfall below the road to 95% BS Heavy MDD as per specifications.	m ²	1,150			-
3.15	Supply, lay and compact hardcore material of maximum grading 150 mm size as sub-base, to falls and crossfalls, all complete as per drawings and specifications.	m ³	230			-
3.16	Supply, lay and compact 150 mm thick crusher run 0/31.5 layer to falls and crossfalls and compacted to 98% to BS heavy, all as per drawings and specifications.	m ²	1,150			-
3.17	Supply, lay and compact 150 mm thick crusher run 0/20 layer to falls and crossfalls and compacted to 98% to BS heavy, all as per drawings and specifications.	m ²	1,150			-
3.18	Clean off surface of crusher run and apply approved prime coat as per drawings and specifications.	m ²	1,050			-
3.19	Supply, lay, roll and compact 90mm thick premix asphalt base course 0/20 laid to falls and crossfalls as per drawings and specifications.	m ²	1,050			-
3.20	Supply, lay, roll and compact 60mm thick premix asphalt wearing course 0/14 laid to falls and crossfalls as per drawings and specifications.	m ²	1,050			-
CARRIED TO COLLECTION						-

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	ROAD MARKING AND ROAD SIGNS					
3.21	Supply and apply approved reflectorised thermoplastic, with glass beads, road marking for marking and symbols. Rate to include for preparatory works, cleaning of pavement, premarking, application of thermoplastic marking to BS 3262-3, EN 1424, 1436 & 1871 to 1.5mm minimum thickness. All complete as per Engineer's drawings and specifications.	m ²	370			-
	Supply and fix reflective signs with posts and foundation including mounting, post clip and bolt assembly, pit excavation, compaction, mass concrete base, backfilling and disposal of surplus excavated material to spoil heaps on designated area as per Engineer's drawings and as per Traffic Sign Regulation of 1990.					
3.22	Octagonal sign panel	No	11			-
3.23	Circular sign panel	No	14			-
3.24	Rectangular sign panel (1200x600)	No	8			-
3.25	Square Information sign panel	No	4			-
3.26	Supply and fix Cat's eyes, rate to include for coring, epoxy, etc. All as per RDA/ TMRSU specifications.	No	60			-
	PRECAST CONCRETE KERBS					
3.27	Supply and lay precast concrete kerbs Type K3 . Rate to include for excavation, compaction, haunching and forming curve on plan at radius indicated all complete as per drawings and specifications.	m	5,950			-
3.28	Do but Type K1	m	275			-
3.29	Do but Type K2	m	740			-
3.30	Do but Type K4	m	740			-
	CARRIED TO COLLECTION					-

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	STORMWATER DRAINAGE RC DRAIN					
	Excavating in any material starting from natural ground level and build culvert in 125mm thick 30MPa reinforced concrete boxing inclusive of 50mm blinding layer, concrete cover consisting of 75mm predalle and 75mm insitu concrete with non skid finish, reinforcement bars, screed to floors to falls, removing surplus from site and earthwork support to sides of trenches, etc, all complete as per Engineer's specifications and Drawing no. 22-130-L1100-(T0) and 22-130-1112-(T0).					
3.31	Reinforced Concrete Culvert under Roads					
3.32	Internal size 300mm wide x 500mm deep	m	26			-
3.33	Internal size 500mm wide x 500mm deep	m	51			-
3.34	Internal size 500mm wide x 700mm deep	m	19			-
3.35	Internal size 1000mm wide x 700mm deep	m	19			-
3.36	Internal size 1500mm wide x 1200mm deep	m	29			-
	Excavating in any material starting from natural ground level and build culvert in 200mm thick 30MPa reinforced concrete boxing inclusive of 50mm blinding layer, concrete cover consisting of 75mm predalle and 75mm insitu concrete with non skid finish, reinforcement bars, screed to floors to falls, removing surplus from site and earthwork support to sides of trenches, etc, all complete as per Engineer's specifications and Drawing no. 22-130-L1100-(T0) and 22-130-1112-(T0).					
3.37	Internal size 300mm wide x 500mm deep	m	106			-
3.38	Internal size 500mm wide x 500mm deep	m	534			-
3.39	Internal size 500mm wide x 700mm deep	m	835			-
3.40	Internal size 700mm wide x 700mm deep	m	207			-
3.41	Internal size 1000mm wide x 700mm deep	m	160			-
3.42	Internal size 1000mm wide x 1000mm deep	m	262			-
3.43	Internal size 1500mm wide x 1200mm deep	m	63			-
	Metal Gratings					
3.44	Supply and fix hot dipped galvanised grating to fit RC drain under road. Rate to include for anchoring in concrete, angle bar, etc. all complete as per drawings and specifications. (Refer to drawing No. 22-130-L1118-(T0).	m ²	72			-
	CARRIED TO COLLECTION					-

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	PEDESTRIAN FOOTPATH					
3.45	Construct 1.2m wide pedestrian footpath in reinforced concrete. Rate to include for excavation in all type of strata including rock, levelling, trimming, watering & compaction of formation material, crusher run 0/20, approved polyethene sheeting, reinforcement, mesh A142, 100mm thick concrete (30/20), sweeping, non-skid finish, curing, construction joint, expansion joint etc. all complete as per drawings and specifications. (Refer to drawing No. 22-130-L1002-(T0).	m	2,800			-
3.46	Extra over for pedestrian footpath in reinforced concrete next to Drain 300mm wide. Rate to include for excavation in all type of strata including rock, levelling, trimming, watering & compaction of formation material, crusher run 0/20, approved polyethene sheeting, reinforcement, mesh A142, 100mm thick concrete (30/20), sweeping, non-skid finish, curing construction joint, expansion joint etc. All complete as per drawings and specifications. (Refer to drawing No. 22-130-L1002 (T0)	m	70			
3.47	Extra over for pedestrian footpath in reinforced concrete next to Drain 500mm wide. Rate to include for excavation in all type of strata including rock, levelling, trimming, watering & compaction of formation material, crusher run 0/20, approved polyethene sheeting, reinforcement, mesh A142, 100mm thick concrete (30/20), sweeping, non-skid finish, curing construction joint, expansion joint etc. All complete as per drawings and specifications. (Refer to drawing No. 22-130-L1002 (T0)	m	1,040			
	<u>Earth Swale</u>					
3.48	Construct trapezoidal earth swale to levels & dimensions as shown in Engineer's drawings or as directed by the Engineer. Rate to include for excavation in all types of soil strata including rock, working space, backfilling to working space, approved selected fill or imported if so required, trimming, shaping and levelling of side slopes & embankments, carting away and disposal of all excess materials to spoil heaps as instructed by Engineer, etc. all complete as per Engineer's drawing No 22-130-L1111-(T0) or as directed by the Engineer and as per specifications.	m ³	210			-
	CARRIED TO COLLECTION					-

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
3.49	<p>CULVERT</p> <p>Excavating in any material starting from natural ground level and build culvert 1500MM X 1500MM DEEP in 200mm thick 30MPa reinforced concrete boxing inclusive of 50mm blinding layer, concrete cover consisting of 75mm predalle and 75mm insitu concrete with non skid finish, reinforcement bars, screed to floors to falls, fill material, reinstatement of layer works, asphalt, road marking, guardrail, kerb, removing surplus from site and earthwork support to sides of trenches, etc, all complete as per Engineer's specifications and Drawing no. 22-130-L1112.</p>	m	22			-
	CARRIED TO COLLECTION					-

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL NO 3 - ONSITE EARTHWORKS & ROADWORKS INCLUDING PARKINGS COLLECTION SHEET Bill No. 3 Carried from Page B3/1 Carried from Page B3/2 Carried from Page B3/3 Carried from Page B3/4 Carried from Page B3/5 Carried from Page B3/6					
	CARRIED TO MAIN SUMMARY					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL NO.4A - WATER RETICULATION EXCAVATION					
4A.1	Excavate trench for DI pipe diameter n.e 250 mm diameter and depth n.e 1.50 m. Rate to include for excavation in all type of strata, including rock, levelling, trimming, watering and compaction up to formation level, backfilling with approved selected sound backfill materials (imported from borrow pits if so required), compaction of backfilled material, carting away any surplus excavated materials from site and all ancillary works. All as per the specifications and as per Engineer's Drawing.	m ³	1290			-
4A.2	Do but for Anchor and thrust block.	m ³	8			-
	BEDDING					
4A.3	Supply and lay compacted chipping (5-9mm) bedding in bottom of trench up to 150mm above crown of pipe diameter 100mm. All as per Engineer's Drawing and specifications.	m	1090			-
4A.4	Do, but for pipe diameter 150mm	m	710			-
	PIPE LAYING					
4A.5	Supply, lay, joint and test as specified 100 mm diameter Ductile Iron pipe, of nominal pressure K9 or equivalent, inclusive of cuts all as per article 1.18 of the specification and drawings. (Rate to include cost of fittings).	m	1090			-
4A.6	Do but for 150 mm diameter pipe	m	710			-
	PLOT CONNECTION					
4A.7	Excavate trench n.e 1.5 m depth for pipe diameter n.e 32 mm diameter. Rate to include for all excavation in rock, backfilling with selected backfill material (imported if so required) and cart away surplus material from site, all as per drawings, specifications and as per Engineer's requirements.	m ³	260			-
4A.8	Supply and lay compacted chipping (5-9mm) bedding in bottom of trench up to 150mm above crown of pipe diameter 100mm. All as per Engineer's Drawing and specifications.	m	1000			-
4A.9	Supply, lay and test 20 mm diameter house connection HDPE pipe in 32mm diameter sleeves complete with PE saddle, end cap, chipping bedding etc. all as per specifications and drawings. Rate to allow for connection to housing unit plumbing network and marking on kerbs to locate position of house connection pipes etc.	m	1000			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	VALVE AND FITTINGS					
4A.10	Supply, install and test as specified the following valves & fittings as per the specifications and drawings.					
4A.11	Double Orifice approved Air valve, complete with saddle, stop cock & all accessories, to fit DI pipe of nominal diameter 100mm. All complete as per drawing & specifications. (Refer to drawing No. 22-130-L1257)	No	4			-
4A.12	Do, but to fit DI pipe of nominal diameter 150mm. (Refer to drawing No. 22-130-L1257)	No	2			-
4A.13	Double flanged DI sluice valve 150 mm diameter for cap operation with spindle complete with rubber insertion bolts and nuts. (Refer to drawing No. 22-130-L1251)	No	3			-
4A.14	DI fire hydrant to fit 100mm main DI Pipe diameter complete with butterfly valve, flanges, joints, all complete as per drawing & specifications. (Refer to drawing No. 22-130-L1252)	No	4			-
4A.15	DI fire hydrant to fit 150mm main DI Pipe diameter complete with butterfly valve, flanges, joints, all complete as per drawing & specifications. (Refer to drawing No. 22-139-L1252)	No	2			-
4A.16	DI Washout to fit 150mm DI pipe complete with Tee, Sluice Valve for cap operation with spindle complete with rubber insertion bolts and nuts all complete as per drawing and specifications. (Refer to drawing No. 22-130-L1254)	No	3			-
4A.17	Socketed D.I. equal tee 150 mm diameter	No	5			-
4A.18	Socketed D.I. equal tee 100 mm diameter		1			-
4A.19	Socketed D.I. reducer 150x100 mm diameter	No	5			-
4A.20	Socketed D.I. 90° Bend 150 mm diameter	No	1			-
4A.21	Socketed D.I. 11.25° Bend 150 mm diameter	No	1			-
4A.22	Socketed D.I. 450 Bend 100 mm diameter	No	4			-
4A.23	Socketed D.I. 22.50 Bend 100 mm diameter	No	2			-
4A.24	D.I. blank flange 150 mm diameter.	No	1			-
4A.25	D.I. blank flange 100 mm diameter.	No	6			-
4A.26	Mechanical saddle 150 x 25 for house connection	No	33			-
4A.27	Mechanical saddle 100 x 25 for house connection	No	102			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
4A.28	Provide spindle key, complete with extensions manufactured from 080M40 (EN8) steel to operate sluice valves	No	1			-
	MARKER POSTS					
4A.29	Supply and fix concrete marker posts complete with lettering all as per drawings and specifications.	No	18			-
	PRESSURE TEST TO CHECK MAXIMUM OPERATING PRESSURE OF PIPELINE					
4A.30	Allow for pressure testing of pipeline up to 1.5 times the maximum static pressure with an addition of 5 bars, prior house connection. Rate to include for all necessary tools & equipments, bowsers, disinfected water, pumps, gauges, measuring equipments, labours, etc. all complete as directed by the Engineer.	Sum	1			-
4A.31	Allow for pressure testing of pipeline up to 6 bars after house connection. Rate to include for all necessary tools & equipments, bowsers, disinfected water, pumps, gauges, measuring equipments, labours, etc. all complete as directed by the Engineer.	Sum	1			-
	DISINFECTION OF PIPELINE					
4A.32	Allow for disinfection of pipeline as specified. Rate to allow for sampling, flushing of pipes after successful completion, liaison with relevant authorities, etc.	Sum	1			-
	CONNECTION TO MAINS					
4A.33	Allow for connection of internal water reticulation to CWA mains. Rate to allow for all necessary liaison with the authorities concerned.	Sum	1			-
	CONCRETE WORKS					
4A.34	Provide concrete chambers as per drawings and specifications complete for double orifice air valve. Rate to include for excavation, working space, formwork, concrete, reinforcement, backfilling, cast iron covers, pava boxes, etc.	No	6			-
4A.35	Do, but for fire hydrant	No	6			-
4A.36	Do, but for washout	No	3			-
4A.37	Do, but for Sluice Valve	No	3			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
4A.38	Concrete surround to pipe grade 15/20 complete with formwork	m ³	15			-
4A.39	Mass concrete grade 20/20 to thrust and anchor blocks complete with formwork	m ³	10			-
4A.40	Plot manhole in 150mm thick blockwall, rate to include for excavation in all strata, blinding, concrete base, blockwall, reinforcement, 75mm thick RC cover, etc. All as per Engineer's drawing and specifications.	No	135			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL NO.4A - WATER RETICULATION					
	COLLECTION SHEET					
	Carried from Page B4A/1					-
	Carried from Page B4A/2					-
	Carried from Page B4A/3					-
	Carried from Page B4A/4					-
	CARRIED TO MAIN SUMMARY					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL NO.4B - OFF SITE WATER RETICULATION					
	EXCAVATION					
4B.1	Excavate trench for DI pipe diameter n.e 200 mm diameter and depth n.e 1.50 m. Rate to include for excavation in all type of strata, including rock, levelling, trimming, watering and compaction up to formation level, backfilling with approved selected sound backfill materials (imported from borrow pits if so required), compaction of backfilled material, carting away any surplus excavated materials from site and all ancillary works. All as per the specifications and as per Engineer's Drawing.	m ³	435			-
4B.2	Do but for Anchor and thrust block.	m ³	3			-
	BEDDING					
4B.3	Supply and lay compacted chipping (5-9mm) bedding in bottom of trench up to 150mm above crown of pipe diameter 250mm. All as per Engineer's Drawing and specifications.	m	600			-
	PIPE LAYING					
4B.4	Supply, lay, joint and test as specified 200 mm diameter Ductile Iron pipe, of nominal pressure K9 or equivalent, inclusive of cuts all as per article 1.18 of the specification and drawings. (Rate to include cost of fittings).	m	125			-
	VALVE AND FITTINGS					
4B.5	Supply, install and test as specified the following valves & fittings as per the specifications and drawings.					
4B.6	Double Orifice approved Air valve, complete with saddle, stop cock & all accessories, to fit DI pipe of nominal diameter 200mm. All complete as per drawing & specifications. (Refer to drawing No. 22-130-L1257)	No	1			-
4B.7	Double flanged DI sluice valve 200 mm diameter for cap operation with spindle complete with rubber insertion bolts and nuts. (Refer to drawing No. 22-130-L1251)	No	1			-
4B.8	DI fire hydrant to fit 200mm main DI Pipe diameter complete with butterfly valve, flanges, joints, all complete as per drawing & specifications. (Refer to drawing No. 22-130-L1252)	No	1			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
4B.9	DI Washout to fit 200mm DI pipe complete with Tee, Sluice Valve for cap operation with spindle complete with rubber insertion bolts and nuts all complete as per drawing and specifications. (Refer to drawing No. 22-139-L1254)	No	1			-
4B.10	Socketed D.I. equal tee 200 mm diameter	No	1			-
4B.11	Socketed D.I. reducer 200x150 mm diameter	No	1			-
4B.12	Socketed D.I. 90 ⁰ Bend 200 mm diameter	No	1			-
4B.13	D.I. blank flange 150 mm diameter.	No	1			-
4B.14	Provide spindle key, complete with extensions manufactured from 080M40 (EN8) steel to operate sluice valves	No	1			-
MARKER POSTS						
4B.15	Supply and fix concrete marker posts complete with lettering all as per drawings and specifications.	No	8			-
PRESSURE TEST TO CHECK MAXIMUM OPERATING PRESSURE OF PIPELINE						
4B.16	Allow for pressure testing of pipeline up to 1.5 times the maximum static pressure with an addition of 5 bars, prior house connection. Rate to include for all necessary tools & equipments, bowsers, disinfected water, pumps, gauges, measuring equipments, labours, etc. all complete as directed by the Engineer.	Sum	1			-
DISINFECTION OF PIPELINE						
4B.17	Allow for disinfection of pipeline as specified. Rate to allow for sampling, flushing of pipes after successful completion, liaison with relevant authorities, etc.	Sum	1			-
CONNECTION TO MAINS						
4B.18	Allow for connection of internal water reticulation to CWA mains. Rate to allow for all necessary liaison with the authorities concerned.	Sum	1			-
CONCRETE WORKS						
4B.19	Provide concrete chambers as per drawings and specifications complete for double orifice air valve. Rate to include for excavation, working space, formwork, concrete, reinforcement, backfilling, cast iron covers, pava boxes, etc.	No	2			-
CARRIED TO COLLECTION						

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
4B.20	Do, but for fire hydrant	No	2			-
4B.21	Do, but for washout	No	2			-
4B.22	Do, but for Sluice Valve	No	2			-
4B.23	Concrete surround to pipe grade 15/20 complete with formwork	m ³	5			-
4B.24	Mass concrete grade 20/20 to thrust and anchor blocks complete with formwork	m ³	2			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL NO.4B - OFF SITE WATER RETICULATION COLLECTION SHEET Carried from Page B4B/1 Carried from Page B4B/2 Carried from Page B4B/3					
	CARRIED TO MAIN SUMMARY					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	<p>BILL 5A - ELECTRICAL HV/LV SERVICE NETWORK EXCAVATION</p> <p>Excavating trenches in any material, starting at natural ground level, for electrical sleeves, not exceeding 300mm in diameter, trimming bottom of excavations to regular falls, laid on and including 500mm deep unwashed rocksand 0/6mm bedding material and covered with 720mm deep compacted backfilling with selected excavated material not containing material greater than 100mm size, min 220mm deep compacted fill not containing stones greater than 100mm, compacting as described and removing surplus from site and including earthwork support to sides of trenches, 600mm wide warning tape and warning slabs, all as per specifications and Engineer's drawing nos.22-130-L1300-(T0), 22-130-L1301-(T0) and 22-130-L1302-(T0).</p>					
5A.1	<p>HV/LV Trench size 600mm wide x 1,400mm deep, housing 160mm diameter sleeves</p> <p><u>Extra Over trenchwork for concrete surrounds to electrical sleeves as per Engineer's drawing nos. 22-130-L1300-(T0), 22-130-L1301-(T0) and 22-130-L1302-(T0).</u></p>	m	1890			-
5A.2	<p>Overall size 600mm wide x 500mm at road crossing</p>	m	150			-
5A.3	<p>PIPE LAYING</p> <p>Supply, lay, joint and test as specified 160 mm diameter PVC pipe, inclusive of cuts all as per the specification and drawings. (Rate to include cost of fittings).</p>	m	5620			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	Electrical Drawpits Excavating in any material and build drawpits including 50mm thick blinding layer, 150mm thick hollow blockwall with 13mm thick render to walls including rocksand filling compacted in layers to required depth, 500x200x40mm thick warning slabs and warning tape. Drawpit to also include 500x500x300mm sump hole filled with single size 25mm aggregate wrapped in geotextile kaymat U14 or equivalent and concrete surround to inlets and outlets of sleeves as indicated on Engineer's drawings					
5A.4	Jointing Pit, overall size 3,300 mm x 1,500 mm x 1,440 mm deep, as per Engineer's Drawing.	No	5			-
5A.5	Type T1 Drawpit, overall size 4,460 mm x 2,660 mm x 1,675 mm deep, as per Engineer's Drawing No. 22-130-L1313-(T0).	No	10			-
5A.6	Type S1 Drawpit, overall size 1,800 mm x 2,300 mm x 1,675 mm deep, as per Engineer's Drawing No. 22-130-L1315-(T0).	No	3			-
5A.7	Type A1 Angular Drawpit, overall size 2,550 mm x 2,550 mm x 1,675 mm deep, as per Engineer's Drawing No. 22-130-L1317-(T0).	No	10			-
	Electrical Manholes Excavating in any material and construct manholes and pillars including 50mm thick blinding layer, 100mm thick reinforced concrete base 150mm thick concrete infilled blockwall and reinforced concrete wall with 13mm thick render to walls, bases and other exposed surfaces, reinforcement and formwork as required, precast openable slabs, 500 x 200 x 40mm thick warning slabs and powder coated Aluminium door with lock sump hole overall size 500x500x300mm, filled with single size 25mm aggregate wrapped in geotextile kaymat U14 or equivalent, compacted rocksand to bottom of manhole and concrete surround to inlets and outlets of sleeves, all complete as indicated Engineer's drawings nos. 22-130-L1309-(T0) and 22-130-L1310-(T0) and specifications.					
5A.8	LV Pillar, Overall size 2,180 mm x 2,200 mm x 3,200 mm high	No	41			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	<u>Plot manhole</u>					
5A.9	Plot manhole in 150mm thick blockwall, rate to include for excavation in all strata, blinding, concrete base, blockwall, reinforcement, 75mm thick RC cover, etc. All as per Engineer's drawing and specifications.					
5A.10	Overall internal size 600 x 600mm	No	135			-
	<u>Testing</u>					
5A.11	Testing of the Sleeves in the presence of representatives of local authorities. Rate to include all liaison with local authorities including preparation of As-Built Drawings.	Sum	1			-
	<u>PLOT CONNECTIONS</u>					
	Excavating trenches in any material, starting at natural ground level, for electrical sleeves not exceeding 80mm in diameter, trimming bottom of excavations to regular falls, laid on and including 500mm deep unwashed rocksand 0/6mm bedding material and covered with 720mm deep compacted backfilling with selected excavated material not containing material greater than 100mm size, min 220mm deep compacted fill not containing stones greater than 100mm, compacting as described and removing surplus from site and including earthwork support to sides of trenches, 600mm wide warning tape and warning slabs, all as per Engineer's drawing.					
5A.12	Trench size 450mm wide x 1,400mm deep for 80 mm diameter PVC plot connection sleeves.	m	1100			-
5A.13	<u>Extra Over trenchwork for concrete surrounds to water pipes as per Engineer's drawing no. 22-130-L1300.</u>					
5A.14	Overall size 380mm wide x 380mm at road crossing	m	575			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	Pipe Laying <u>Supply and lay PVC sleeves not exceeding 80 mm diameter to falls in trenches on rocksand bedding (elsewhere measured) as per specifications and Engineer's approval.</u>					
5A.15	PVC pipes, 80 mm diameter	m	1100			-
5A.16	PVC pipes, 63 mm diameter	m	3860			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL NO.5A - ELECTRICAL HV/LV SERVICE NETWORK					
	COLLECTION SHEET					
	Carried from Page B5A/1					-
	Carried from Page B5A/2					-
	Carried from Page B5A/3					-
	Carried from Page B5A/4					-
	CARRIED TO MAIN SUMMARY					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	<p>BILL 5B - OFF SITE ELECTRICAL HV/LV SERVICE NETWORK EXCAVATION</p> <p>Excavating trenches in any material, starting at natural ground level, for electrical sleeves, not exceeding 300mm in diameter, trimming bottom of excavations to regular falls, laid on and including 500mm deep unwashed rocksand 0/6mm bedding material and covered with 720mm deep compacted backfilling with selected excavated material not containing material greater than 100mm size, min 220mm deep compacted fill not containing stones greater than 100mm, compacting as described and removing surplus from site and including earthwork support to sides of trenches, 600mm wide warning tape and warning slabs, all as per specifications and Engineer's drawings 22-130-L1301-(T0) and 22-130-L1302-(T0)..</p>					
5B.1	<p>HV/LV Trench size 600mm wide x 1,400mm deep, housing 160mm diameter sleeves</p> <p><u>Extra Over trenchwork for concrete surrounds to electrical sleeves as per Engineer's drawing nos. 22-130-L1301-(T0) and 22-130-L1302-(T0).</u></p>	m	570			-
5B.2	<p>Overall size 600mm wide x 500mm at road crossing</p>	m	15			-
5B.3	<p>PIPE LAYING</p> <p>Supply, lay, joint and test as specified 160 mm diameter PVC pipe, inclusive of cuts all as per the specification and drawings. (Rate to include cost of fittings).</p>	m	1900			-
5B.4	<p>Do but for 80mm PVC pipe</p>	m	950			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	Electrical Drawpits					
	Excavating in any material and build drawpits including 50mm thick blinding layer, 150mm thick hollow blockwall with 13mm thick render to walls including rocksand filling compacted in layers to required depth, 500x200x40mm thick warning slabs and warning tape. Drawpit to also include 500x500x300mm sump hole filled with single size 25mm aggregate wrapped in geotextile kaymat U14 or equivalent and concrete surround to inlets and outlets of sleeves as indicated on Engineer's drawings					
5B.5	Jointing Pit, overall size 3,300 mm x 1,500 mm x 1,440 mm deep, as per Engineer's Drawing.	No	2			-
5B.6	Type T1 Drawpit, overall size 4,460 mm x 2,660 mm x 1,675 mm deep, as per Engineer's Drawing No.22-130-L1313-(T0).	No	8			-
5B.7	Type A1 Angular Drawpit, overall size 2,550 mm x 2,550 mm x 1,675 mm deep, as per Engineer's Drawing No.22-130-L1317-(T0).	No	2			-
	RMU					
5B.8	Excavating in any material and construct RMU including 50mm thick blinding layer, 150mm thick reinforced concrete base 150mm thick concrete infilled blockwall and reinforced concrete wall with 15mm thick render to walls, bases and other exposed surfaces, reinforcement and formwork as required, removable checkered plate, 500 x 200 x 40mm thick warning slabs and powder coated Aluminium door with lock sump hole overall size 500x500x300mm, filled with single size 25mm aggregate wrapped in geotextile kaymat U14 or equivalent, compacted rocksand to bottom of manhole and concrete surround to inlets and outlets of sleeves, etc, all complete as indicated Engineer's drawings no. 22-130-L1308-(T0) and	No	1			-
	Testing					
5B.9	Testing of the Sleeves in the presence of representatives of local authorities. Rate to include all liaison with local authorities including preparation of As-Built Drawings.	Sum	1			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL NO.5B - OFF SITE ELECTRICAL HV/LV SERVICE NETWORK COLLECTION SHEET Carried from Page B5B/1 Carried from Page B5B/2					-
						-
	CARRIED TO MAIN SUMMARY					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	<p>BILL 6 - TELECOMMUNICATION NETWORK CIVIL WORKS FOR LAYING OF SLEEVES FOR TELECOMMUNICATION NETWORK</p> <p>Excavating trenches in any material, starting at natural ground level, for telecommunications sleeves, not exceeding 300mm in diameter, trimming bottom of excavations to regular falls, laid on and including 300mm deep unwashed rocksand 0/6mm bedding material and covered with minimum 300mm deep compacted backfilling with selected excavated material not containing material greater than 30mm size, compacting as described and removing surplus from site and including earthwork support to sides of trenches, wide warning tape, all as per specifications and Engineer's drawing nos. 16-154-L1500-(T0), 16-154-L1501-(T0) and 16-154-L1502-(T0).</p>					
6.1	<p>Telecommunications trench size 300mm to 350mm wide x 1,000mm deep</p> <p><u>Extra Over trenchwork for concrete surrounds to telecommunications sleeves as per Engineer's drawing nos. 16-154-L1500-(T0), 16-154-L1501-(T0) and 16-154-1502-(T0).</u></p>	m	1775			-
6.2	<p>Overall size 380mm wide x 380mm at road crossing</p> <p>PIPE LAYING</p> <p><u>Supply and lay PVC sleeves not exceeding 300 mm diameter to falls in trenches on rocksand bedding (elsewhere measured) as per specifications and Engineer's approval.</u></p>	m	70			-
6.3	PVC pipes, 45 mm diameter	m	7780			-
6.4	PVC pipes, 60 mm diameter	m	200			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	<p><u>Telecommunication Manholes</u></p> <p>Excavating in any material and construct telecommunication manholes including 50mm thick blinding layer, 150mm thick 30 MPa reinforced concrete base 150mm thick reinforced concrete wall with 13mm thick render to walls, bases and other exposed surfaces, reinforcement and formwork as required, sump hole overall size 300x200x300mm, filled with single size 25mm aggregate wrapped in geotextile kaymat U14 or equivalent, cable bearers and anchor irons fixed to walls all complete as per specifications and as indicated on Engineer's drawings nos. 16-154-L1514-(T0), 16-154-L1515-(T0), 16-154-L1616-(t0), 22-130-L1418-(T0) and 22-130-L1519-(T0).</p>					
6.5	Manhole Type L2T, Overall size 1460 mm x 680 mm x 750 mm deep	No	17			-
6.6	Manhole Type L3T , Size 1,680 mm x 820 mm x 750 mm	No	2			-
6.7	Manhole Type M1C, Size 2,270 mm x 1,450 mm x 1,400 mm deep as per Engineer's Drawings and Specifications.	No	1			-
	<p><u>Manhole Covers</u></p> <p>Cast iron manhole covers and frame (Single seal/ Heavy Duty) to BS 497, frame bedded in cement mortar (1:3) and cover sealed with grease,</p>					
6.8	Overall size 1,530 mm x 670mm to L3T Manholes	No	2			-
6.9	Overall size 1310 x 530mm to L2T Manholes	No	15			-
6.10	Overall size 1,500mm x 750 mm to M1C Manholes	No	1			-
	<p><u>Testing</u></p> <p>Testing of the Sleeves/Manholes in the presence of representatives of local authorities. Rate to include all liaison with local authorities including preparation of As-Built Drawings.</p>					
6.11		Sum	1			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	<p><u>PLOT CONNECTIONS</u></p> <p><u>THE FOLLOWING TO PLOT CONNECTIONS</u></p> <p>Excavating trenches in any material, starting at natural ground level, for telecommunications sleeves, not exceeding 80mm in diameter, trimming bottom of excavations to regular falls, laid on and including 300mm deep unwashed rocksand 0/6mm bedding material and covered with minimum 300mm deep compacted backfilling with selected excavated material not containing material greater than 30mm size, compacting as described and removing surplus from site and including earthwork support to sides of trenches, wide warning tape, all as per specifications and Engineer's drawing nos. 22-130-L1500-(T0).</p>					
6.12	<p>Trench size 300mm wide x 1,000mm deep for 45 mm diameter PVC plot connection sleeves.</p> <p><u>Extra Over trenchwork for concrete surrounds to water pipes as per Engineer's drawing no. 22-130-L1500-(T0).</u></p>	m	600			-
6.13	<p>Overall size 300mm wide x 300mm at road crossing</p>	m	120			-
6.14	<p>Plot manhole in 150mm thick blockwall, rate to include for excavation in all strata, blinding, concrete base, blockwall, reinforcement, 75mm thick RC cover, etc. All as per Engineer's drawing and specifications.</p>	No	135			-
	<p><u>Pipe Laying</u></p> <p><u>Supply and lay PVC sleeves not exceeding 32 mm diameter to falls in trenches on rocksand bedding (elsewhere measured) as per specifications and Engineer's approval.</u></p>					
6.15	<p>PVC pipes, 45 mm diameter</p>	m	1010			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL NO.6 - TELECOMMUNICATION NETWORK					
	COLLECTION SHEET					
	Carried from Page B6/1					-
	Carried from Page B6/2					-
	Carried from Page B6/3					-
	CARRIED TO MAIN SUMMARY					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	<p>BILL 7 - STREET LIGHTING NETWORK <u>Street Lighting Bases</u></p> <p>Excavating in any material and construct street lighting base for light poles including 30 Mpa concrete with 20mm aggregate cast against excavated face, reinforcement, heavy duty polyconduit, anchor rods and anchor bolts fixed to base plate and concrete grout to top of base, all complete as per specifications and Engineer's drawing nos. 22-130-L1401-(T0).</p>					
7.1	Overall size 800 mm x 800 mm x 1,400 mm deep for 6m high lamp post.	No	63			-
7.2	Supply and fix 6m galvanised metal Lamp post to RC base, including Solar powered street lamps of grade IP 67, rate to include for transport, hoisting and fixing, testing and commissioning etc. All as per manufacturers detail and specifications and Engineer's drawing and specifications.	No	63			
	CARRIED TO MAIN SUMMARY					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL 7 - STREET LIGHTING NETWORK COLLECTION SHEET Carried from Page B7/1					
	CARRIED TO MAIN SUMMARY					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE Rs.	AMOUNT	
					Rs.	Cs.
	BILL NO 8A - GRAVITY SEWERAGE WORKS EXCAVATION					
8A.1	Excavate trench, for UPVC pipe of DN 200mm and depth n.e 1.5m. Rate to include for excavation in all type of strata including rock, trimming, levelling, watering & compaction of formation level, backfilling with approved selected excavated materials (imported if so required), compaction of backfill material, carting away any surplus excavated materials from site and all ancillary works. All as per the specifications and drawings.	m ³	1725			
8A.2	Do but 1.50 - 2.50m deep	m ³	510			-
	Do but 2.50 - 5.50m deep	m ³	79			
8A.3	Excavate trench, for UPVC pipe of DN 160mm and depth n.e 1.5m. Rate to include for excavation in all type of strata including rock, trimming, levelling, watering & compaction of formation level, backfilling with approved selected excavated materials (imported if so required), compaction of backfill material, carting away any surplus excavated materials from site and all ancillary works. All as per the specifications and drawings.	m ³	735			-
	BEDDING					
8A.4	Supply, lay and compact granular bedding (4-6mm) as bed to receive DN200 UPVC pipe and to surround of pipe as shown in drawings and specification.	m	1810			-
8A.5	Do but DN160 UPVC pipe	m	950			-
	CONCRETE SURROUND OF GRADE 15 N/mm² AS SPECIFIED <u>Plain in-situ concrete designed mix Class C15 nominal maximum size of aggregate 20mm as described in</u>					
8A.6	Supply, lay and compact concrete surround to pipe complete with formwork as per drawings and specifications.	m ³	25			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE Rs.	AMOUNT	
					Rs.	Cs.
	PIPE LAYING					
8A.7	Supply, lay, joint and test non-pressure 200mm DN SN8 UPVC spigot & socket pipe with integrated sockets to BS EN 13476-2 & 1401-1. Rate to also include for rubber ring joints, elastomeric seal, fittings, cutting to size, cleaning, labour and all necessary equipments for testing of network as per WMA's requirements, i.e full moon, water test, ball test & air test. (Final Testing to be carried out in presence of WMA's representative and Engineer)	m	1810			-
8A.8	Ditto, but for 160 mm dia pipe.	m	950			-
	MANHOLES					
	Excavation					
8A.9	Excavate pits for manholes and drop manholes of internal depth not exceeding 1.5m. Rate to include for excavation in all type of strata including rock, trimming, levelling & compaction of formation level, backfilling with selected excavated materials (imported if so required), carting away any surplus excavated materials from site and all ancillary works. All as per the specifications and as per Engineer's Drawing.	m ³	350			-
8A.1	Do but for depth exceeding 1.5m but not exceeding 2.5 deep	m ³	230			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
				Rs.	Rs.	Cs.
	Reinforced Concrete Manhole Manholes to be tested in accordance to BS EN 1610 for watertightness					
8A.11	Construct manhole, Type A in reinforced concrete, having overall internal dimensions 1000mm x 1500mm & internal depth not exceeding 1.3m. Rate to include for blinding layer, reinforcements, water bar, formwork, concrete (G30/20), fixing of manhole cover frames, concrete make up, benching, haunching, rocker pipe, surround, curing, testing, etc. All as per drawings and specifications.	No	69			-
8A.12	Construct manhole, Type B in reinforced concrete, having overall internal dimensions 1200mm x 900mm & internal depth of maximum 2.4m. Rate to include for blinding layer, reinforcements, water bar, formwork, concrete (G30/20), fixing of manhole cover frames, concrete make up, benching, haunching, type D class 1 step irons to BS13101, rocker pipe, surround, curing, testing, etc. All as per drawings and specifications.	No	9			-
8A.13	Supply & fix hinged type D400 heavy duty Double Seal Manhole Cover & frame of clear opening 600mm X 600mm to BS EN124, etc. all complete as per drawings & specifications.	No	78			-
	PLOT INSPECTION CHAMBER					
	Excavation					
8A.14	Excavate pits for Plot Inspection Chamber of internal depth not exceeding 1.5m. Rate to include for excavation in all type of strata including rock, trimming, levelling & compaction of formation level, backfilling with selected excavated materials (imported if so required), carting away any surplus excavated materials from site and all ancillary works. All as per the specifications and as per Engineer's Drawing.	m ³	255			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
				Rs.	Rs.	Cs.
	Plot Inspection Chamber					
	<u>Manholes to be tested in accordance to BS EN 1610 for watertightness</u>					
8A.15	Construct plot Inspection Chamber in reinforced concrete, having overall internal dimensions 900mm x 900mm & internal depth not exceeding 800mm. Rate to include for blinding layer, reinforcements, water bar, formwork, concrete (G30/20), fixing of manhole cover frames, concrete make up, benching, haunching, rocker pipe, surround, curing, testing, etc. All as per drawings and specifications.	No	135			-
8A.16	Supply & fix hinged type D250 medium duty Double Seal Manhole Cover & frame of clear opening 600mm X 600mm to BS EN124, etc. all complete as per drawings & specifications.	No	135			-
	TESTING / AS-BUILT DRAWINGS					
8A.17	Testing of the Sewer Pipes/Manholes in the presence of the Engineer / Authority representatives. Rate to include all liaison with WMA including preparation of As-Built Drawings.	sum	1			-
8A.18	Contractor to provide As-Built Drawings in Hard and AutoCAD soft copy. Final payment will be based on the As-Built drawings.	sum	1			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
				Rs.	Rs.	Cs.
	BILL NO 8A - SEWERAGE WORKS					
	<u>COLLECTION SHEET</u>					
	carried from Page B8A/1					-
	carried from Page B8A/2					-
	carried from Page B8A/3					-
	carried from Page B8A/4					-
	CARRIED TO MAIN SUMMARY					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE Rs.	AMOUNT	
					Rs.	Cs.
	BILL NO 8B - RISING MAIN SEWER EXCAVATION					
8B.1	Excavate trench, for HDPE pipe of DN 110mm and depth n.e 1.5m. Rate to include for excavation in all type of strata including rock, trimming, levelling, watering & compaction of formation level, backfilling with approved selected excavated materials (imported if so required), compaction of backfill material, carting away any surplus excavated materials from site and all ancillary works. All as per the specifications and drawings.	m ³	3180			-
8B.2	Do but 1.50 - 2.50m deep	m ³	515			-
	BEDDING					
8B.3	Supply, lay and compact granular bedding (4-6mm) as bed to receive DN110 HDPE pipe and to surround of pipe as shown in drawings and specification.	m	2100			-
	CONCRETE SURROUND OF GRADE 15 N/mm² AS SPECIFIED <u>Plain in-situ concrete designed mix Class C15 nominal maximum size of aggregate 20mm as described in</u>					
8B.4	Concrete surround to pipe complete with formwork as per drawings and specifications.	m ³	12			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE Rs.	AMOUNT	
					Rs.	Cs.
8B.5	<p>PIPE LAYING</p> <p>Supply, lay, joint and test as specified 110 mm diameter HDPE pipe in trench, of nominal pressure K9 or equivalent, inclusive of cuts all as per article 1.18 of the specification and drawings. (Rate to include cost of fittings),, cleaning, labour and all necessary equipments for testing of network as per sprcifications.</p>	m	2100			-
8B.6	<p>MANHOLES</p> <p>Excavation</p> <p>Excavate pits for manholes of internal depth not exceeding 1.5m. Rate to include for excavation in all type of strata including rock, trimming, levelling & compaction of formation level, backfilling with selected excavated materials (imported if so required), carting away any surplus excavated materials from site and all ancillary works. All as per the specifications and as per Engineer's Drawing.</p>	m ³	30			-
8B.7	<p>STEEL BRACKET</p> <p>Supply and fix Galvanised steel brackets to existin bridge deck. Rate to include all HAS Stud Anchors for fixing, preparation works, pipe straps, erection and dismantling of scaffolding, etc. All complete as per drawing No. 22-130-L1114-(T0) and specifications.</p>	No	10			-
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE Rs.	AMOUNT	
					Rs.	Cs.
	Reinforced Concrete Manhole					
8B.8	Construct manhole in reinforced concrete for Wash Out, having overall internal dimensions 1200mm x 450mm & internal depth of minimum 1.5m. Rate to include for blinding layer, reinforcements, water bar, formwork, concrete (G30/20), fixing of manhole cover frames, concrete make up, surround, curing, testing, etc. All as per drawings and specifications.	No	6			-
8B.9	Provide concrete chambers as per drawings and specifications complete for Air Release and Odour Control. Rate to include for excavation, working space, formwork, concrete, reinforcement, backfilling, cast iron covers, pava boxes, etc.	No	5			
8B.10	Provide concrete chambers as per drawings and specifications complete for Sluice Valve. Rate to include for excavation, working space, formwork, concrete, reinforcement, backfilling, cast iron covers, pava boxes, etc.	No	1			
8B.11	Supply & fix type D250 medium duty Double Seal Manhole Cover & frame of clear opening 450mm X 450mm to BS EN124, etc. all complete as per drawings & specifications.	No	5			-
8B.12	Supply & fix hinged type D400 heavy duty Double Seal Manhole Cover & frame of clear opening 600mm X 600mm to BS EN124, etc. all complete as per drawings & specifications.	No	13			-
	Supply, install and test as specified the following valves & fittings as per the specifications and drawings.					
8B.13	Air Release and Odour Control valve, complete with saddle, stop cock & all accessories, to fit HDPE pipe of nominal diameter 110mm. All complete as per drawing & specifications. (Refer to drawing No. 22-130-L1257)	No	5			
8B.14	Double flanged DI sluice valve 110mm diameter for cap operation with spindle complete with rubber insertion bolts and nuts. (Refer to drawing No. 22-130-L1251)	No	1			
	CARRIED TO COLLECTION					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE Rs.	AMOUNT	
					Rs.	Cs.
8B.15	DI washout to fit 110mm DI pipe complete with Tee, sluice valve for cap operation with spindle complete with ruber insertion bolts and nuts all complete as per drawing and specifications. (Refer to drawings No. 22-130-L1254)	No	6			
	TESTING / AS-BUILT DRAWINGS					
8B.16	Testing of the Sewer Pipes/Manholes in the presence of the Engineer / Authority representatives. Rate to include all liaison with WMA including preparation of As-Built Drawings.	sum	1			-
8B.17	Contractor to provide As-Built Drawings in Hard and AutoCAD soft copy. Final payment will be based on the As-Built drawings.	sum	1			-
	Generator Room					
8B.18	Construct Generator room in blockwall. Rate to include for excavation in all strata, backfilling , cart away excess excavated material, 150mm thick blockwall, reinforced concrete, formwork, reinforcement, galcanised metal door, rendering, painting, rainwater disposal, base for diesel tank, etc. All as per drawings and specifications.	No	1			
	Gate					
8B.19	Supply and fix double leaf gate at entrance (4.0m x 1.8m high) Rate to include 4mm Ø MSG straining wires at equal spacing (5mm holes to be drilled in C.H.S Column before galvanising), Ø 42.4 x 3.6mm THK MSG pipe frame with all necessary approved fittings and lock as per drawing.	No	1			
	1.8m HIGH CHAIN LINK FENCING					
8B.20	Supply & fix MSG chain link fencing of wire diameter 3.0mm with mesh size 50mm x 50mm to vertical posts and horizontal CHS, 1.8 m clear high from ground level complete with 88.9mm diameter x 5mm thick galvanised straight and inclined posts of 48.3mm diameter x 4.2mm thick fixed in concrete bases, welding (treated with epoxy zinc rich primer), fish tails, 3 rows of 4mm dia MSG Straining Wires, RC ground beam etc. all complete as per drawing number 17-108-006-L1013. The metal works shall be galvanised after manufacture to MS 18. The Chain Link fencing supplied should resist cyclonic wind speed of 275km/hrs. Rate to be all inclusive.	m	55			
	CARRIED TO COLLECTION					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
				Rs.	Rs.	Cs.
8B.21	<p><u>Barbed Wire</u></p> <p><u>Supply and fix barbed wire on boundary wall. Rate to include 6 rows of barbed wire, razer wire, Ø 48.3mm MSG CHS and fittings in concrete blocks, etc. all as per drawing and specifications.</u></p>	m	55			
	CARRIED TO COLLECTION					-

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE Rs.	AMOUNT Rs. Cs.
	<p>BILL NO 8B - RISING MAIN SEWER</p> <p><u>COLLECTION SHEET</u></p> <p>carried from Page B8B/1</p> <p>carried from Page B8B/2</p> <p>carried from Page B8B/3</p> <p>carried from Page B8B/4</p> <p>carried from Page B8B/5</p>				
	CARRIED TO MAIN SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL NO 9A - PERIMETER WALL					
	1.8m HIGH BLOCKWALL					
9A.1	<u>Excavate to form pits and trenches to receive column bases, strip footings, ground beams and the like, maximum depth not exceeding 2.0m, wheel and deposit in spoil heaps. Rate to include for excavation in all type of soil strata including rock, excavation for working space and backfilling to working space, support to sides of excavation and carting away of all unused materials to approved disposal site.</u>					-
9A.2	In pits and trenches to receive strip footing, bases, ground beams and the like.	m ³	1490			
9A.3	Level and compact ground to receive blinding layer to 95% BS Heavy MDD as per specifications.	m ²	1475			-
	Concrete Works <u>Design mix to BS5328 concrete class C20, nominal maximum size of aggregate 20mm, minimum cement content 250kg/m³, maximum water / cement ratio 0.65, placed in position and vibrated. Material and workmanship shall comply with BS8110 and Engineer's specifications.</u>					
9A.4	50 mm thick blinding layer to bottom of strip footings and bases <u>Design mix to BS5328 concrete class C30, nominal maximum size of aggregate 20mm, minimum cement content 325 kg/m³, maximum water / cement ratio 0.55, placed in position and vibrated. Material and workmanship shall comply with BS8110 and Engineer's specifications.</u>	m ²	1475			-
9A.5	In column bases, strip footings, and the like	m ³	373			
9A.6	Columns including tie columns	m ³	109			
9A.7	Plinth beam	m ³	104			
9A.8	Coping	m ³	69			

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	CARRIED TO COLLECTION					-
	Formwork <u>Formwork Type A finish in accordance with specification. Rate to include for strutting at/ from any level and including rebates and grooves formers to:</u>					
9A.9	In column bases, strip footings and the like	m ²	984			
9A.10	Columns including tie columns	m ²	1233			
9A.11	Plinth beam	m ²	1033			
9A.12	Coping	m ²	905			
	Reinforcement <u>Mild steel rod reinforcement of Grade 250 to comply to MS10 to concrete members generally cut to lengths, bent and hooked as required and bound at intersections with stout gauge mild steel tying wire including all necessary concrete supports, steel chairs and wastage.</u>					
9A.13	Rods of various diameters <u>Round deformed high tensile rod reinforcement of Grade 460 to comply to MS10 to concrete members generally, cut to lengths, bent and hooked as required and bound at intersections with stout gauge mild steel tying wire including all necessary concrete supports, steel chairs and wastage.</u>	kg	3260			
9A.14	Rods of various diameters	kg	33550			
	Blockwalling <u>Hollow concrete blocks to BS 6073: Part 1 minimum average compressive strength 3.5 N/mm² in cement mortar (1:3) as described and including wall ties at junctions as shown on Engineer's Drawings.</u>					
9A.15	200 mm thick blockwalling	m ²	3,910.0			
	Rendering <u>Cement and sand render consisting of one part cement to three parts sand (1:3) mixed with an approved plasticiser, sponged finish. Rate to include for hacking concrete and for forming arrises and fair edges. Allow for 15x15mm plaster stoppers where necessary</u>					
9A.16	20mm thick render to blockwall, beams, cills, lintols and columns (externally)	m ²	11,400.0			
	CARRIED TO COLLECTION					-

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL NO 9A - PERIMETER WALL <u>COLLECTION SHEET</u> carried from Page B9A/1 carried from Page B9A/2					
	CARRIED TO MAIN SUMMARY					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL NO 9B - SITE FRONTAGE WALL					
	1.8m FRONTAGE WALL					
9B.1	<u>Excavate to form pits and trenches to receive column bases, strip footings, ground beams and the like, maximum depth not exceeding 2.0m, wheel and deposit in spoil heaps. Rate to include for excavation in all type of soil strata including rock, excavation for working space and backfilling to working space, support to sides of excavation and carting away of all unused materials to approved disposal site.</u>					-
9B.2	In pits and trenches to receive strip footing, bases, ground beams and the like.	m ³	228			
9B.3	Level and compact ground to receive bliding layer to 95% BS Heavy MDD as per specifications.	m ²	226			-
	Concrete Works					
	<u>Design mix to BS5328 concrete class C20, nominal maximum size of aggregate 20mm, minimum cement content 250kg/m³, maximum water / cement ratio 0.65, placed in position and vibrated. Material and workmanship shall comply with BS8110 and Engineer's specifications.</u>					
9B.4	50 mm thick blinding layer to bottom of strip footings and bases	m ²	226			-
	<u>Design mix to BS5328 concrete class C30, nominal maximum size of aggregate 20mm, minimum cement content 325 kg/m³, maximum water / cement ratio 0.55, placed in position and vibrated. Material and workmanship shall comply with BS8110 and Engineer's specifications.</u>					
9B.5	In column bases, strip footings, and the like	m ³	69			
9B.6	Columns including tie columns	m ³	18			
9B.7	Plinth beam and ring beam	m ³	27			
9B.8	Coping	m ³	12			
	CARRIED TO COLLECTION					-

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	Formwork					
	<u>Formwork Type A finish in accordance with specification. Rate to include for strutting at/ from any level and including rebates and grooves formers to:</u>					
9B.9	In column bases, strip footings and the like	m ²	113			
9B.10	Columns including tie columns	m ²	132			
9B.11	Plinth beam and ring beam	m ²	171			
9B.12	Coping	m ²	113			
	Reinforcement					
	<u>Mild steel rod reinforcement of Grade 250 to comply to MS10 to concrete members generally cut to lengths, bent and hooked as required and bound at intersections with stout gauge mild steel tying wire including all necessary concrete supports, steel chairs and wastage.</u>					
9B.13	Rods of various diameters	kg	325			
	<u>Round deformed high tensile rod reinforcement of Grade 460 to comply to MS10 to concrete members generally, cut to lengths, bent and hooked as required and bound at intersections with stout gauge mild steel tying wire including all necessary concrete supports, steel chairs and wastage.</u>					
9B.14	Rods of various diameters	kg	6000			
	Blockwalling					
	<u>Hollow concrete blocks to BS 6073: Part 1 minimum average compressive strength 3.5 N/mm² in cement mortar (1:3) as described and including wall ties at junctions as shown on Engineer's Drawings.</u>					
9B.15	150 mm thick blockwalling	m ²	310.0			
	Do but for 200mm thick blockwalling	m ²	440			
	Rendering					
	<u>Cement and sand render consisting of one part cement to three parts sand (1:3) mixed with an approved plasticiser, sponged finish. Rate to include for hacking concrete and for forming arrises and fair edges. Allow for 15x15mm plaster stoppers where necessary</u>					
	CARRIED TO COLLECTION					-

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
9B.16	20mm thick render to blockwall, plinth beams, coping and columns. Stone Cladding	m ²	1200			
9B.17	Supply and place stone cladding, rate to include concrete, coloured stone, cutting and fixing in line and level.	m ²	640.0			
	CARRIED TO COLLECTION					-

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
	<p>BILL NO 9B - PERIMETER WALL 1.8m FRONTAGE WALL</p> <p><u>COLLECTION SHEET</u></p> <p>carried from Page B9B/1</p> <p>carried from Page B9B/2</p> <p>carried from Page B9B/3</p>				
	CARRIED TO MAIN SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL NO 9C - PLOT FRONTAGE WALL					
	0.9m HIGH BLOCKWALL					
9C.1	<u>Excavate to form pits and trenches to receive column bases, strip footings, ground beams and the like, maximum depth not exceeding 2.0m, wheel and deposit in spoil heaps. Rate to include for excavation in all type of soil strata including rock, excavation for working space and backfilling to working space, support to sides of excavation and carting away of all unused materials to approved disposal site.</u>					-
9C.2	In pits and trenches to receive strip footing, bases, ground beams and the like.	m ³	1650			
9C.3	Level and compact ground to receive bliding layer to 95% BS Heavy MDD as per specifications.	m ²	1630			-
	Concrete Works <u>Design mix to BS5328 concrete class C20, nominal maximum size of aggregate 20mm, minimum cement content 250kg/m³, maximum water / cement ratio 0.65, placed in position and vibrated. Material and workmanship shall comply with BS8110 and Engineer's specifications.</u>					
9C.4	50 mm thick blinding layer to bottom of strip footings and bases <u>Design mix to BS5328 concrete class C30, nominal maximum size of aggregate 20mm, minimum cement content 325 kg/m³, maximum water / cement ratio 0.55, placed in position and vibrated. Material and workmanship shall comply with BS8110 and Engineer's specifications.</u>	m ²	1630			-
9C.5	In column bases, strip footings, and the like	m ³	493			
9C.6	Columns including tie columns	m ³	167			
9C.7	Coping	m ³	55			
	CARRIED TO COLLECTION					-

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	<p>Formwork</p> <p><u>Formwork Type A finish in accordance with specification. Rate to include for strutting at/ from any level and including rebates and grooves formers to:</u></p>					
9C.8	In column bases, strip footings and the like	m ²	1365			
9C.9	Columns including tie columns	m ²	2550			
9C.10	Coping	m ²	658			
	<p>Reinforcement</p> <p><u>Mild steel rod reinforcement of Grade 250 to comply to MS10 to concrete members generally cut to lengths, bent and hooked as required and bound at intersections with stout gauge mild steel tying wire including all necessary concrete supports, steel chairs and wastage.</u></p>					
9C.11	Rods of various diameters	kg	47350			
	<p><u>Round deformed high tensile rod reinforcement of Grade 460 to comply to MS10 to concrete members generally, cut to lengths, bent and hooked as required and bound at intersections with stout gauge mild steel tying wire including all necessary concrete supports, steel chairs and wastage.</u></p>					
9C.12	Rods of various diameters	kg	4500			
	<p>Blockwalling</p> <p><u>Hollow concrete blocks to BS 6073: Part 1 minimum average compressive strength 3.5 N/mm² in cement mortar (1:3) as described and including wall ties at junctions as shown on Engineer's Drawings.</u></p>					
9C.13	150 mm thick blockwalling	m ²	3,075.0			
	CARRIED TO COLLECTION					-

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	<p>Rendering</p> <p><u>Cement and sand render consisting of one part cement to three parts sand (1:3) mixed with an approved plasticiser, sponged finish.</u> <u>Rate to include for hacking concrete and for forming arrises and fair edges. Allow for 15x15mm plaster stoppers where necessary</u></p>					
9C.14	20mm thick render to blockwall, beams, cills, lintols and columns (externally)	m ²	8,980.0			
9C.15	Concrete column head (Decorative). Rate to include for concrete, formwork, reinforcement, fixing. All as per Engineer's drawings and Specifications.	No.	400.0			
	CARRIED TO COLLECTION					-

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
	<p>BILL NO 9C - PLOT FRONTAGE WALL</p> <p><u>COLLECTION SHEET</u></p> <p>carried from Page B9C/1</p> <p>carried from Page B9C/2</p> <p>carried from Page B9C/3</p>				
	CARRIED TO MAIN SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
	BILL NO. 10 TRANSFORMER ROOM SUBSTRUCTURE Excavation <u>Excavate to form pits and trenches to receive column bases, strip footings, ground beams and the like, maximum depth not exceeding 2.0m, wheel and deposit in spoil heaps. Rate to include for excavation in all type of soil strata including rock, excavation for working space and backfilling to working space, support to sides of excavation and carting away of all unused materials to approved disposal site.</u>				
10.1	In pits and trenches to receive strip footing, bases, ground beams and the like.	m ³	25.0		
10.2	In pits for pad footing.	m ³	9.0		
10.3	Level and compact ground to receive bliding layer to 95% BS Heavy MDD as per specifications.	m ²	25.0		
	Backfilling <u>Selected fill materials arising from excavations, containing stones exceeding 100mm diameter. Rate to include for hauling up from spoil heaps, sieving (if required), backfilling and compacting in layers not exceeding 225mm to 95% Heavy MDD as described.</u>				
10.4	Selected imported fill to make up levels under floor slab, deposit, spread and level on site in layers not exceeding 200mm thick, well watered and compacted to 95% BS Heavy MDD.	m ³	7.0		
	Under Floor Filling <u>Selected approved hardcore filling consisting of sound hard stones not exceeding 150mm gauge, depositing, compacting in layers not exceeding 225mm thick to Engineer's approval.</u>				
10.5	To make up levels under floor	m ³	5.0		
	CARRIED TO COLLECTION				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
10.6	Supply, lay and compact 150 mm thick crusher run 0/20 layer and compacted to 98% to BS heavy, all as per drawings and specifications Surface Treatment <u>Approved anti-termite treatment and chemical barriers to manufacturer's specifications applied strictly in accordance with manufacturer's instructions and by specialist - minimum warranty ten years.</u>	m ³	4.0			
10.7	To under floor slab (measured flat overall)	m ²	25.0			
10.8	To perimeter of building (1000mm girth) <u>0.23 mm thick polythene sheeting 150 mm laps both ways in double layer and seal with adhesive tape laid on rocksand surfaces to receive concrete (measured net-no allowance for laps).</u>	m	24.0			
10.9	Under floor bed Concrete Works <u>Design mix to BS5328 concrete class C20, nominal maximum size of aggregate 20mm, minimum cement content 250kg/m³, maximum water / cement ratio 0.65, placed in position and vibrated. Material and workmanship shall comply with BS8110 and Engineer's specifications.</u>	m ²	22.0			
10.10	50 mm thick blinding layer to bottom of strip footings and bases <u>Design mix to BS5328 concrete class C30, nominal maximum size of aggregate 20mm, minimum cement content 325 kg/m³, maximum water / cement ratio 0.55, placed in position and vibrated. Material and workmanship shall comply with BS8110 and Engineer's specifications.</u>	m ³	25.0			
10.11	In column bases, strip footings, ground beams, cable trench base and wall, and the like	m ³	12.0			
10.12	Columns including tie columns	m ³	1.0			
10.13	Concrete nib for stone cladding.	m ³	1.0			
10.14	Surface bed 125mm thick	m ³	25.0			
	CARRIED TO COLLECTION					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
	Formwork <u>Formwork Type A finish in accordance with specification. Rate to include for strutting at/ from any level and including rebates and grooves formers to:</u>				
10.15	To sides of column bases, strip footings, ground beams, plinths, cable trench base and wall etc	m ²	70.0		
10.16	To sides of column	m ²	5.0		
10.17	To edge of surface bed	m ²	2.0		
10.18	Extra over for forming of groove.	m ²	15.0		
	Reinforcement <u>Mild steel rod reinforcement of Grade 250 to comply to MS10 to concrete members generally cut to lengths, bent and hooked as required and bound at intersections with stout gauge mild steel tying wire including all necessary concrete supports, steel chairs and wastage.</u>				
10.19	Rods of various diameters	kg			
	<u>Round deformed high tensile rod reinforcement of Grade 460 to comply to MS10 to concrete members generally, cut to lengths, bent and hooked as required and bound at intersections with stout gauge mild steel tying wire including all necessary concrete support, steel chairs and wastage.</u>				
10.20	Rods of various diameters	kg			
10.21	<u>Fabric reinforcement to MS 34 and MS 35/BS 4483 including all necessary waste, cutting, overlapping and tying with stout gauge tying wire and steel chairs made up of 1Y8 at every square metre to be left in permanently and is to be laid with side and end laps as per Engineer's drawings.</u>	m ²	26.0		
	CARRIED TO COLLECTION				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
	Blockwalling				
10.22	150 mm thick blockwalling	m ²	13.0		
	<u>SUPERSTRUCTURE</u>				
	Concrete Work				
	<u>Design mix to BS5328 concrete class C30, nominal maximum size of aggregate 20mm, minimum cement content 325 kg/m³, maximum water / cement ratio 0.55, placed in position and vibrated. Material and workmanship shall comply with BS8110 and Engineer's specifications.</u>				
10.23	In columns including tie columns	m ³	1.0		
10.24	In beams, upstand, cills, lintels and the like	m ³	5.0		
10.25	In roof slab 125mm thick	m ³	6.0		
	Formwork				
	<u>Formwork Type C finish in accordance with specifications strutting at/from any level and including rebates or groove formers and making good to blemishes and the like as described to</u>				
10.26	Sides of column including tie columns	m ²	12.0		
10.27	Soffit of downstand beams.	m ²	3.0		
10.28	Soffit and sides of canopy.	m ²	11.0		
10.29	Sides of downstand beams, upstand beams, canopy and cills.	m ²	43.0		
10.30	Soffit of slabs and overhang	m ²	29.0		
	CARRIED TO COLLECTION				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
	<p>Reinforcement</p> <p><u>Mild steel rod reinforcement of Grade 250 to comply to MS10 to concrete members generally cut to lengths, bent and hooked as required and bound at intersections with stout gauge mild steel tying wire including all necessary concrete supports, steel chairs and wastage.</u></p>				
10.31	Rods of various diameters	kg			
	<p><u>Round deformed high tensile rod reinforcement of Grade 460 to comply to MS10 to concrete members generally, cut to lengths, bent and hooked as required and bound at intersections with stout gauge mild steel tying wire including all necessary concrete supports, steel chairs and wastage.</u></p>				
10.32	Rods of various diameters	kg			
	<p>Blockwalling</p> <p><u>Hollow concrete blocks to BS 6073: Part 1 minimum average compressive strength 3.5 N/mm² in cement mortar (1:3) as described and including wall ties at junctions as shown on Engineer's Drawings.</u></p>				
10.33	150 mm thick blockwalling	m ²	60.0		
	<p>Rendering</p> <p><u>Cement and sand render consisting of one part cement to three parts sand (1:3) mixed with an approved plasticiser, sponged finish. Rate to include for hacking concrete and for forming arrises and fair edges. Allow for 15x15mm plaster stoppers where necessary</u></p>				
10.34	20mm thick render to blockwall, beams, cills, lintols and columns (externally)	m ²	86.0		
10.35	12mm thick render to blockwall, beams, cills, lintols and columns (internally)	m ²	86.0		
10.36	12mm thick render to soffit of slabs	m ²	29.0		
	<p>Painting</p> <p><u>Prepare and apply one coat of undercoat and two finishing coats of anti-fungus paint on the following surfaces described below. Surface preparation and paint shall be done strictly as per manufacutrer's recommendation/ specification</u></p>				
	CARRIED TO COLLECTION				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
10.37	On rendered and fairface surfaces (External)	m ²	86.0			
10.38	On rendered and fairface surfaces (Internal)	m ²	86.0			
10.39	On ceiling	m ²	29.0			
	Roof coverings and rainwater pipes					
	Roof Screed					
	<i><u>Cement and rocksand screed (1 :3) mixed with an approved waterproofing compound in accordance with manufacturer's instructions laid on concrete including preparation of surfaces and dishing towards outlets. Rates for screeds and render shall include for forming arrises, fair, weathered edges, triangular fillet at edges and mesh reinforcement</u></i>					
10.40	20mm thick screed laid to roof	m ²	29.0			
	<u>UPVC Rainwater downpipes</u>					
10.41	Supply and fix 75mm diameter rigid uPVC rainwater down pipes to BS standard. Rate to include for all fittings and accessories, cutting to size, jointing as per manufacturer's details, fixing to concrete/blockwork	m	4.0			
10.42	Extra for bends	Nr	2.0			
10.43	Extra for shoes	Nr	1.0			
10.44	Dome shape 100mm diameter stainless steel grating to roof outlet.	Nr	1.0			
	<u>Catchpits</u>					
10.45	Construct catchpit overall size 550 x 550 x 600 mm deep made up with 100 mm thick reinforced concrete walling and concrete bed and with finishes and 400 x 400 x 50 mm thick reinforced concrete cover slab. Rate to include for all excavation work, removal of excavated materials, aggregate 20/40, geotextile and all finishes including painting works. All as per Architect's approval.	Nr	1.0			
	CARRIED TO COLLECTION					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
10.46	<p><u>Supply and lay approved double layer, 3mm thick (min) bottom layer and 3.0 mm thick (min) top layer of bituminous waterproofing membrane on sealer coat and hot laid with melted oxidized bitumen by specialist all in accordance with manufacturer's specifications (10 years guarantee) to be given measured net. Rate shall include for reinforcement with polyester membrane over upturn at edges and painted finish.</u></p> <p>On smooth floated screeded surfaces of flat roofs and upstand. (Flashing)</p> <p>SUNDRIES IN CONCRETE</p> <p>Joints as per Engineer's Specifications</p> <p>Openings</p> <p><u>Supply and install the following metal and aluminium door to Engineer's approval which shall be to BS Standard and as per Manufacturer's specification and to Engineer's approval. Openings shall be in approved sections to resist basic wind speed of 280 km/hr (Contractor shall submit design calculation and shop drawings, with samples to Consultants, prior to fabrication for approval. All openings shall be hot dip galvanised finish, colour to Architect's approval (80 microns minimum thickness). Powder coated and galvanised to be guaranteed for 10 years. Perimeter openings to be pointed with silicone mastic all round internally and externally.</u></p> <p><u>All joints to be made weathertight as specified by specialist. Doors to be fitted with approved double mortice cylinder lock, push or kick plates, 1 1/2 pair heavy duty butt hinges per leaf and catch wall door stops/floor stops as required manufacturer's specifications as required and heavy duty 25mm diameter aluminium powder coated handles and back plates on both sides unless otherwise specified all to Architect's approval. Details of sections fittings and general assembly to be approved by the Engineer for appearance.</u></p>	m ²	35.0		
10.47	<p>ALUMINIUM OPENINGS</p> <p>Aluminium door Type LD1 to suit structural size 1000 mm wide x 2100 mm high</p>	Nr	1.0		
10.48	<p>Aluminium door Type LD2 to suit structural size 1500 mm wide x 2100 mm high</p>	Nr	1.0		
	CARRIED TO COLLECTION				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
10.49	Metal door double leaf Type LD3 to suit structural size 2000mm wide x 2100 mm high	Nr	1.0			
10.50	Aluminium louvered window Type LW1 to suit structural size 3900 mm wide x 450 mm high	Nr	1.0			
10.51	Provide grating cover Grynweld brickhouse or equivalent. Rate to include supply, lay all as per specialist specification and details	m				
10.52	Provide and cast precast covers of size 500 x 280 x 100 mm deep. Rate to include curing, reinforcement, handling , formwork and etc.	Nr				
	CARRIED TO COLLECTION					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	COLLECTION SHEET					
	BILL NO. 10					
	Transformer Room					
	Carried from Page B10/1					
	Carried from Page B10/2					
	Carried from Page B10/3					
	Carried from Page B10/4					
	Carried from Page B10/5					
	Carried from Page B10/6					
	Carried from Page B10/7					
	Carried from Page B10/8					
	SUB-TOTAL					
	SUB-TOTAL x 3 Nos					
	CARRIED TO SUMMARY					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
	BILL NO. 11 GATE POST SUBSTRUCTURE Excavation <u>Excavate to form pits and trenches to receive column bases, strip footings, ground beams and the like, maximum depth not exceeding 2.0m, wheel and deposit in spoil heaps. Rate to include for excavation in all type of soil strata including rock, excavation for working space and backfilling to working space, support to sides of excavation and carting away of all unused materials to approved disposal site.</u>					
11.1	In pits and trenches to receive strip footing, bases, ground beams and the like.	m ³	10.0			
11.2	Under ground floor slab	m ³	2.0			
	<u>Levelling and compacting of bottom of excavations and reduce level including any necessary trimming in any material</u>					
11.3	Bottom of excavations (trenches and bases)	m ²	7.0			
	Backfilling <u>Selected fill materials arising from excavations, containing stones exceeding 100mm diameter. Rate to include for hauling up from spoil heaps, sieving (if required), backfilling and compacting in layers not exceeding 225mm to 95% Heavy MDD as described.</u>					
11.4	Selected imported fill to make up levels under floor slab, deposit, spread and level on site in layers not exceeding 200mm thick, well watered and compacted to 95% BS Heavy MDD.	m ³	2.0			
	Under Floor Filling <u>Selected approved hardcore filling consisting of sound hard stones not exceeding 150mm gauge, depositing, compacting in layers not exceeding 225mm thick to Engineer's approval.</u>					
11.5	To make up levels under floor	m ³	4.0			
	CARRIED TO COLLECTION					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
11.6	To make up levels under floors and laid to falls and cross falls Surface Treatment <u>Approved anti-termite treatment and chemical barriers to manufacturer's specifications applied strictly in accordance with manufacturer's instructions and by specialist - minimum warranty ten years.</u>	m ²	9.0			
11.7	To under floor slab (measured flat overall)	m ²	9.0			
11.8	To perimeter of building <u>0.23 mm thick polythene sheeting 150 mm laps both ways in double layer and seal with adhesive tape laid on rocksand surfaces to receive concrete (measured net-no allowance for laps).</u>	m	15.0			
11.9	Under floor bed Concrete Works <u>Design mix to BS5328 concrete class C20, nominal maximum size of aggregate 20mm, minimum cement content 250kg/m³, maximum water / cement ratio 0.65, placed in position and vibrated. Material and workmanship shall comply with BS8110 and Engineer's specifications.</u>	m ²	9.0			
11.10	50 mm thick blinding layer to bottom of strip footings and bases <u>Design mix to BS5328 concrete class C30, nominal maximum size of aggregate 20mm, minimum cement content 325 kg/m³, maximum water / cement ratio 0.55, placed in position and vibrated. Material and workmanship shall comply with BS8110 and Engineer's specifications.</u>	m ²	8.0			
11.11	In column bases, strip footings, ground beams and the like	m ³	2.0			
11.12	Columns including tie columns	m ³	0.5			
11.13	Surface bed, 125mm thick	m ³	2.0			
11.14	Nib for stonr cladding	m ³	0.5			
	CARRIED TO COLLECTION					

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
	Formwork				
	<u>Formwork Type A finish in accordance with specification. Rate to include for strutting at/ from any level and including rebates and grooves formers to:</u>				
11.15	To sides of column bases, strip footings, ground beams, plinths, etc	m ²	11.0		
11.16	To sides of column	m ²	4.0		
	Reinforcement				
	<u>Mild steel rod reinforcement of Grade 250 to comply to MS10 to concrete members generally cut to lengths, bent and hooked as required and bound at intersections with stout gauge mild steel tying wire including all necessary concrete supports, steel chairs and wastage.</u>				
11.17	Rods of various diameters	kg			
	<u>Round deformed high tensile rod reinforcement of Grade 460 to comply to MS10 to concrete members generally, cut to lengths, bent and hooked as required and bound at intersections with stout gauge mild steel tying wire including all necessary concrete support, steel chairs and wastage.</u>				
11.18	Rods of various diameters	kg			
	<u>Fabric reinforcement to MS 34 and MS 35/BS 4483 including all necessary waste, cutting, overlapping and tying with stout gauge tying wire and steel chairs made up of 1Y8 at every square metre to be left in permanently and is to be laid with side and end laps as per Engineer's drawings.</u>				
11.19	High tensile welded mesh reference A252 weighing 3.95 kg/m ² to surface bed (measured net, no allowance for laps).	m ²	11.0		
	Blockwalling				
	Hollow concrete blocks to BS 6073: Part 1 minimum average compressive strength 3.5 N/mm ² in cement mortar (1:3) as described and including wall ties at junctions as shown on Engineer's Drawings				
11.20	150 mm thick blockwalling	m ²	20.0		
	CARRIED TO COLLECTION				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
	SUPERSTRUCTURE				
	Concrete Work				
	<u>Design mix to BS5328 concrete class C30, nominal maximum size of aggregate 20mm, minimum cement content 325 kg/m³, maximum water / cement ratio 0.55, placed in position and vibrated. Material and workmanship shall comply with BS8110 and Engineer's specifications.</u>				
11.21	In columns including tie columns	m ³	0.5		
11.22	In beams, upstand, cills, lintels and the like cils	m ³	2.0		
11.23	In roof slab 125mm thick including cornice	m ³	2.0		
	Formwork				
	<u>Formwork Type C finish in accordance with specifications strutting at/from any level and including rebates or groove formers and making good to blemishes and the like as described to</u>				
11.24	Sides of column including tie columns	m ²	4.0		
11.25	Sides and soffit of downstand and upstand beams	m ²	18.0		
11.26	Soffit of slabs and overhang	m ²	9.0		
	Reinforcement				
	<u>Mild steel rod reinforcement of Grade 250 to comply to MS10 to concrete members generally cut to lengths, bent and hooked as required and bound at intersections with stout gauge mild steel tying wire including all necessary concrete supports, steel chairs and wastage.</u>				
11.27	Rods of various diameters	kg			
	<u>Round deformed high tensile rod reinforcement of Grade 460 to comply to MS10 to concrete members generally, cut to lengths, bent and hooked as required and bound at intersections with stout gauge mild steel tying wire including all necessary concrete supports, steel chairs and wastage.</u>				
	CARRIED TO COLLECTION				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
11.28	Rods of various diameters	kg			
	Blockwalling				
	<u>Hollow concrete blocks to BS 6073: Part 1 minimum average compressive strength 3.5 N/mm² in cement mortar (1:3) as described and including wall ties at junctions as shown on Engineer's Drawings.</u>				
11.29	150 mm thick blockwalling	m ²	19.0		
11.30	Ditto but 100mm thick blockwalling	m ²	6.0		
	Rendering				
	<u>Cement and sand render consisting of one part cement to three parts sand (1:3) mixed with an approved plasticiser, sponged finish. Rate to include for hacking concrete and for forming arrises and fair edges. Allow for 15x15mm plaster stoppers where necessary</u>				
11.31	20mm thick render to blockwall, beams, cills, lintols and columns (externally)	m ²	24.0		
11.32	12mm thick render to blockwall, beams, cills, lintols and columns (internally)	m ²	36.0		
11.33	12mm thick render to soffit of slabs	m ²	9.0		
	Painting				
	<u>Prepare and apply one coat of undercoat and two finishing coats of anti-fungus paint on the following surfaces described below. Surface preparation and paint shall be done strictly as per manufacutrer's recommendation/ specification</u>				
11.34	On rendered and fairface surfaces (External)	m ²	18.0		
11.35	On rendered and fairface surfaces (Internal)	m ²	36.0		
11.36	On ceiling	m ²	9.0		
	Floor Tiling				
	<u>Cement and sand screed (1:3) laid to falls and crossfalls to floors including preparation of surfaces</u>				
11.37	30mm thick screed laid level on concrete floor and finished to receive ceramic tiles	m ²	9.0		
	CARRIED TO COLLECTION				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
	<u>Supply and fix 300 x 300 x 8mm thick homogenous anti-skid acid resistant ceramic floor tiles to BS Standard EN 176 of quality, make, colour and design to the approval of the Client/Engineer and of prime cost not less than Rs.500/sqm. Tiles to be laid to pattern, including strips and borders and fixed on screeded floor with cement and sand mortar (1:1) and 'Nicobond' or equal approved floor tiles adhesive mixed and applied strictly in accordance with manufacturer's instruction and with all joints flush pointed with approved and matching colour tile grout adhesive and including all cutting, waste and cleaning on completion.</u>				
11.38	On screeded floors	m ²	9.0		
11.39	Ditto to 300 x 100 x 8mm thick skirting	m	11.0		
	Roof coverings and rainwater pipes				
	Roof Screed				
	<u>Cement and rocksand screed (1 :3) mixed with an approved waterproofing compound in accordance with manufacturer's instructions laid on concrete including preparation of surfaces and dishing towards outlets. Rates for screeds and render shall include for forming arrises, fair, weathered edges, triangular fillet at edges and mesh reinforcement</u>				
11.40	20mm thick screed laid to roof UPVC Rainwater downpipes	m ²	9.0		
11.41	Supply and fix 50mm diameter rigid uPVC rainwater down pipes to BS standard. Rate to include for all fittings and accessories, cutting to size, jointing as per manufacturer's details, fixing to concrete/blockwork	m	3.0		
11.42	Extra for bends	Nr	2.0		
11.43	Extra for shoes	Nr	2.0		
11.44	Dome shape 100mm diameter stainless steel grating to roof outlet.	Nr	1.0		
	CARRIED TO COLLECTION				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
	<p><u>Catchpits</u></p> <p>Construct catchpit overall size 550 x 550 x 600 mm deep made up with 100 mm thick reinforced concrete walling and concrete bed and with finishes and 400 x 400 x 50 mm thick reinforced concrete cover slab. Rate to include for all excavation work, removal of excavated materials, aggregate 20/40, geotextile and all finishes including painting works. All as per Architect's approval.</p> <p>Sanitary Appliances & Accessories</p> <p>Rates for this section are to include for appliances, valves, collars, fittings, traps, brackets, flush pipes supports and the like; taps shall be of an equal approved type</p> <p><u>Supply and fix the following sanitary appliances which shall be heavy duty Ideal Standard or equal approved</u></p>	Nr	1.0		
11.45	White vitreous china low level WC suite with white hard polypropylene seat, cover, trap and dual flush type cistern; including transportation cost.	Nr	1.0		
11.46	Supply and install ideal standard self-closing brass pillar tap fittings (cold water only) chrome plated with thimble spray outlet or approved equivalent.	Nr	1.0		
11.47	Supply and lay floor trap of approved type. Sample to be approved by Engineer.	Nr	1.0		
11.48	White vitreous china vanity type wash hand basin include chrome plated tap, plastic bottle trap, waste plug, chain and ancillary fittings or equal approved; including transportation cost.	Nr	1.0		
	<p><u>Supply and fix the following stainless steel sanitary accessories</u></p>				
11.49	Semi recessed ceramic paper holder	Nr	1.0		
11.50	Towel rail 900mm long	Nr	1.0		
11.51	Semi recessed soap dish	Nr	1.0		
	<p><u>Mirrors to BS 952 as described</u></p> <p><u>6mm thick mirror with bevelled edges, fixing to walls with brass dome headed screws and 3mm thick cork backing size:-</u></p>				
	CARRIED TO COLLECTION				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
11.52	600 x 600mm high mirror	Nr	1.0		
	Stone Cladding				
	Supply and place stone cladding, rate to include concrete, coloured stone, cutting and fixing in line and level.	m ²	19.0		
	OPENINGS				
	Supply and install the following epoxy powder coated aluminium to Engineer's approval which shall be to BS Standard and as per Manufacturer's specification and to Engineer's approval. Openings shall be in approved sections including all necessary mullions, transoms, beading, glazing beads with mitre cut joints and the like and glazed with a minimum of 6mm thick clear laminated glass unless otherwise specified, to resist basic wind speed of 280 km/hr (Contractor shall submit design calculation and shop drawings, with samples to Consultants, prior to fabrication for approval. All openings shall be epoxy powder coated finish to BS6496, colour to Architect's approval (80 microns minimum thickness). Powder coated to be guaranteed for 10 years. Perimeter openings to be pointed with silicone mastic all round internally and externally.				
	All joints to be made weathertight with neoprene gaskets, etc. as specified by specialist. Doors to be fitted with approved double mortice cylinder lock, push or kick plates, 1 1/2 pair heavy duty butt hinges per leaf and catch wall door stops/floor stops as required manufacturer's specifications as required and heavy duty 25mm diameter aluminium powder coated handles and back plates on both sides unless otherwise specified all to Architect's approval. Details of sections fittings and general assembly to be approved by the Engineer for appearance.				
	ALUMINIUM OPENINGS				
11.53	Aluminium door Type AD1 to suit structural size 750 mm wide x 2100 mm high	Nr	1.0		
11.54	Aluminium door Type AD2 to suit structural size 900 mm wide x 2100 mm high	Nr	1.0		
11.55	Aluminium door Type W1 to suit structural size 1000mm wide x 1200 mm high	Nr	3.0		
11.56	Aluminium door Type W2 to suit structural size 600mm wide x 600 mm high	Nr	1.0		
	CARRIED TO COLLECTION				

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
					RS	CS
11.57	Supply, fix, connect and commission 20mm diameter uPVC pressure pipe rated to PN10 connecting all user points, Rate to include for fittings, cuts, solvent weld, stop walves at each user point, brackets for fixing and making good to chasing, etc.	Sum	1.0			
11.58	Electrical works inside Gate Post to connect light points and sockets. Rate to include for supply and lay single core 1.5mm ² cable with all wiring accessories, press switches, connection boxes contactors, double gang socket, fixing of trunking complete with all fixing accessories, earthing, Polyester coffret 6 Modules, 63 Amps 2 Pole Main Circuit Breaker, RCCD 40A 30 mA, 10 Amps 1 P + N Pole Circuit Breaker for Lightings, 10 Amps 1 P + N Pole Circuit Breaker for Sockets, etc.	Sum	1.0			
CARRIED TO COLLECTION						

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT RS CS
	COLLECTION SHEET BILL NO. 11 GATE POST Carried from Page B11/1 Carried from Page B11/2 Carried from Page B11/3 Carried from Page B11/4 Carried from Page B11/5 Carried from Page B11/6 Carried from Page B11/7 Carried from Page B11/8 Carried from Page B11/9				
	CARRIED TO SUMMARY				

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
				Rs.	Rs.	Cs.
BILL NO 12 - SEWER LIFTING STATION AND ANCILLARY WORKS						
REINFORCED CONCRETE LIFTING STATION						
CIVIL WORKS						
12.1	Excavate pit for Lifting Station of internal depth not exceeding 1.5m. Rate to include for excavation in all type of strata including rock, trimming, levelling & compaction of formation level, backfilling with selected excavated materials (imported if so required), carting away any surplus excavated materials from site and all ancillary works. All as per the specifications and as per Engineer's Drawing.	m ³	34			
12.2	Do but for depth exceeding 1.5m but not exceeding 2.5 deep	m ³	23			
12.3	Do but for depth exceeding 2.5m but not exceeding 3.5 deep	m ³	18			
12.4	Do but for depth exceeding 3.5m but not exceeding 8.5 deep	m ³	83			
12.5	Level and compact bottom of excavations to 90% BS to receive mass concrete	m ²	23			
12.6	50 mm thick blinding to bottom of excavations.	m ²	5.0			
12.7	Supply, place and compact 200 mm layer of hardcore material of maximum grading 150 mm size below blinding layer.	m ³	5.0			
REINFORCED CONCRETE GRADE 35 N/mm² AS SPECIFIED						
12.8	In base of lifting station	m ³	15.0			
12.9	In wall 350 mm thick	m ³	35.0			
12.10	In suspended slab 300 mm thick	m ³	6.0			
12.11	Extra Over to Lifting Station Concrete for Addition of Waterproof Admixture Type "Penetron" or Equivalent and Waterproof Barrier Type "Penebar" or equivalent. Contractor to provide Decennial Warranty for Waterproofing works.	Sum	1			
CONCRETE GRADE 20 N/mm² AS SPECIFIED						
12.12	Mass Concrete Benching grade 20/20 complete with formwork and smooth grade U1 finish.	m ³	5.0			
FORMWORK TO TYPE C FINISH IN ACCORDANCE WITH SPECIFICATIONS						
12.13	To internal sides of wall	m ²	87.0			
CARRIED TO COLLECTION						

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
				Rs.	Rs.	Cs.
12.14	To soffit of suspended slab FORMWORK TO TYPE B FINISH IN ACCORDANCE WITH SPECIFICATIONS	m ²	15.0			
12.15	To external sides of wall	m ²	110			
12.16	Temporary boxing in formwork to soffit of suspended slab to form opening of internal size 1500 x 750 mm	No	1			
12.17	Do but 600 x 600 mm CEMENT AND SAND (1:3) MIXED WITH AN APPROVED WATERPROOFING COMPOUND LAID ON CONCRETE INCLUDING PREPARATION OF SURFACES AND LABOUR FOR FORMING ARRISES AND FAIR EDGES	No	4			
12.18	50 mm thick screed laid to slope to base ROUND DEFORMED HIGH TENSILE STEEL ROD REINFORCEMENT TO COMPLY TO MS10 TO CONCRETE MEMBERS GENERALLY, CUT TO LAYERS, BENT AND HOOKED AS REQUIRED AND BOUND AT INTERSECTIONS WITH STOUT GAUGE MILD STEEL TYING WIRE INCLUDING ALL NECESSARY CONCRETE SUPPORTS , STEEL CHAIRS AND WASTAGE	m ²	13			
12.19	Rods of various diameters (Provisional)	kg	4700.00			
12.20	Extra over in reinforced concrete wall to form opening for inlet pipe (diameter to latter detail)	No	2			
12.21	Do but for 110 mm diameter outlet pipe for rising main	No	1			
12.22	75 mm diameter PVC sleeve 300 mm long for electric cables (size and position to be confirmed by equipment suppliers)	No	2			
	CARRIED TO COLLECTION					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
				Rs.	Rs.	Cs.
	HOT DIP GALVANISED COVERS					
12.23	Supply, bed, set and point 1600 X 850mm clear opening Cover with Hinge, angle bar Frame and handle with minimum 85 microns Hot Dip Galv., epoxy primer and 2 coats of epoxy paint. Rate to include sealant compound in grooves and shop drawings for Engineer's approval.	No	1			
12.24	Supply & fix hinged type D400 heavy duty Double Seal Manhole Cover & frame of clear opening 600mm X 600mm to BS EN124, etc. all complete as per drawings & specifications.	No	2			
	AIR VENT					
12.25	Supply and fix in position 200mm diameter galvanised iron air vent . All to be with 85 microns Hot Dip Galv., approved epoxy primer.	No	1			
12.26	75mm dia Coring in RC Wall for cable and services	No	4			
	HOT DIP GALVANISED LADDER					
12.27	Supply and fix in position ladder overall length 7.4m and internal size 400 mm wide, made up with 85x10mm thick flat plate as stringers and min. Ø 22mm galvanised steel rods as rungs at 300 mm centres welded to stringers with and including 10 mm thick diameter galvanised approx. 277m long 85x10mm thick brackets at 1000 mm centres, with one end bolted (16mm) to stringers and other end welded to 185x150x8mm thick galvanised mild steel base plate , each plate 4 times & drilled (10mm) to wall and top ends of stringers fixed on wall. Bottom of ladder welded to a base plate which in turn is bolted (2 no. 10mm per base plate) and resting on concrete base. All as per drwg (dwg no. 22-130-L1655-T0). Whole ladder to be hot dipped galvanised to 120 microns + Apply epoxy Primer + 2 coat of polyurethane paint after manufacture including all connections and fillet welds. Fillet weld to be minimum 6mm thick. Length of ladder may vary depending on workmanship.	No	1			
	CARRIED TO COLLECTION					

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT	
				Rs.	Rs.	Cs.
12.28	Supply & Fix Penebar or equivalent at horizontal construction joints. All complete as per Drawings and Specifications. Allow for lapping as per manufacturer's specifications.	m	35			
12.29	Supply, fix, connect and commission 2 nos. stainless steel pump connected in parallel c/w control panel (1 on duty pump and 1 stand by pump) and piping accessories like tees, elbows, sluice valves, non return valves etc. ready for connection, pumps to work in cascade and duty standby mode. Similar to Gundfos Scalad 2 or equivalent . Capacity per pump = 6lt per second - Head = 10m	No	2			
12.30	Construct control room. Rate to include for excavation in all strata (including rock strata), blinding, reinforced concrete, formwork, reinforcement, rendering, openings, diesel tank complete with pipes and fitting, etc. 1.8m high perimeter chain link fencing including concrete base, diesel tank base, galvanised metal post, 3m wide double swing gate in chain link fencing. All as per Engineer's drawings and specifications.	No	1			
12.31	Supply and place Heavy Duty Generator. Rate to include transport, fixing, connect, etc.	No	1			
12.32	Allow for testing and commisioning of all supplied equipments as per manufacturer's specifications	Sum	1			
12.33	Allow for the submission of As-Built drawings. 3 Nos. hard copies and 1 No. soft copy upon completion of the works	Sum	1			
CARRIED TO COLLECTION						

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE Rs.	AMOUNT Rs. Cs.	
	<p>BILL NO 12 - SEWER LIFTING STATION AND ANCILLARY WORKS</p> <p><u>COLLECTION SHEET</u></p> <p>carried from Page B12/1</p> <p>carried from Page B12/2</p> <p>carried from Page B12/3</p> <p>carried from Page B12/4</p>					
	CARRIED TO MAIN SUMMARY					

LANDSCOPE (MAURITIUS) LTD
INFRASTRUCTURE WORKS FOR NEW RESIDENTIAL MORCELLEMENT AT COTE D'OR

MAIN SUMMARY

		Amount (Rs)
Bill No 1	Preliminaries and Conditions of Contract Brought Forward from Page B1/ 4	_____
Bill No 2	Provisional Sums and Contingencies Brought Forward from Page B2/2	_____
Bill No 3	Roadworks Brought Forward from Page B3/7	_____
Bill No 4A	Water Reticulation Brought Forward from Page B4A/5	_____
Bill No 4B	Offsite Water Reticulation Brought Forward from Page B4B/4	_____
Bill No 5A	Electrical Network HV/LV Brought Forward from Page B5A/5	_____
Bill No 5B	Offsite Electrical Network HV/LV Brought Forward from Page B5B/3	_____
Bill No 6	Telecommunication Network Brought Forward from Page B6/4	_____
Bill No 7	Street Light Brought Forward from Page B7/2	_____
Bill No 8A	Gravity Sewerage Works Brought Forward from Page 8A/5	_____
Bill No 8B	Rising Main Sewer Brought Forward from Page 8B/6	_____
Bill No 9A	Perimeter Wall - 1.8m High Blockwall Brought Forward from Page B9A/3	_____
Bill No 9B	Perimeter Wall - 1.8m Frontage Wall Brought Forward from Page B9B/4	_____
Bill No 9C	Plot Frontage Wall Brought Forward from Page B9C/4	_____
Bill No 10	Transformer Room Brought Forward from Page B10/9	_____
Bill No 11	Gate Post Brought Forward from Page B11/10	_____
Bill No 12	Lifting Station Brought Forward from Page B12/5	_____
	Sub-Total	
	Add 15% VAT	_____
	Total amount inclusive of VAT	_____

Dated this Day of

Signed

Name

Position

Duly authorised for and on behalf of Company

.....

ITEM NO.	DESCRIPTION	UNIT	RATE
	SCHEDULE OF RATES		
A	SECTION A		
	MATERIALS		
	<u>Concrete</u>		
1	Supply and place concrete grade 20/20	m ³	
2	Ditto but 25/20	m ³	
3	Ditto but 30/20	m ³	
	<u>Formwork</u>		
4	Rough faced formwork for concrete	m ²	
5	Ditto but fair faced	m ²	
	<u>Reinforcement</u>		
6	High yield reinforcement	kg	
7	Mild steel reinforcement	kg	
	<u>Miscellaneous Items</u>		
8	Supply and place geotextile membrane	m ²	
9	Supply and lay 200mm PVC pipe	m	
10	Supply and place aggregate 20/40	m ³	
11	Polyethene sheeting	m ²	
12	Mesh reinforcement A142	m ²	
	<u>Masonry Works</u>		
13	150mm thick blockwall	m ²	
14	200mm thick blockwall	m ²	
15	15mm rendering	m ²	
16	Screed	m ²	
	<u>Finishes</u>		
17	Emulsion paint (3 coats)	m ²	

ITEM NO.	DESCRIPTION	UNIT	RATE
B SECTION B <u>LABOUR</u> The rates inserted herein are to include all costs of labour, including the use and maintenance of tools and small plant such as scaffolding, wheel barrows, shovels, hand pumps, etc. any extra costs of overtime, insurances, accommodation, travelling times and expenses to and from the site, etc. together with all superintendence and profits.			
	18 Foreman	hr	
	19 Skilled labourer	hr	
	20 Unskilled labourer	hr	
	21 Carpenter	hr	
	22 Steelwork fixer	hr	
	23 Driver for vehicle up to 10 tons	hr	
	24 Operator for excavator, dragline, tractor, shovel, or crane	hr	
	25 Mechanic	hr	
	26 Plumber	hr	

ITEM NO.	DESCRIPTION	UNIT	RATE
SECTION C			
<u>CONTRACTOR'S EQUIPMENT</u>			
<p>The rates inserted herein are to include all operational maintenance costs including fuel, oil, grease, spare parts, repairs, any extra costs of overtime, idle time and all superintendence, overheads and profits. The rates shall also include all travelling time and costs for the plant operators, etc. to and from and around the Site.</p>			
27	Excavator 1m ³	hr	
28	Scraper (12-15m ³)	hr	
29	Grader	hr	
30	Smooth tyred roller - 10 tonnes	hr	
31	Pneumatic tyred roller - 10/15 tonnes	hr	
32	Hand roller (1.5 tonnes)	hr	
33	Concrete mixer	hr	
34	Poker vibrator	hr	
35	Bitumen sprayer	hr	
36	Asphalt paver	hr	
37	Compressor with all tools, hoses, etc.	hr	
38	2 tonnes dumper	hr	
39	7 tonnes tipping lorry	hr	

Technical Proposal

- **Site Organization**
- **Method Statement**
- **Mobilization Schedule**
- **Construction Schedule**
- **Equipment**
- **Others**

Site Organization

Method Statement

Mobilization Schedule

Construction Schedule

Form EQU: Equipment

The Bidder shall provide adequate information to demonstrate clearly that it has the capability to meet the requirements for the key equipment listed in Section III, Evaluation and Qualification Criteria. A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Bidder.

Item of equipment		
Equipment information	Name of manufacturer	Model and power rating
	Capacity	Year of manufacture
Current status	Current location	
	Details of current commitments	
Source	Indicate source of the equipment <input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased <input type="checkbox"/> Specially manufactured	

Omit the following information for equipment owned by the Bidder.

Owner	Name of owner	
	Address of owner	
	Telephone	Contact name and title
	Fax	Telex
Agreements	Details of rental / lease / manufacture agreements specific to the project	

Personnel

Form PER-1: Proposed Personnel

Bidders should provide the names of suitably qualified personnel to meet the specified requirements stated in Section III. The data on their experience should be supplied using the Form below for each candidate.

1.	Title of position*
	Name
2.	Title of position*
	Name
3.	Title of position*
	Name
4.	Title of position*
	Name

*As listed in Section III.

Bidders Qualification without prequalification

To establish its qualifications to perform the contract in accordance with Section III (Evaluation and Qualification Criteria) the Bidder shall provide the information requested in the corresponding Information Sheets included hereunder.

Form ELI – 1: Bidder’s Information Sheet

Bidder’s Information	
Bidder’s legal name	
In case of JV, legal name of each partner	
Bidder’s country of constitution	
Bidder’s year of constitution	
Bidder’s legal address in country of constitution	
Bidder’s authorized representative (name, address, telephone numbers, fax numbers, e-mail address)	
<p>Attached are copies of the following original documents.</p> <ul style="list-style-type: none"> <input type="checkbox"/> 1. In case of single entity, articles of incorporation or constitution of the legal entity named above, in accordance with ITB 5.2 and 5.3. <input type="checkbox"/> 2. Authorization to represent the firm or JV named in above, in accordance with ITB 210.2. <input type="checkbox"/> 3. In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB 5.2. <input type="checkbox"/> 4. In case of a government-owned entity, any additional documents not covered under 1 above required to comply with ITB 5.6. 	

Form ELI – 2: JV Information Sheet

Each member of a JV must fill in this form

JV / Specialist Subcontractor Information	
Bidder's legal name	
JV Partner's or Subcontractor's legal name	
JV Partner's or Subcontractor's country of constitution	
JV Partner's or Subcontractor's year of constitution	
JV Partner's or Subcontractor's legal address in country of constitution	
JV Partner's or Subcontractor's authorized representative information <small>(name, address, telephone numbers, fax numbers, e-mail address)</small>	
<p>Attached are copies of the following original documents.</p> <ul style="list-style-type: none"> <input type="checkbox"/> 1. Articles of incorporation or constitution of the legal entity named above, in accordance with ITB 5.2 and 5.3. <input type="checkbox"/> 2. Authorization to represent the firm named above, in accordance with ITB 21.2. <input type="checkbox"/> 3. In the case of government-owned entity, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB 5.6 	

Form CON – 2: Historical Contract Non-Performance

[The following table shall be filled in for the Bidder and for each partner of a Joint Venture]

Bidder's Legal Name: _____

Date: _____

Joint Venture Party Legal Name: _____

ICB No. and title: _____

Page _____ of _____ pages

Non-Performing Contracts in accordance with Section III, Qualification Criteria and Requirements			
<input type="checkbox"/> Contract non-performance did not occur during the ____ years specified in Section III, Qualification Criteria and Requirements, Sub-Factor 2.1.			
<input type="checkbox"/> Contract(s) not performed during the ____ years specified in Section III, Qualification Criteria and Requirements, requirement 2.1			
Year	Non performed portion of contract	Contract Identification	Total Contract Amount (current value, US\$ equivalent)
		Contract Identification: Name of Employer: Address of Employer: Reason(s) for non performance:	
Pending Litigation, in accordance with Section III, Qualification Criteria and Requirements			
<input type="checkbox"/> No pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.2.			
<input type="checkbox"/> Pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.2 as indicated below.			
Year	Outcome as Percentage of Total Assets	Contract Identification	Total Contract Amount (current value, US\$ equivalent)
		Contract Identification: Name of Employer:/ Address of Employer: Matter in dispute:	

Form FIN – 1: Financial Situation

Each Bidder or member of a JV must fill in this form

Financial Data for Previous 3 Years [US\$ Equivalent]		
Year 1:	Year 2:	Year 3:

Information from Balance Sheet

Total Assets			
Total Liabilities			
Net Worth			
Current Assets			
Current Liabilities			

Information from Income Statement

Total Revenues			
Profits Before Taxes			
Profits After Taxes			

- Attached are copies of financial statements (balance sheets including all related notes, and income statements) for the last three years, as indicated above, complying with the following conditions.
- All such documents reflect the financial situation of the Bidder or partner to a JV, and not sister or parent companies.
 - Historic financial statements must be audited by a certified accountant.
 - Historic financial statements must be complete, including all notes to the financial statements.
 - Historic financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).

Form FIN – 3: 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 indicated in Section III (Evaluation and Qualification Criteria)

Financial Resources		
No.	Source of financing	Amount (US\$ equivalent)
1		
2		
3		

Form FIN – 4: Current Contract Commitments / Works in Progress

Bidders and each partner to 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.

Current Contract Commitments					
No.	Name of Contract	Employer's Contact Address, Tel, Fax	Value of Outstanding Work [Current US\$ Equivalent]	Estimated Completion Date	Average Monthly Invoicing Over Last Six Months [US\$/month]
1					
2					
3					
4					
5					

Form EXP – 2(a): Specific Construction Experience

Fill up one (1) form per contract.

Contract of Similar Size and Nature			
Contract No of	Contract Identification		
Award Date	Completion Date		
Role in Contract	Contractor	Management Contractor	Subcontractor
Total Contract Amount	US\$		
If partner in a JV or subcontractor, specify participation of total contract amount	Percent of Total	Amount	
Employer's Name Address Telephone/Fax Number E-mail			
Description of the similarity in accordance with Criteria 2.4.2(a) of Section III			

Form EXP – 2(b): Specific Construction Experience in Key Activities

Fill up one (1) form per contract

Contract with Similar Key Activities		
Contract No of	Contract Identification	
Award Date	Completion Date	
Role in Contract	<input type="checkbox"/> Contractor <input type="checkbox"/> Management Contractor <input type="checkbox"/> Subcontractor	
Total Contract Amount	US\$	
If partner in a JV or subcontractor, specify participation of total contract amount	Percent of Total	Amount
Employer’s Name Address Telephone Number Fax Number E-mail		
Description of the key activities in accordance with Criteria 2.4.2(b) of Section III		

Form of Bid Security

(Bank/Insurance Guarantee)

.....*Bank/Insurance’s Name and Address of issuing Branch or Office*.....

Beneficiary: *Name and Address of Public Body*.....

Date:

BID GUARANTEE No.:

We have been informed that*name of the Bidder*..... (hereinafter called "the Bidder") has submitted to you its bid dated..... (hereinafter called "the Bid") for the execution of*name of contract* under Invitation for Bids No.....*IFB number* (“the IFB”).

Furthermore, we understand that, according to your conditions, bids must be supported by a bid security.

At the request of the Bidder, we*name of Bank/ Insurance company* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of*amount in figures*..... .(*.....amount in words.....*) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has modified or withdrawn its Bid after the deadline for submission of its bid during the period of bid validity specified by the Bidder in the Form of Bid; or
- (b) has refused to accept a correction of an error appearing on the face of the Bid; or
- (c) having been notified of the acceptance of its Bid by the Public Body during the period of bid validity, (i) has failed or refused to sign the contract Form, if required, or (ii) has failed or refused to furnish the performance security, in accordance with the Instructions to Bidders.

This guarantee shall expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the contract signed by the Bidder and the performance security issued to you upon the instruction of the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder of the name of the successful bidder; or (ii) thirty days after the expiration of the Bidder’s Bid.

Consequently, any demand for payment under this guarantee must be received by us at the office on or before*Public Body to insert date*.....

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758. (Applicable to overseas bidders only).

.....Bank/Insurance Company's seal and authorized signature(s).....

PART 2 –WORKS REQUIREMENTS

Section V. Works Requirements

Contents

Scope of Works.....	71
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Scope of Works

The works are divided in two (2) sections:

Section 1: All works excluding off-site sewer works

Section 2: Offsite Rising Main + Pumping Station

The scope of works include interalia:

Section 1:

- 1.The construction of asphaltic onsite roads over a stretch of approximately 1550m and of width 6.0m, in flexible pavement with a hardcore layer, crushed stone road-base and bituminous wearing course.
- 2.The construction of a 1.2m wide reinforced concrete footpath on both sides of the onsite road network.
- 3.The construction of reinforced concrete drain and upgrading of existing swale alongside B48 road
- 4.The construction of a drainage network to ensure proper stormwater management. The stormwater drainage network shall comprise of reinforced concrete drains and earth swales at the discharge point.
- 5.The construction of an onsite water reticulation network which shall comprise of DI pipes with necessary fittings, valves, and fire hydrants. Each plot is serviced with a tapping point from the main CWA line on the road reserve.
- 6.The construction of an offsite water reticulation network which shall comprise of DI pipes with necessary fittings and valves to CWA network along B48 Road Reserve.
- 7.Civil engineering works for underground electrical network. An offsite electrical reticulation network shall be constructed from an existing transformer room on B48 Road to the onsite electrical reticulation network.
- 8.Civil engineering works associated with an underground telecommunication network and necessary plot connections.
- 9.Solar Streetlighting lamps shall be erected on poles.
- 10.The construction of perimeter boundary wall.
- 11.Miscellaneous road works such as road marking, traffic signs, kerb painting at junctions and other road furniture.
- 12.Relocation of existing services, if any.
- 13.Landscaping of road reserves, green belts, and other associated works.
14. Construction of Gate Post and Transformer Buildings.

Section 2:

Off-site sewer works

Offsite Rising Main + Pumping Station

Specification

General Specification + Annex A	1 to 30
Specification for Site Clearance and Earthworks	1 to 18
Specification for Materials	1 to 37
Specification for Roadworks	1 to 55
Specification for Water Supply Works	1 to 23
Specification for Telecommunication/Electrical Works	1 to 10
Specification for Testing	1 to 17
Specification for Concrete	1 to 42
Specification for Drainage Works	1 to 7
Specification for Solar Powered Road Lighting	1 to 6
Specification for Landscaping	1 to 2
Specification for Excavation, Under Floor/Hardcore Filling	1 to 7
Specification for Blockwork	1 to 3
Specification for Interlocking Concrete Paving	1 to 9
Specification for Requirements of Ready Mixed Concrete	1 to 1
Specification for Precast Concrete	1 to 9
Specification for Testing of Concrete Structure Retaining Aqueous Liquids	1 to 1
Specification for Pumps	1 to 2
Specification for Painting	1 to 5
Specification for Roof Waterproofing	1 to 2

Drawings

List of Tender Drawings

Drawing No	Rev	Drawing Title
22-130-L0	T0	General Notes
22-130-L10	T0	Site & Location Plan
22-130-L20	T0	Road Layout
22-130-LS20	T0	L-Section - Road (Sheet 1/2)
22-130-LS21	T0	L-Section - Road (Sheet 2/2)
22-130-L100	T0	Drainage Layout
22-130-L200	T0	Water Reticulation Layout
22-130-L300	T0	Electrical Layout
22-130-L400	T0	Streetlighting Layout
22-130-L500	T0	Telecommunication Layout
22-130-L600	T1	Sewer - Onsite Layout
22-130-LS600	T0	Sewer - Onsite L-Section (sheet 1/2)
22-130-LS601	T0	Sewer - Onsite L-Section (sheet 2/2)
22-130-L610	T0	Sewer – Rising Main Layout (sheet 1/3)
22-130-L611	T0	Sewer – Rising Main Layout (sheet 2/3)
22-130-L612	T0	Sewer – Rising Main Layout (sheet 3/3)
22-130-LS610	T0	Sewer – Rising Main L-Section (sheet 1/2)
22-130-LS611	T0	Sewer – Rising Main L-Section (sheet 2/2)
22-130-L800	T1	Typical Sections of Road (Sheet 1/5)
22-130-L801	T1	Typical Sections of Road (Sheet 2/5)
22-130-L802	T1	Typical Sections of Road (Sheet 3/5)
22-130-L803	T1	Typical Sections of Road (Sheet 4/5)
22-130-L804	T1	Typical Sections of Road (Sheet 5/5)
22-130-L810	T0	Sections Road Technical Yard
22-130-L1000	T0	Typical Road Detail in Cut Fill
22-130-L1001	T0	Typical Kerb
22-130-L1002	T1	Typical Footpath 1 5m Wide
22-130-L1006	T0	Typical Buslayby Detail
22-130-L1008	T0	Typical Detail Of Road Marking & Road Signage
22-130-L1009	T0	Fixing Detail to Sign Post
22-130-L1010	T0	Typical Handrail Detail
22-130-L1013	T0	Fencing Details
22-130-L1014	T0	Fence Gate Details
22-130-L1100	T0	Typical Detail of RC Drain (Sheet 1/2)
22-130-L1111	T0	Typical Details of Earth Swale

Drawing No	Rev	Drawing Title
22-130-L1112	T0	Typical Details of RC Drain 1.5m wide x 1.2m deep & RC Culvert
22-130-L1114	T0	Typical Details of Steel Bracket
22-130-L1115	T0	Typical Details of Wing Wall
22-130-L1116	T0	Boundary Wall Details
22-130-L1118	T0	Grating Details
22-130-L1119	T0	Removable Precast Concrete Slabs @ Every 3m
22-130-L1250	T0	Water - Typical Trench Section and Marker Post Details D.I Pipe
22-130-L1251	T0	Water Reticulation - Sluice Valve Arrangement
22-130-L1252	T0	Water Reticulation - Fire Hydrant Detail D.I Pipe
22-130-L1254	T0	Water Reticulation - Washout Detail D.I Pipe
22-130-L1257	T0	Water Reticulation - Double Orifice Air Valve Detail D.I Pipe
22-130-L1258	T0	Water Reticulation - Thrust Block Detail D.I Pipe
22-130-L1259	T0	Water Reticulation - Connection Schedule D.I Pipe
22-130-L1260	T0	Water Reticulation - House Hold Connection D.I Pipe
22-130-L1300	T0	Electrical - Typical Trench Detail For LV & HV Cable (2Nos. PVC PIPES)
22-130-L1301	T0	Electrical - Typical Trench Detail For LV & HV Cable (3Nos. PVC PIPES)
22-130-L1302	T0	Electrical - Typical Trench Detail For LV & HV Cable (4Nos. Ø160mm + 2Nos. Ø63mm PVC PIPES)
22-130-L1305	T0	Electrical - Typical Road Crossing Detail For House Connection
22-130-L1306	T0	Electrical - Typical Detail Of House Connection Drawpit
22-130-L1308	T0	Electrical - Ring Main Unit (RMU)
22-130-L1309	T0	Electrical - LV Pillar For UG Cable (Sheet 1/2)
22-130-L1310	T0	Electrical - LV Pillar For UG Cable (Sheet 2/2)
22-130-L1313	T0	Electrical - Typical Detail Of Drawpit T1
22-130-L1314	T0	Electrical - Typical Detail Of Drawpit X
22-130-L1315	T0	Electrical - Typical Detail Of Drawpit S1
22-130-L1317	T0	Electrical - Typical Detail Of Angular Drawpit A1
22-130-L1350	T0	Transformer Room Foundation Layout (Type 2)
22-130-L1351	T0	Transformer Room Roof Layout And Reinforcement (Type 2)
22-130-L1400	T0	Street Lighting - Typical Trench Detail
22-130-L1401	T0	Street Lighting - Typical Base Detail Of 6m High Lamp Post
22-130-L1403	T0	Street Lighting - Drawpit Detail
22-130-L1404	T0	Street Lighting - Distribution Pillar Detail
22-130-L1500	T0	Telecommunication - Typical Trench Detail (Sheet 1/3)

Drawing No	Rev	Drawing Title
22-130-L1501	T0	Telecommunication - Typical Trench Detail (Sheet 2/3)
22-130-L1502	T0	Telecommunication - Typical Trench Detail (Sheet 3/3)
22-130-L1505	T0	Telecommunication - Typical Detail Of Cubical
22-130-L1506	T0	Telecommunication - Typical Details Of Cable Bearer Type L1
22-130-L1507	T0	Telecommunication - Typical Details Of Cable Bearer Type L2
22-130-L1508	T0	Telecommunication - Typical Details Of Cable Bearer Type L3
22-130-L1509	T0	Telecommunication - Typical Details Of Anchor Iron
22-130-L1514	T0	Telecommunication - Typical Details Of Manholes L1T
22-130-L1515	T0	Telecommunication - Typical Details Of Manholes L2T
22-130-L1516	T0	Telecommunication - Typical Details Of Manholes L3T
22-130-L1518	T0	Telecommunication - Typical Details Of Manhole K2C
22-130-L1519	T0	Telecommunication - Typical Details Of Manhole M1C
22-130-L1600	T0	Sewer - Typical Trench Detail
22-130-L1601	T0	Sewer - Plot Inspection Chamber (Max. 0.8m deep)
22-130-L1602	T0	Sewer - Connection To Main Sewer Pipe
22-130-L1603	T0	Sewer - Break Pressure Manhole
22-130-L1604	T0	Sewer - Back Drop
22-130-L1605	T0	Sewer - Manhole Type A (Max. depth 1.3m)
22-130-L1606	T0	Sewer - Manhole Type B (1.3m to 2.4m Deep)
22-130-L1607	T0	Sewer - Manhole Type C (2.4m to 5m Deep)
22-130-L1608	T0	Sewer - Manhole Type D (0.6m x 1m x 1 mDeep)
22-130-L1609	T0	Sewer - Manhole Type E (0.45m x0.45m x 0.60m Deep)
22-130-L1610	T0	Sewer - Double Orifice Aivalve Detail
22-130-L1611	T0	Sewer - Washout Arrangement
22-130-L1612	T0	Sewer - Thrust Block Details
22-130-L1613	T0	Sewer - Control Room Details (Sheet 1/2)
22-130-L1614	T0	Sewer - Control Room Details (Sheet 2/2)
22-130-L1650	T0	Sewer - Lifting Station - Roof Layout
22-130-L1651	T1	Sewer - Lifting Station - Sectional Plan
22-130-L1652	T1	Sewer - Lifting Station - Section 1-1
22-130-L1653	T0	Sewer - Lifting Station - Reinforcement Detail
22-130-L1655	T0	Sewer - Lifting Station - Details of cat Ladder
22-130-L1656	T0	Sewer - Detail Connection to Main Sewer Line
22-130-L1700	T0	Gate Post - Ground Floor layout
22-130-L1701	T0	Gate Post - Foundation Layout and Sections
22-130-L1702	T0	Gate Post - Roof Layout and Sections

Supplementary Information

EIA Report

PART 3 – CONDITIONS OF CONTRACT AND CONTRACT FORMS

Section VI. General Conditions (GC)

The General Conditions of Contract applicable for this particular Bidding Exercise is as follows:

FIDIC FEDERATION INTERNATIONALE DES INGENIEURS-CONSEIL

FIDIC CONDITIONS OF CONTRACT FOR CONSTRUCTION

FOR BUILDING AND ENGINEERING WORKS DESIGNED BY THE EMPLOYER

FIRST EDITION 1999

DEFINITION:

THE WORD "TENDER" IN THE FIDIC DOCUMENT SHALL MEAN "BID" AND VICE
VERSA FOR CONSISTENCY WITH OTHER PARTS OF THE BID DOCUMENT.

THE TERM "ENGINEER" AND "PROJECT MANAGER" REFER TO THE SAME PARTY.

NOTE

FOR FULL DETAILS OF THE GENERAL CONDITIONS OF CONTRACT, THE
CONTRACTOR SHOULD REFER TO THE PUBLISHED DOCUMENT OF FIDIC.

This document may be purchased from:

FIDIC Bookshop
P O Box 86,
1000 Lausanne 12,
SWITZERLAND.

APPENDIX A
APPENDIX TO CONDITIONS OF CONTRACT

Item	Sub-Clause	Data
Employer's name and address	1.1.2.2 & 1.3	Landscape (Mauritius) Ltd 7th Floor – Wing A, Shri Atal Bihari Vajpayee Tower Ebene Cybercity Mauritius
Contractor's name and address	1.1.2.3 & 1.3	
Engineer's name and address	1.1.2.4 & 1.3	Servansingh Jadav & Partners Consulting Engineers Limited 7, Remy Ollier Street Beau Bassin
Time for completion of the Works	1.1.3.3	<p>1) Section 1 - On-site works: 450 calendar days from Commencement Date</p> <p>2) Section 2 - Off-site Sewer works: 120 calendar days from Notice to Commence Section 2 - Offsite Sewer works</p> <p>Latest Start for Off-site sewer works: 120 days after Commencement Date of Section 1</p> <p>The above period includes for festivity period, public holidays and other non-official religious or other activities.</p>
Defects Notification Period	1.1.3.7	365 days
Communication (Electronic transmission systems)	1.3	All correspondences pertaining to contractual matters related to the Contract shall be in writing under cover of a letter. Day to Day Site issues can be by Telefax and E-mails and from duly authorized site personnel.
Governing law	1.4	Law of Republic of Mauritius
Ruling language	1.4	English
Language for communications	1.4	English
Time for access to the site	2.1	On Commencement Date
Amount of Performance Security	4.2	10% of the Accepted Contract Amount as stated in Contract Agreement

Item	Sub-Clause	Data
Normal working hours	6.5	As per sub-clause 6.5 in Particular Conditions of Contract and in compliance with the Workers' Right Act 2019 and with any latest Regulations.
Programme	8.3	Within 14 days after receiving the notice.
Delay damages for the Works	8.7 & 14.15(b)	Section 1 - On-Site works excluding off-site sewer works - MUR 150,000.00 Section 2 - Off-Site Sewer works – MUR 50,000.00
Maximum amount of delay damages	8.7	Up to a maximum of 10% of sum stated in the Contract Agreement
Percentage adjustment of Provisional Sums	13.5(b)	To be included under the relevant Bill
Adjustment for changes in cost	13.8	Not applicable
Total advance payment	14.2	10% of the Contract Price as stated in the Contract Agreement less Provisional Sums and Contingencies
Number and timing of instalments of the advance payment	14.2	One. The advance payment shall be released only after obtaining an unconditional first demand bank Guarantee from an approved local commercial bank for the amount of advance to be released and valid for the contract period.
Repayment of advance payment	14.2(a)	iii. It shall be ensured that at any point of time, the Bank Guarantee is available for the amount of outstanding advance. iv. The recovery shall commence after the value of works, including value of materials on/off site and variations, has reached twenty-five percent (25%) of the Accepted Contract Amount less Provisional Sums and Contingencies. The entire amount shall be recovered by the time eighty percent (80%) of the Accepted Contract Amount less Provisional Sums and Contingencies is reached.
Amortisation Rate	14.2(b)	Not Applicable
Percentage of retention	14.3	10% of the Certified Value of Works

Item	Sub-Clause	Data
Limit of Retention Money	14.3	Limit at 5% of the sum stated in the Contract Agreement
Minimum amount of Interim Payment Certificates	14.6	MUR 5,000,000.00
Delayed Payment	14.8	Finance Charges shall be equivalent to the Repo Rate as determined by the Bank of Mauritius.
Currency	14.15	Mauritian Rupees (MUR)
Periods for submission of insurance – evidence of insurance	18.1(a)	By the Commencement Date
Periods for submission of insurance – relevant policies	18.1(b)	14 days after the Commencement Date
Insurance of Works and Contractor Equipment	18.2	Contract Price including VAT + 15% for Consultant fees.
Maximum amount of deductibles for insurance of Employer's risk	18.2(d)	MUR 100,000.00
Minimum amount of third party insurance	18.3	Minimum of Rs 25 Million per occurrence with the number of occurrences unlimited

Initials of Signatory of Tender _____

Name of Tenderer: _____

Address _____

Date

Section VII. Particular Conditions (PC)

PART II - CONDITIONS OF PARTICULAR APPLICATION

Clause 1 General Provisions

Sub Clause 1.1 Definitions

1.1.2.2 The Employer is **LANDSCOPE (MAURITIUS) LTD**, 7th Floor – Wing A, Shri Atal Bihari Vajpayee Tower, Ebene Cybercity, Mauritius

1.1.2.4 The term “**Engineer**” throughout all the contract shall be deemed to mean **Servansingh Jadav and Partners Consulting Engineers Ltd of registered address, 7 Rémy Ollier Street, Beau Bassin (Tel No: +230 466-2777 – Fax No: +230 467 7984)** and who shall also be the Project Manager.

Sub-Clause 1.4 Law and Language

(a) The law is that which is in force in Mauritius.

(b)The language for communications is the English Language

Sub-Clause 1.5 Priority of Documents

Delete the documents listed (a) to (h) and substitute as follows:

- (a) the Contract Agreement
- (b) the Letter of Acceptance
- (c) the Bid and Addenda, if any
- (d) the Conditions of Particular Application - Part II of the Conditions of Contract
- (e) the General Conditions of Contract Part I
- (f) the Specification
- (g) the Drawings and
- (h) the priced Bill of Quantities

Clause 3 The Engineer

Sub-Clause 3.1 Engineer's Duties and Authority

Add the following paragraphs to Sub-Clause 3.1

The approval of the Employer is required before the Engineer can authorise any modification of the Works involving an increase in the Contract Price.

Notwithstanding the obligation, as set out above, to obtain approval, if, in the opinion of the Engineer, an emergency occurs affecting the safety of life or of the Works or of adjoining property, he may, without relieving the Contractor of any of his duties and responsibilities under the Contract, instruct the Contractor to execute all such work or to do all such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forthwith comply, despite the absence of approval of the Employer, with any such instruction of the Engineer. The Engineer shall determine an addition to the Contract Price, in respect of such instruction, in accordance with Clause 13.1 and shall notify the Contractor accordingly, with a copy to the Employer.

Clause 4 The Contractor

Sub-Clause 4.2 Performance Security

Delete the first two paragraphs of Sub-Clause 4.2 and substitute with the following :

“ The Contractor shall obtain and provide to the Employer with a copy to the Engineer, within 28 days after receipt of the Letter of Acceptance, a security for his proper performance of the Contract in the sum stated in the “Appendix to Tender.”

The Performance Security, submitted by the Contractor, shall be furnished by a local bank registered in Mauritius and acceptable to the Employer.

Sub-Clause 4.6 Co-operation

At the end of the first paragraph of Sub-Clause 4.6, add the following paragraphs:

The Contractor will be required to maintain access and/or share access to the site at all times to other Contractor(s) working on the site or its vicinity.

The Contractor shall attend all coordination meetings arranged by the Employer/Engineer with all the stakeholders and “force-vive” or “syndic” with respect to works under this Contract.

The Contractor shall abide to the sequence and phasing of the works to mitigate any inconvenience to the residents as well as to allow other Contractors to access specific sections of the site for undertaking their works.

Sub-Clause 4.8 Safety Procedures

Add the following paragraphs at the end of Sub-Clause 4.8:

“The Contractor shall ensure that all temporary scaffolds erected for undertaking the works are secured firmly to the ground.

The Contractor shall ensure that these do not obstruct normal passage ways and shall be properly shielded with planks/steel plates to restrict any unauthorized access or freefall of materials.

Appropriate rigid protection measures shall be taken to prevent any debris or other materials from free fall to be stopped before reaching the ground. The Contractor shall take appropriate measures as may be instructed by the Engineer in this connection.

All costs associated for ensuring safety, erection of appropriate warning signs and measures for protection of the residents shall be borne by the Contractor.

The Contractor shall be responsible for any accidents and damage done to a third party resulting from the works being undertaken by him.

Sub-Clause 4.10 Site Data

Delete Sub-Clause 4.10 in its entirety and replace as follows:

The Contractor shall be deemed to have inspected and examined the site, its surroundings and all constraints that may impact on the execution of the works under the Contract.

The Contractor shall have to liaise with the residents at all times to avoid any nuisance to them during the execution of the Works and maintain free access to their respective dwellings.

The Contractor shall not be entitled to any additional payment, for whatsoever reasons, on account of any site conditions that may impact on his rate of progress.

Sub-Clause 4.19 Electricity, Water and Gas

Delete in the first paragraph the following text “except as stated below” and the second and third paragraphs in its entirety under this Sub-Clause.

Sub-Clause 4.20 Employer’s Equipment and Free-Issue Material

Delete this Sub-Clause in its entirety.

Clause 6 Staff and Labour

Sub-Clause 6.2 Rates of Wages and Conditions of Labour

Delete Sub-Clause 6.2 in its entirety and replace as follows:

- (a) The Contractor shall make his own arrangements for the recruitment of workers and shall make use first and foremost of the services of the Government Employment Division and Services. One of the objectives of the Ministry of Labour, Industrial Relations, Employment and Training is to assist employers where possible in the recruitment of their labour requirements. The Contractor shall consult the Ministry of Labour, Industrial Relations, Employment and Training with this object in mind.
- (b) The Contractor shall comply with the labour laws of the Republic of Mauritius, including laws relating to industrial relations. In addition to other legislation, the Contractor shall acquaint himself with the relevant enactments which set out minimum remuneration and conditions of employment of various categories of workers in Mauritius.
- (c) In the absence of any rates of wages, hours or conditions of labour so established, the Minister of Labour, Industrial Relations, Employment and Training of the Government of Mauritius or his duly authorised representative shall be requested, after consultation with the representatives of employers and workers, to prepare and furnish a schedule setting forth fair and reasonable rates and conditions to be observed in the execution of the Contract having regard to established rates and conditions in respect of persons employed in a capacity and in general circumstances similar to those of the persons engaged in the Contract or failing such established rates and conditions any fair standards of rates and conditions commonly recognised in respect of persons employed in a similar capacity and in similar general circumstances.
- (d) In the event of any difference or dispute arising as to what wages ought to be paid, or what hours or other working conditions ought to be observed, it shall, if not otherwise disposed of, be referred to the

Permanent Secretary of the Ministry of Labour, Industrial Relations, Employment and Training of the Government of Mauritius who may, if he thinks fit, refer the matter to the Permanent Arbitration Tribunal constituted in accordance with the relevant provisions of the Industrial Relations Act. In arriving at its decision, the Tribunal, in the absence of any established rates and conditions in the trade or industry concerned as hereinbefore specified shall have regard to any agreement, custom, practice or award that may be brought to its notice relating to the wages hours or conditions of labour of persons employed in a capacity similar to that of the persons to whom the difference or dispute relates in trade or industries carried on under similar general circumstances.

- (e) The Contractor shall pay a full day's wage for work on Saturdays from 7 a.m. to 1 p.m., this period including one hour's break for lunch. Any work performed after 1.00 p.m. shall be paid at overtime rates laid down in the Labour Act 1975 as amended.
- (f) The Contractor shall in respect of all persons employed by him in Mauritius (whether in the execution of the Contract or otherwise) in every factory, workshop or place used by him for the execution of the Contract, comply with the general conditions of this Clause and, if required by the Employer, shall, before entering into the Contract, certify that to the best of his knowledge and belief he has complied with such general conditions for the three months immediately preceding the date of submission of the Contractor's Tender.
- (g) The Contractor shall recognise the freedom of his workpeople to be members of registered trade unions.
- (h) The Contractor shall at all times during the continuance of the Contract display for the information of his workpeople in any factory, workshop or place occupied by him for the execution of the Contract, a copy of this Clause.
- (i) The Contractor shall certify within eight days of his being required to do so by the Employer that to the best of his knowledge and belief the wages, hours of work and conditions of labour of all workpeople employed by him in the trade or industry in which he is offering himself as a Contractor are fair and reasonable having regard to the provisions set out in Sub-Clause 34.1.
- (j) The Contractor shall keep proper wages books and time sheets showing the wages paid to and time worked by the workers in and about the execution of the Contract and he shall be bound whenever required to produce such wages books and time sheets for the inspection of any person authorised by the Permanent Secretary of the Ministry of Labour, Industrial Relations, Employment and Training of the Government of Mauritius.

- (k) The Contractor shall not be entitled to payment of any money which would otherwise be payable under the terms of Contract in respect of the work and labour performed in the execution of the Contract unless and until he shall have filed together with his claim for payment a certificate:
- (a) showing the rates of wages and hours of labour of the various classes of workmen employed in the execution of the Contract;
 - (b) whether any wages in respect of the said work and labour remain in arrears; and
 - (c) that all the labour conditions of the Contract have been duly complied with.
- (l) In the event of default being made in payment of any money in respect of wages of any worker employed on the Contract and if a claim thereafter is filed with the Permanent Secretary of the Ministry of Labour, Industrial Relations, Employment and Training of the Government of Mauritius and proof thereof satisfactory to him is furnished he may, failing payment by the Contractor, arrange for the payment of such claim out of the monies at any time payable under the Contract and the amount so paid shall be deemed payments to the Contractor.
- (m) The Contractor or any sub-contractor employed by him shall be responsible for the direct supervision and payment of all labour employed on the Contract.
- (n) The Contractor shall be responsible for the observance of the provisions of this Clause by Sub-Contractors employed by him in the execution of the Contract.

Sub-Clause 6.5 Working Hours

Delete in line 2 of Sub-Clause 6.5 "stated in Appendix to Tender" and replace by "under this Contract are deemed to be 0700 hours to 17.00 hours".

In addition to the above, add the following paragraphs to Sub-Clause 6.5:

The Contractor shall not be allowed to work at night except in the case of accidental damage to an essential service which results in inconvenience and/or nuisance to the neighbours. The Contractor shall then be allowed to work at night to remedy the situation and he shall do so in such a way so as not to cause disturbance to inhabitants or establishments adjoining the Site.

Should the Contractor be allowed to work at night, he shall not be entitled to any additional payment.

Provided that if any steps, taken by the Contractor in meeting his obligations under this Sub-clause result in additional supervision costs, such costs shall, after due consultation with the Employer and the Contractor, be determined by the Engineer, and shall be recoverable from the Contractor by the Employer from any monies due or to become due to the Contractor and the Engineer shall notify the Contractor accordingly, with a copy to the Employer.

Sub-Clause 6.6 Facilities for Staff and Labour

Add the following paragraph at the end of Sub-Clause 6.6

“The Contractor shall comply with all the local Labour Laws and Regulations as stipulated by the Ministry of Labour, Industrial Relations and Employment, the Employment Rights Act 2008 and any subsequent amendments as well as the Employer’s Health & Safety Requirement for Construction Contractors.”

Sub-Clause 6.7 Health and Safety

The Contractor shall ensure compliance with all local legislations and Regulations with regard to Health and Safety on Site.

The Contractor shall in addition to the above comply with instruction of the Engineer with respect to the health and safety in the execution of the Works under the Contract.

Sub-Clause 6.8 Contractor’s Superintendence

Add the following Sub-Clauses to Sub-Clause 6.8

Sub-Clause 6.8.1 Measures against Insects and Pest Nuisance

The Contractor shall ensure that all necessary precaution to protect the residents, his staff and all the other personnel employed on site are protected from insect and pest nuisance and mitigates all health risk exposures.

Sub-Clause 6.8.2 Alcoholic Liquor or Drugs

The Contractor shall not, otherwise than in accordance with the Statutes, Ordinance and Government Regulations or Orders for the time being in force, import, sell, give, barter or otherwise dispose of any alcoholic liquor

or drugs or permit or suffer any such importation, sale, gift, barter or disposal by his employees or his sub-contractors.

Sub-Clause 6.8.3 Arms or Ammunition

The Contractor shall not give, barter or otherwise dispose of to any person or persons any arms or ammunition of any kind or permit or allow his employees or sub-contractors to do so.

Sub-Clause 6.8.4 Festivals and Religious Customs

The Contractor shall in all dealings with labour in his employment have due regard to all recognised festivals, days of rest as published yearly under the Public Holidays Act No. 22 of 1982 as subsequently amended, and religious or other customs.

Clause 7 Plant, Materials and Workmanship

Sub-Clause 7.7 Ownership of Plant and Materials

Delete Clause 7.7 in its entirety and replace by the following new Clause:

All Contractor's Equipment, Temporary Works and materials owned by the Contractor, or by any company in which the Contractor has a controlling interest, shall, when on the site, be deemed to be the property of the Employer.

Provided always that the vesting of such property in the Employer shall not prejudice the right of the Contractor to the sole use of the said Contractor's Equipment, Temporary Works and materials for the purpose of the Works nor shall it affect the Contractor's responsibility to operate and maintain the same under the provisions of the Contract.

Add Sub-Clause 7.9 as follows:

Sub-Clause 7.9 Quality of Materials, Plant and Workmanship

(a) The Contractor is to be solely responsible for the supply of the materials required for the execution of the Works. He shall ascertain himself of the availability of such materials.

The Contractor shall ensure that during all phases of the performance of the Contract he has adequate materials on site and ensure that adequate supplies of materials will be available to him in all phases of the contract performance.

The Employer shall be under no liability whatsoever whether by way of indemnity or otherwise for or in respect of shortage of materials.

- (b) The Contractor shall guarantee the strength and quality of all materials supplied by him and all workmanship and he shall not be relieved of any of his obligations with respect to the sufficiency of the materials and works by reason of no objection having been taken by the Engineer although the same may have been inspected by him in regular course. The Contractor shall furnish all information as to the quality, weight, constituent substances, dimension, levels, strength and description of the materials and works and give the Engineer such particulars as may be required.
- (c) On receipt of any materials supplied to the Contractor from the Employer the Contractor shall examine them and if no report be received by the Engineer within seven days of the delivery of any materials they shall be deemed to have been received by the Contractor without defect or deficiency.
- (d) The Contractor shall be required so far as may be consistent with his obligations under the Contract to make the maximum possible use of local materials. The origin of any materials proposed must be to the Engineer's approval.
- (e) All materials and things of any kind obtained from demolition, excavations or found on or under the site or on or under any additional site which the Contractor may be allowed to occupy, shall remain the property of the Employer and shall not be used in the Works or sold or otherwise disposed of without the written authority of the Engineer. No excavations are to be made upon the site or additional site beyond those shown in the drawings or described in the Technical Specifications without the previous written authority of the Engineer. A refusal by the Engineer to grant an authority under this Clause shall be absolutely final.

Clause 8 Commencement, Delays and Suspension

Sub-Clause 8.1 Commencement of Works

Replace "7 days" in the first line of first paragraph by "14 days"

Sub-Clause 8.3 Programme

Replace "28 days" in the first line of first paragraph by "14 days"

Sub-Clause 8.4 Extension of Time for Completion

Under Clause 8.4 (c), add new paragraph:

“For the application of this Clause the following shall be considered exceptionally adverse climatic conditions:

- (i) Rainfall - Intensity of greater than 50 mm per 24 hours or continuous rainfall at the site causing an interruption exceeding 4 hours. Hourly Measurements are to be obtained from the Department of Meteorological Services from the measuring station nearest to the site for the assessment of disruption of works.

An official declaration of ‘Torrential rain’ by the Meteorological Department of Mauritius,

- (ii) Wind - Cyclone Warning Class 3 or 4 prevailing in Mauritius.”

The Contractor shall not be entitled for any extension of time with costs on account of extension of time due to exceptionally adverse climatic conditions.

The Contractor shall not be entitled for any claim whatsoever for additional payment for any extension of time granted due to delays as a result of adverse climatic conditions.

Sub-Clause 8.7 Delay Damages

Delete Sub-Clause 8.7 in its entirety and substitute as follows:

If the Contractor fails to comply with the Time for Completion in accordance with Sub-Clause 8.2 for the whole of the Works or, if applicable, any section within the relevant time prescribed by Sub-Clause 8.2, then the Contractor shall be automatically "in mora" (endemeure) without it being necessary for the Employer to fulfil any legal formality either judicial or extra-judicial especially to serve a notice "mise-endemeure" and the Contractor shall pay the Employer the sum stated in Appendix to Tender as liquidated damages for such default and not as a penalty for every day or part of a day which shall elapse between the time prescribed by Clause 8.2 hereof or extended time as the case may be and the date of completion of the Works.

The Employer may without prejudice to any method of recovery deduct the amount of such damages from any monies in his hands, due, or which may become due, to the Contractor. The payment or deduction of any such damages shall not relieve the Contractor from his obligation to

complete the Works or from any other of his obligations and liabilities under the Contract.

Clause 10 Employer's Taking Over

Sub-Clause 10.3 Interference with Tests on Completion

Add the following paragraph after the second paragraph of Sub-Clause 10.3

In the event of failure of the tests, the Defects Notification Period shall be extended by a period equivalent to that during which it would not have been possible to use the Works as intended.

The Defects Notification Period shall only be extended for the part of the Works for which the test is applicable.

Clause 12 Measurement and Evaluation

Sub-Clause 12.3 Evaluation

Delete sub-paragraph (a) (i) to (iv) under this Sub-Clause in its entirety and replace with the following:

(a) The change in quantity multiplied by the specified rate accounts for an amount of more than 5% of the Contract Price, and the actual quantity of work executed under the item exceeds or falls short of the quantity set out in the Bill of Quantities by 25%.

Clause 13 Variations and Adjustments

Sub-Clause 13.4 Payment in Applicable Currencies

Delete this Sub-clause in its entirety.

Sub-Clause 13.8 Adjustments for Changes in Cost

Delete this Sub-clause in its entirety.

Clause 14 Contract Price and Payment

Sub-Clause 14.1 The Contract Price

Add Item (e) to Sub-Clause 14.1 as follows:

(e) The Contract Price shall be deemed to include all custom duties and any other Government duties, on the Contractor's Equipment, Plant and Materials acquired for the purpose of executing the works and provision of services under the Contract.

The materials include permanent, temporary and consumables used under the Contract.

Sub-Clause 14.3 Application for Interim Payments

Delete Sub-Clause 14.3 (e) in its entirety.

Sub-Clause 14.7 Payment

Under Item (a), replace "42 days" by "28 days" and "21 days" by "28 days".

Delete last paragraph of sub-clause 14.7 in its entirety and replace as follows:

All payments to the Contractor by the Employer under the Contract shall be made into a bank account, nominated by the Contractor in Mauritius.

Sub-Clause 14.8 Delayed Payment

Delete the second paragraph of sub-clause 14.8 in its entirety and replace by the following paragraph:

The financing charges referred in the above paragraph shall be calculated at the Repo Rate as published by the Bank of Mauritius upon all sums unpaid from the date by which the same should have been paid to the Contractor.

The Contractor shall be entitled to payment of these financing charges without prejudice to any other right or remedy.

Sub-Clause 14.15 Currencies of Payment

Delete this Clause in its entirety and replace as follows:

The currency of payment under the Contract shall be the Mauritian Rupees (MUR).

Clause 16 Suspension and Termination by Contractor

Sub-Clause 16.1 Contractor's Entitlement to Suspend Work

Replace "21 days" in the fourth line of the first paragraph of Sub-Clause 16.1 by "42 days".

Clause 17 Risk and Responsibility

Sub-Clause 17.3 Employer's Risks

Add after "any operation of the forces of nature" in paragraph (h), "except cyclones and floods".

Clause 18 Insurance

Sub-Clause 18.2 Insurance of Works and Contractor's Equipment

The Insurance for the Works shall be the "Contractor's All Risk Policy, referred to as CAR in Mauritius, and the policy shall be effected and maintained by the Contractor as the insuring party.

This applies to all the other insurances required under the Contract as well.

The Contractor shall be liable for the payment of any excess under CAR and all other policies which may become due as a result if any claim made by the Contractor or any other party.

In sub-paragraph (c) of Sub-Clause 18.2, after "..., sub-clause 17.3 (Employer's Risks)...", insert "including cyclones and floods,..."

Sub-Clause 18.3 Insurance against Injury to Persons and Damage to Property

Add the following paragraphs to Sub-Clause 18.3

"The insurance policy must specify that any employee of the Employer, the Engineer and his representatives, as well as the employees of any other company on the site are to be considered as third parties of the insurance policy.

The insurance policies must include a clause forbidding their cancellation without the insurer giving prior notice to the Employer.

The insurance company shall be a company registered in Mauritius.

Clause 20 Claim, Disputes and Arbitration

Sub-Clause 20.1 Contractor's Claims

Add the following last paragraph to Sub-Clause 20.1

The claims from the Contractor for additional costs, if any, associated with approved extensions of time shall be calculated solely from the Contractor's time-related items as included in Bill No. 1 of the Bill of Quantities.

Sub-Clause 20.2 Appointment of the Dispute Adjudication Board

Delete this sub-clause in its entirety.

Sub-Clause 20.3 Failure to agree Dispute Adjudication Board

Delete this sub-clause in its entirety.

Sub-Clause 20.4 Obtaining Dispute Adjudication Board's Decision

Delete this sub-clause in its entirety and replace by:

All references in the Conditions of Contract to Sub-Clauses 20.2, 20.3 and 20.4 shall throughout these conditions be deemed to be read as Sub-Clause 20.4.

If a dispute of any kind whatsoever arises between the Employer and the Contractor in connection with, or arising out of, the Contract or the execution of the Works, whether during the execution of the Works or after their completion and whether before or after repudiation or other termination of the Contract, including any dispute as to any opinion, instruction, determination, certificate or valuation of the Engineer, the matter in dispute shall, in the first place, be referred in writing to the Engineer, with a copy to the other party. Such reference shall state that it is made pursuant to this Clause. No later than the eighty-fourth day after the day on which he received such reference the Engineer shall give notice of his decision to the Employer and the Contractor. Such decision shall state that it is made pursuant to this Clause.

Unless the Contract has already been repudiated or terminated, the Contractor shall, in every case, continue to proceed with the Works with all due diligence and the Contractor and the Employer shall give effect forthwith to every such decision of the Engineer unless and until the

same shall be revised, as hereinafter provided, in an amicable settlement or an arbitral award.

If either the Employer or the Contractor be dissatisfied with any decision of the Engineer, or if the Engineer fails to give notice of his decision on or before the eighty-fourth day after the day on which he received the reference, then either the Employer or the Contractor may, on or before the seventieth day after the day on which he received notice of such decision, or on or before the seventieth day after the day on which the said period of 84 days expired, as the case may be, give notice to the other party, with a copy for information to the Engineer, of his intention to commence arbitration, as hereinafter provided, as to the matter in dispute.

Such notice shall establish the entitlement of the party giving the same to commence arbitration, as hereinafter provided, as to such dispute and, subject to Sub-Clause 20.7, no arbitration in respect thereof may be commenced unless such notice is given.

If the Engineer has given notice of his decision as to a matter in dispute to the Employer and the Contractor and no notice of intention to commence arbitration as to such dispute has been given by either the Employer or the Contractor on or before the seventieth day after the day on which the parties received notice as to such decision from the Engineer, the said decision shall become final and binding upon the Employer and the Contractor.

Sub-Clause 20.6 Arbitration

Delete the Sub-Clause 20.6 in its entirety and replace with:

"Unless settled amicably, any dispute in respect of which:

- (a) the decision, if any, of the Engineer has not become final and binding pursuant to Sub-Clause 20.4, and

amicable settlement has not been reached within the period stated in Sub-Clause 20.5, shall be settled by Arbitration.

Within forty-five (45) days of a party having given notice to the other party of its intention to refer the matter to Arbitration, the parties shall jointly appoint one (1) sole arbitrator. If at the end of these forty-five (45) days period, no agreement has been reached on any such joint appointment, the arbitrator shall be nominated by a Judge sitting in Chambers in Mauritius.

The said arbitrator(s) shall have full power to open up, review and revise any decision, opinion, instruction, determination, certificate or valuation of the Engineer related to the dispute.

Neither party shall be limited in the proceedings before such arbitrator(s) to the evidence or arguments put before the Engineer for the purpose of obtaining his said decision pursuant to Sub-Clause 20.4. No such decision shall disqualify the Engineer from being called as a witness and giving evidence before the arbitrator(s) on any matter whatsoever relevant to the dispute.

Arbitration may commence prior to or after completion of the Works, provided that the obligations of the Employer, the Engineer and the Contractor shall not be altered by reason of the arbitration being conducted during the progress of the Works.

Arbitration Procedures

Arbitration shall be held within the Republic of Mauritius and conducted in the language for communications defined in Sub-Clause 1.4 and shall be in accordance with such procedures as the arbitrator agrees provided that no such procedures shall be contrary to any laws in force or applicable in Mauritius.

Arbitration Costs

All costs of arbitration shall initially be equally shared by the parties, but the arbitrator shall have the right when making the award to allocate such costs between the parties as he/ she considers fit.

Sub-Clause 20.7 Failure to comply with Dispute Adjudication Board's Decision

Delete the Sub-Clause in its entirety and replace with:

Failure to comply with Engineer's Decision

Where neither the Employer nor the Contractor has given notice of intention to commence arbitration of a dispute within the period stated in Sub-Clause 20.4 and the related decision has become final and binding, either party may, if the other party fails to comply with such decision, and without prejudice to any other rights it may have, refer the failure to arbitration in accordance with Sub-Clause 20.6 . The provisions of Sub-Clauses 20.4 and 20.5 shall not apply to any such reference.

Sub-Clause 20.8 Expiry of Dispute Adjudication Board's Decision

Delete this sub-clause in its entirety.

Section VIII. Contract Forms

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Notification of Award

LETTER OF ACCEPTANCE

[letterhead paper of the Employer]

[date]

To: *[name and address of the Contractor]*

This is to notify you that your Bid dated *[date]* for execution of the *[name of the Contract and identification number, as given in the Contract Data]* for the Accepted Contract Amount of the equivalent of *[amount in numbers and words] [name of currency]*, exclusive of VAT, as corrected and modified in accordance with the Instructions to Bidders, is hereby accepted by our Agency.

You are requested to furnish the Performance Security within 28 days in accordance with the Conditions of Contract, using for that purpose one of the Performance Security Forms included in Section VIII, Annex to the Particular Conditions - Contract Forms, of the Bidding Document

Authorized Signature: _____

Name and Title of Signatory: _____

Name of Agency: _____

Contract Agreement

THIS AGREEMENT made the _____ day of _____, _____, between _____ of _____ (hereinafter “the Employer”), of the one part, and _____ of _____ (hereinafter “the Contractor”), of the other part:

WHEREAS the Employer desires that the Works known as _____ should be executed by the Contractor, and has accepted a Bid by the Contractor for the execution and completion of these Works and the remedying of any defects therein,

The Employer and the Contractor 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.
 - (i) the Letter of Acceptance
 - (ii) the Bid Submission Form
 - (iii) the addenda Nos _____ (if any)
 - (iv) the Particular Conditions
 - (v) the General Conditions;
 - (vi) the Specification
 - (vii) the Drawings; and
 - (viii) the completed Schedules,
3. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the Employer to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works 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 _____ on the day, month and year indicated above.

Signed by _____ (for the Employer)

Signed by _____ (for the Contractor)

Performance Security (Demand Guarantee)

.....*Bank/Insurance's Name and Address of Issuing Branch or Office*.....

Beneficiary:*Name and Address of Public Body*.....

Date...

PERFORMANCE GUARANTEE No.:.....

We have been informed that*name of the Contractor*.....
(hereinafter called "the Contractor") has entered into Contract No.....*reference number of the Contract*..... dated..... with you, for the execution of *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 security is required.

At the request of the Contractor, we *name of Bank/ insurance company*hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *amount in figures (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 not later than twenty-eight days from the date of issuance of the Certificate of Completion/Acceptance Certificate, calculated based on a copy of such Certificate which shall be provided to us, or on the.....day of,, whichever occurs first. 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, ICC Publication No. 758. (Applicable to overseas contractor only).

.....*Seal of bank/ insurance company and*

Signature(s).....

Advance Payment Security

Demand Guarantee

_____ [Bank/Insurance's Name, and Address of Issuing Branch or Office]

Beneficiary: _____ [Name and Address of Employer]

Date: _____

ADVANCE PAYMENT GUARANTEE No.: _____

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

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum _____ [amount in figures] (_____) [amount in words] is to be made against an advance payment guarantee.

At the request of the Contractor, we _____ [name of Bank/Insurance] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of _____ [amount in figures] (_____) [amount in words]¹ 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 under the Contract because the Contractor used the advance payment for purposes other than the costs of mobilization in respect of the Works.

It is a condition for any claim and payment under this guarantee to be made that the advance payment referred to above must have been received by the Contractor on its account number _____ at _____ [name and address of Bank/Insurance].

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor as indicated 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 eighty (80) percent

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 Employer.

of the Contract Price has been certified for payment, or on the ___ day of _____, 2___,² 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, ICC Publication No. 758.

[signature(s)]

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

² *Insert the expected expiration date of the Time for Completion. The Employer should note that in the event of an extension of the time 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 Employer's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."*