



Procurement Reference

No. 68 of 2022 / 2023

INVITATION FOR BID

**INDEPENDENT COMMISSION
AGAINST CORRUPTION (ICAC)**

BIDDING DOCUMENTS

P R O J E C T :

**INSTALLATION AND COMMISSIONING OF ELECTRIFIED
SECURITY FENCE SYSTEM AND INTELLIGENT INTRUSION
DETECTION SYSTEM AT ICAC**

CONTACT

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Réduit Triangle
Moka

Site Visit:

23 May 2023 at 13.30 hours

Tender close:

15 June 2023 at 14.00 hrs

15 May 2023

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ACRONYM

1. ICAC – Independent Commission Against Corruption
2. IFB – Invitation For Bid
3. ITB – Instruction To Bidders



INDEPENDENT COMMISSION AGAINST CORRUPTION

SECTION I

Dear Sir / Madam

15 May 2023

Invitation For Bid (IFB)

Procurement Reference No. 68 of 2022 / 2023

Installation and Commissioning of Electrified Security Fence System and an Intelligent Intrusion Detection System at ICAC

The Independent Commission Against Corruption (ICAC) invites sealed bids from qualified bidders for the Installation and Commissioning of Electrified Security Fence System and an Intelligent Intrusion Detection System all along the perimeter wall and its existing fence.

Bidding documents will be available as from **Monday 15 May 2023** by free download from the ICAC website (www.icac.mu) and at the ICAC Headquarters, Réduit Triangle, Moka.

Bids containing Technical Proposal and Financial Proposal in two separate sealed envelopes shall be **deposited** in the Tender Box situated at Ground Floor, ICAC Headquarters, Réduit Triangle, Moka not later than **Thursday 15 June 2023 at 14.00 hrs.**

Yours faithfully

A handwritten signature in blue ink, appearing to read 'D. Ramjeeawon', is written over a faint, illegible printed name.

D. Ramjeeawon

For Acting Director,

Corporate Service Division

SECTION II

INSTRUCTIONS TO BIDDERS (ITB)

A. General

1.0 Scope of work

1.1 The ICAC intends to install electrified security fence system over the security perimeter wall and an intelligent intrusion detection system in the perimeter fencing wall. All associated electrical, civil works and other works shall meet all the relevant national and international standards.

2.0 Eligible bidders

2.1 Bidders shall not be eligible if their participation in this procurement exercise in the Republic of Mauritius is prohibited under the laws of Mauritius.

3.0 Cost of Bid

3.1 The bidder shall bear all costs associated with the preparation and submission of the bids and the ICAC shall in no case be responsible or liable for those costs, arising regardless of the conduct or outcome of the Invitation for Bids.

4.0 Works completion period

4.1 The completion period to install electrified security fence system over the security perimeter wall and an intelligent intrusion detection system in the perimeter fencing wall and all associated electrical, civil works and other works shall be within **six (6) months from the date of signature of the contract.**

5.0 Eligible Materials, Equipment and Services

5.1 The materials, equipment and services to be supplied under the Contract shall have their origin in eligible source countries and all expenditures under the Contract will be limited to such materials, equipment, and services. At the ICAC's request, Bidders may be required to provide evidence of the origin of materials, equipment and services.

6.0 Qualification and Experience

6.1 Bidders shall be **qualified and have experience** in installation of electrified security fence system and intelligent intrusion detection system.

- 6.2 Bidders shall provide **a list of at least two projects** for works of similar nature & complexity amounting each of **at least Rs.500,000 undertaken as Contractor over the last five (5) years, evidence of same** shall be submitted along with the bids.

B. Bidding Documents

7.0. Examination of Bidding Documents

- 7.1 The bidder is expected to examine all corresponding instructions, forms, terms and specifications contained in the bidding documents. Failure to comply with these documents shall be at the bidder's own risk and may affect the evaluation of the bid.

8.0 Documents comprising the Technical Proposal

- 8.1 The Bidder shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information (Bidding Forms), in sufficient detail to demonstrate the adequacy of the Bidders' proposal to meet the work requirements and the completion time.

9.0 Clarification of Bidding Documents

- 9.1 A prospective bidder, requiring any clarification of the bidding documents, may notify the ICAC, by addressing its request to:

**The Acting Director,
Corporate Services Division
(Attn: Senior Officer- Procurement)
Independent Commission Against Corruption (ICAC) Headquarters,
Réduit Triangle, Moka.**

The ICAC shall respond in writing to any request for **clarification** of the bidding documents that it receives seven (7) days prior to the deadline for submission of bids. The response (including an explanation of the query but not identifying its source) shall be made available on the ICAC website.

10.0. Amendments of bidding documents

- 10.1 No later than **seven (7) days** prior to the deadline for submission of bids, the ICAC may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, amend the bidding documents. All prospective bidders will be notified in writing of any amendments on the ICAC Website.

- 10.1 In order to afford prospective bidders reasonable time in which to take the amendments into account in preparing their offers, the ICAC may, at its discretion, extend the deadline for the submission of bids.

C. Preparation of bids

11.0 Language of the bid

11.1 The bid prepared by the bidder and all correspondence and documents relating to the bid exchanged by the bidder and the ICAC shall be written in English.

12.0 Mandatory documents comprising the bid

12.1 The bid shall comprise the following documents:

1. Bidder's Eligibility and Qualifications
(a) Copy of Certificate of Incorporation (if applicable)
(b) Copy of Certificate of Business Registration Number
(c) Current Standing Form
2. Technical Proposal
(d) Compliance and Specifications (Technical Sheet)
(e) Technical documents for the Proposed System
(f) Program of proposed work to be executed and expected duration period
(g) List of staff and key personnel
(h) Bid Submission Form for Technical proposal duly signed.
(i) Guaranty Period
(j) Experience of work of similar nature
(k) Current Standing Form
(l) Manufacturer's Authorization Certificate
(m) Compliance Certificates
(n) Duly signed declaration
(o) List of at least two projects for works of similar nature & complexity amounting each of at least Rs.500,000 undertaken as Contractor over the last five (5) years .
3. Financial Proposal
(p) Financial Bid Form
(q) Bid Submission Form containing the Financial Proposal

13.0 Bid Prices

- 13.1 The Contract shall be for the works described in section IV.
- 13.2 Prices shall be fixed and inclusive of all taxes, end –of – the bonus and gratuities as well as any increase that may be awarded by government during the contract period.

14.0 Period of Validity of Bids

- 14.1 Bids shall remain valid for **120 days** after the deadline for bid submission prescribed by ICAC pursuant to clause 18 of Instructions to Bidders. A bid valid for a shorter period may be rejected as non-responsive. In exceptional circumstances, the ICAC may solicit the bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. Bidders granting the request will not be required nor permitted to modify their bids.

15.0 Site Visit

- 15.1 The bidder shall visit the site to be fully acquainted with the nature of the site and extent of work involved as well as any additional information that may be necessary for preparing the bid before submission of same.
- 15.2 The site visit is scheduled on **Tuesday 23 May 2023 at 13. 30 hours.**
- 15.3 A **Site Visit Register** and a **Site Inspection Certificate** will be made available and same should be signed upon the site visit.

D. Submission of bids

16.0. Format and signing of bid

- 16.1 The bidder shall prepare one original and two copies of the bid. The bid shall be typed or written in indelible ink and **shall be signed** by the bidder or a person or persons duly authorised to bind the bidder to the contract. A bid shall contain no interlineations, erasures or overwriting except, as necessary to correct errors made by the bidder, in which case such corrections shall be initialled.
- 16.2 The bid shall be submitted in **two separate sealed envelopes** – one containing the original and copies of the **Technical proposal** and the other original and copies of **Financial proposal**- each envelope **clearly** marked with the name and address of the bidder and specifying which one contains the **Technical and Financial Proposals**. The two envelopes shall be inserted in one single envelope marked with the name and address of the bidder on the outside.

17.0 Sealing and marking of bids

17.1 The bidder shall seal the inner and outer envelopes.

17.2 The outer envelope shall be:

(a) Addressed to:

The Acting Director,
Corporate Services Division,
Independent Commission Against Corruption (ICAC) Headquarters,
Réduit Triangle, Moka.

(b) Marked with: –

INVITATION FOR BID

“Installation and Commissioning of Electrified Security Fence System and an Intelligent Intrusion Detection System at ICAC and

DO NOT OPEN TILL 15 June 2023.”

18.0 Deadline for Submission of Bids / Late Bids

18.1 Bids shall be deposited in the Tender Box situated at the ground floor, Independent Commission Against Corruption (ICAC) Headquarters, Réduit Triangle, Moka, on or before **15 June 2023 at 14.00 hours.**

18.2 The ICAC may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with Clause 10.0 of Instructions to Bidders, in which case all rights and obligations of the ICAC and bidders previously subject to the deadline shall thereafter be subject to the extended deadline.

18.3 Any bid received by the ICAC after the deadline for submission of bids shall be rejected and returned unopened to the bidder.

19.0. Modification, Substitution and Withdrawal of Bids:

19.1 The bidder may modify, substitute or withdraw its bid after submission, provided that the bidder notifies the ICAC in writing of the modification, substitution and withdrawal prior to the deadline for submission. No bid shall be modified after passing of the deadline for submission of bids. No bid shall be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity.

E. OPENING AND EVALUATION OF BIDS

20.0 Opening of Bids

- 20.1 The bids shall be opened at Independent Commission Against Corruption (ICAC) **Headquarters, Réduit Triangle, Moka, on 15 June 2023 at 14.00 hours.**
- 20.2 The envelopes containing the technical proposals shall be opened on the date, time and place specified in the bidding documents. **The financial proposals shall be kept unopened in a secure place.**
- 20.3 The bidders' names, bid modifications, substitutions or withdrawals, and such other details as the ICAC, at its discretion, may consider appropriate, shall be noted at the opening. No bid shall be rejected at the Bid Opening, except for bids received after the deadline for submission, which, in such case, shall be returned unopened to the Bidder pursuant to clause 18.3 of Instructions to Bidders.
- 20.4 Bids (and modifications sent pursuant to clause 19 of Instructions to Bidders) that are not opened at Bid Opening shall not be considered for any evaluation. Withdrawn bids shall be returned unopened to the bidders.

21.0 Preliminary Examination

- 21.1 Prior to the detailed evaluation, the ICAC shall determine whether each bid is in conformity to the IFB and to all the terms and conditions of the ITB.
- 21.2 The ICAC shall examine the bids to determine whether they are complete, whether the documents have been properly signed, and whether the bids are generally in order.
- 21.3 A bid which is not in conformity with the IFB and ITB shall be rejected by the ICAC and shall not subsequently be made responsive by the bidder by correction of the non-conformity.
- 21.4 Some of the grounds on which the bid can be rejected at the preliminary examination are as follows:
- (i) Bid is submitted after the deadline for submission
 - (ii) Bid is not submitted to the correct physical address
 - (iii) Bid is not signed as per instructions in the ITB
 - (iv) A Mandatory document has not been submitted
 - (v) Documents do not address each point of the mandatory evaluation criteria
 - (vi) Bidders do not offer goods or services which have been specifically requested by ICAC
 - (vii) Failure to enclose the signed Bid Submission Form.

22.0 Technical Conformity

22.1 Determination of technical responsiveness shall be based on compliance with the content of the bid itself and as indicated in the following evaluation criteria:

- (1) Compliance with requirements relating to technical features (as per Section IV)
- (2) Compliance with General Conditions specified in the bidding documents.
- (3) Compliance with administrative and security requirements of the ICAC (as per Section IV)
- (4) Compliance with legal requirements (premises not under encumbrance, etc.). Availability of documents confirming compliance of the Bidder to the requirements of the ITB.

23.0 Clarification of Bids

23.1 To assist in the examination, evaluation and comparison of bids, the ICAC may at its discretion ask the bidder for clarification of its technical proposal. The request for clarification and the response shall be in writing and no change in the substance of the bid shall be sought, offered or permitted.

23.2 Any clarification submitted by a Bidder that is not in response to a request by the ICAC shall not be considered. If a Bidder does not provide clarifications of its bid by the date and time set in the ICAC's request for clarification, its bid may be rejected.

24.0 Opening of Financial Proposals

24.1 The Financial Proposals shall be opened at the time, date and location advised to the bidders.

24.2 The bidder's name, the bid price and such other details as the ICAC may consider appropriate, will be noted at the opening.

F. AWARD OF CONTRACT

25.0 Award of Criteria

25.1 The ICAC shall establish a list of preferred bidders in the order of highest score following the evaluation on the marking system. The Contract shall be awarded to the bidder having submitted the most substantially responsive bid which meets the qualification criteria specified in the bidding documents.

26.0 Negotiation

- 26.1 Where the rates quoted by the first ranked bidder is higher than acceptable rates as established by the ICAC, the ICAC may negotiate with the bidder with a view to arrive to an acceptable rate, failing which the ICAC shall consider the proposal of the second ranked bidder.

27.0 Rights of the ICAC

- 27.1 The ICAC reserves the right to accept or reject any bid, to annul the bidding process and reject all bids at any time prior to the award of contract, without thereby incurring any liability to the affected bidder(s).

28.0 Notification of Award

- 28.1 Prior to the expiration of the period of bid's validity, the ICAC shall notify the successful bidder of its selection for award while at the same time informing the unsuccessful bidders of the name of the selected bidder and the amount of the contract. The contract period and renewal conditions, if any, shall be as defined in the Bid Data Sheet.

29.0 Signing of the Contract

- 29.1 Within 30 days of receipt of the Contract the successful bidder shall sign, date and return it to the ICAC.

30.0 Debriefing

- 30.1 The ICAC shall promptly respond to the requests for debriefing made by unsuccessful bidders within 30 days from the date of notification of award.

31.0 Corrupt or Fraudulent Practices

- 31.1 It is the policy of the ICAC to require Public Bodies, 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.
- 31.2 In pursuance of this policy, the ICAC:
- (a) shall 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

(b) shall 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 nominated subcontractor, consultant, manufacturer or supplier, or service provider of an otherwise eligible firm being awarded a public contract.

**SECTION III
BID DATA SHEET**

The following data shall complement, supplement, or amend the provisions in the Instruction to Bidders. Whenever there is a conflict, the provisions herein shall prevail over those in the Instruction to Bidders.

Relevant clause (s) of Instruction to Bidders	Specific data complementing, supplementing, or amending instruction to Bidders
Bid Price	The prices shall be inclusive of VAT.
Documents Comprising the Bid	<p>The following must be included in the Bid Submission:</p> <p>1. BID SUBMISION</p> <p>Technical Proposal</p> <p>(i) Bid submission form for Technical proposal, including contact details of bidder are properly filled and signed.</p> <p>(ii) Drawings and technical proposals to substantiate understanding of requirements and manner in which theses would be met.</p> <p>(iii) Compliance and Specifications (Technical Sheet).</p> <p>(iv) Set of valid ownership documentation (copy); compliance certificate, Manufacturer's Authorization Certificate.</p> <p>(v) In case of legal entity: Certificate of Incorporation, TAN, BRN</p> <p>(vi) Duly signed Declaration.</p> <p>Financial Proposal</p> <p>(i) Bid Submission Form for Financial Proposal (Section VI) including contact details of bidder shall be properly filled and signed.</p> <p>Bid Securing Declaration Form</p> <p>All documents shall bear the signature of authorized person(s) and company's seal.</p> <p>N.B Incomplete Bids shall be deemed non-responsive and rejected.</p>
Deadline for submission of Bids	Bids comprising of the Technical and Financial proposals should be received by the ICAC on or before 15 June 2023 at 14.00 hours.

Bid Opening	The envelopes containing the Technical Proposals shall be opened on 15 June 2023 at 14.00 hours at ICAC. Envelopes containing the Financial Proposals shall remain unopened and secured.
Mandatory Documents	Required, as per clause 12 of the Instruction to Bidders (Section II).
Bid Validity Period	120 days from the date from the submission of bids
Evaluation of the Bids	<p>Bids shall be evaluated based on the following criteria:</p> <ul style="list-style-type: none"> - Compliance with pricing conditions set in the ITB. - Compliance with requirements relating to technical features and ability to install the electrified security fence system over the security perimeter wall and an intelligent intrusion detection system to satisfy functional requirements of the ICAC. - Compliance with General Conditions specified by these bidding documents. - Compliance with administrative and security requirements of relevant authorities - Compliance with legal requirements (Availability of documents confirming compliance of the bidder to the requirements of the ITB. <p>Financial Proposals</p> <p>Rates quoted by the highest ranked bidder shall be subject to assessment of ICAC.</p>
Payment terms	<ul style="list-style-type: none"> - 10% advance payment upon acceptance of the Contract; - 85% on completion and successful commissioning of works; and - 5 % as Retention money.
All communication must be directed to:	The Acting Director, Corporate Services Division, Independent Commission Against Corruption (ICAC) Headquarters, Réduit Triangle, Moka.
Request for additional information	Request for additional information must be received at least seven (7) working days before the deadline for submission of bids. Bidders are encouraged to raise queries as early as possible.
Performance Security	<p>The successful bidder shall provide a Performance Guarantee to the ICAC within 28 days of the receipt of Letter of Acceptance and shall be issued in an amount representing 10 % of the Contract price by a local bank.</p> <p>The successful bidder shall ensure that the Performance Guarantee remains valid throughout the duration of the contract and the defects liability period and it shall expire 21 days after the completion of the Defect Liability Certificate.</p>

Site Visit	<p>The bidder shall visit the site to be fully acquainted with the nature of the site and extent of work involved as well as any additional information that may be necessary for preparing the bid before submission of same.</p> <p>The site visit is schedule on 23 May 2023 at 13. 30 hours.</p>
Clarification	<p>The ICAC shall respond in writing to any request for clarification of the bidding documents that it receives seven (7) days prior to the deadline for submission of bids. The response (including an explanation of the query but not identifying its source) shall be made available on the ICAC website</p>

SECTION IV
SCOPE OF WORKS, SPECIFICATIONS AND SCHEDULE OF
REQUIREMENTS

1. INTRODUCTION

This project consists of installation of a perimeter security system at the (ICAC) Headquarters, Réduit Triangle, Moka consisting of an electric fence all along the perimeter wall and intrusion detection system to its existing fence.

2. SCOPE OF WORKS

The scope of works shall consist of the design & built, supply, installation, testing and commissioning of:

- A perimeter wall fixed electrified security fence system over the security perimeter wall
- An intelligent intrusion detection system in the perimeter fencing / wall
- Associated electrical works, civil works and other appurtenant works at ICAC. The entire work shall meet all the relevant national and international standards.
- The scope shall also consist of a Maintenance contract.

3. GENERAL REQUIREMENTS OF THE SYSTEMS

3.1. Electrified Security Fence System

The Electric fence shall act as a barrier, which includes one or more electric conductors, insulated from the earth, to which electric pulses are applied by an energizer. Electric fences shall be installed and operated so that they cause no electrical hazard to persons / animals / their surroundings. It shall meet the standard specified in this documents.

When an intruder comes in contact with fence wires, the intruder experiences an intensely painful electric shock, which is safe from electrocution. The design of the system should be so rugged that it will be very difficult to pass through. Any attempt to tamper the system would trigger an audio / visual alarm as described. The entire system also acts like a physical and psychological barrier.

The system shall consist of horizontal wires spaced at least 100 mm center-to-center. The grid should consist of conductive wires, configured as alternatively high voltage and earth wires, each connected in a monitored loop. The grid of wires should be supported by a specially made carrier fence, comprising insulated components and support posts which should be mounted along the compound wall.

The wires should be stretched between end strain posts and supported between the end strain posts by intermediate posts. The fence posts may either be grouted or anchor fastened to the inner side of the wall. The end posts / corner posts / pull through posts should be supported by necessary support posts. The wires should be attached to the end strain and intermediate posts using insulator assemblies, which should break away if attempts are made to use them as a climbing aid.

The system shall detect the following types of attack

- i) Climbing on the wires or insulators.
- ii) Spreading the wires apart before climbing through them.
- iii) Cutting the wires.
- iv) Shorting the wires to each other or ground.
- v) Shunting the wires with an electrically conductive material to reduce the pulse voltage.

The electric fence height shall be **around 500 mm** above the height point of the wall. There should not be gap of **more than 100 mm** between the electric fence and the existing fence/wall/metallic barrier. Refer to the attached drawing for additional details.

3.1.1. Perimeter Wall

The perimeter wall shall be the complete boundary wall of ICAC inclusive of the main gate. Exact dimension and all other details shall be assessed on site.

3.1.2. Main Gate

The Main gate shall form part of the security system. This system shall allow the normal operation of this gate after its implementation and arming.

3.1.3. Zoning

For the convenience of protection, the entire perimeter of ICAC Wall is to be divided into various zones. The very purpose of zoning a fence is to pinpoint accurately the focus of trigger point on the fence system. The system shall be able to arm all zones or part of the zones. There should be at least 8 different zones that would be determined during implementation.

Each extreme of the zone shall be clearly marked and labelled.

3.1.4. Power Fence, Zone controller and Main control system

The system shall have different energisers/zone controllers for the electric fence and shall control the different zones. There shall be a master control which connect all of them

3.1.5. Characteristic of electric pulse

The equipment shall generate high voltage pulses for each zone with a controlled energizer of **less than 5J**. It shall comply with the standard of the electric fence. The bidder shall clearly indicate the technical; proposal related to this item.

3.1.6. Posts

The wires shall be stretched between end strain posts attached to the wall and supported between the end strain posts by intermediate posts also attached to the wall.

The end strain posts shall be fabricated from **2-3 mm steel** formed into a "T" section with the double thickness of metal down the Centre.

The intermediate posts shall be fabricated from at **least 2-3 mm** thick steel formed into a "T" section with the double thickness of metal down the centre for use as a fixing channel.

The end strain and intermediate posts shall have **8 mm diameter** holes provided every **100 mm** in the double thickness sections for use as insulator and fixing holes and be galvanized to **BS729 and BS EN ISO 1461**.

The end strain and intermediate posts shall be fixed to the wall using a combination of standard brackets, straps, clamps, bolts and security screws. The brackets, straps and clamps shall be zinc and cadmium plated to **BS1706 FEZN 8C2C** + Sealant.

They can also be soldered to the metal barrier where applicable. However, stainless steel soldering shall be used.

3.1.7 Insulators

The wires shall be attached to the end strain and intermediate posts using purpose designed frangible insulator assemblies which will break away if attempts are made to use them as a climbing aid.

The insulators shall be manufactured from UV stabilized grey polypropylene and have an operating temperature range of **-30°C to +60°C**. All insulators and end strain insulators shall have at least 2 isolation barrier discs of **30 mm diameter and 10mm**

between to prevent high voltage leakage to ground, due to the build-up of contamination or salts.

The in-line insulators shall be secured to the intermediate posts using a locking pin through the hole in the fixing channel.

At zone ends the wires shall be connected to end strain insulators with integral wire hooks designed to release under excessive pressure which attach to the fixing holes in the end strain applications.

3.1.8 Wire

The wire shall be zinc and aluminium coated **2.0mm - 2.5mm** diameter high tensile steel wire with a tensile strength of **540Mpa**.

Each wire shall be tensioned by hand during installation to a nominal **8 Kg** using a compression spring. The use of ratchet tensioners shall not be permitted.

3.1.9 Control unit, monitoring and alarm system

The system shall have a master control unit located in the Gate Post. This unit shall be able to connect to any sub control system so that all operation and monitoring could be done at this control unit.

This monitoring system shall provide all the information regarding the status of the system.

There should be an alarm system to indicate an intrusion alarm. Any fault in the system shall also be indicated in the alarm system in terms of a visual display system.

A remote alarm system shall also be provided. The required module shall be installed to send an alarm SMS message (intrusion or fault) to at **least 3 different mobile phone numbers**.

A visual warning device that indicates in a flash the condition of the fence alarm shall be installed in each zone area.

The full or partial arming and disarming shall be done via this master control system

All event shall be logged in the system and easily be viewed. The log shall generally contain fault, alarm, arming / disarming. The access to the system shall be done via **access code** from **at least (five) 5 users**.

A desktop PC with screen of HD resolution of size at least 32" c/w all hardwares and software shall be provided in the Gate Post to allow the operations as mentioned above and to view, monitor the different the status of the system. This PC shall thus be an integral part of the system.

3.1.10 Nuisance Alarms

The system shall not generate any false alarm from the momentary contact of animals, birds, vegetation, debris with the wires or any other non-human intrusion.

3.1.11 Each zone shall be provided with lightning arrestors with a safe separate earthing system to achieve a value of less than 10 Ohms with necessary connection leads. The details should be furnished. The work shall include all civil works pertaining to the earthing.

3.1.12 The electrified security fence system shall be connected to independent earth electrodes comprising of a minimum of 3 earth rods to be bonded to the main earth bar in the generator room by a dedicated earthing cable of suitable dimension complete with necessary connecting leads. The work shall include all civil works pertaining to the earthing.

3.1.13 The whole system shall be able to withstand extreme weather condition and shall resist cyclonic wind up to 280Km/hr.

3.1.14 Standard

The Electric fences shall be installed and operated so that they cause no electrical hazard to persons / animals / their surroundings.

The system shall comply to IEC60335-2-76 Safety of Electric fence energizers.

The bidder shall submit the compliance certificate of the make and model/s being proposed from an accredited laboratory which also is recognised by the European Union / Standard accreditation system.

This certificate shall also be verified through the website of the accredited laboratory.

The website/s should also be provided.

The Electric Fence shall also comply to IEC for Electromagnetic compatibility. Detail of the compliance shall be submitted.

The system shall also comply with the local law and safety regulations.

3.1.15 Warning reflective signboards shall be prominently displayed on all electrified security fences at **every 5 meters** complying with code of practice and standards requirements. It should be located both in the internal and external electric fence. The warning sign board shall generally consist of the following 'WARNING ELECTRIC FENCE' and also in creole language wording "ATTENSION COURANT". The lettering shall not be less than 5cm height.

3.2 Intelligent intrusion detection system in the perimeter fencing / wall

It is required to install an intelligent intrusion detection system for the existing metallic fence and metal barrier fixed on the perimeter wall.

3.2.1 Zoning

For the convenience of protection, the sensors shall be grouped in zones similar to the electric fence system. The very purpose of zoning a fence is to pinpoint accurately the focus of trigger point on the fence system. The system shall be able to arm all zones or part of the zones. The different zones shall be similar to the electric fence zoning system.

3.2.2 The system shall be able to eliminate false alarm such as the effect of wind and vibration.

3.2.3 Sensors

The sensors shall be fixed in the inner side of the fencing/wall.

The sensors shall be for outdoor use of protection index of at least IP55.

It is required to ensure that the fixation on the metal structure of the wall is done in such a way that intrusion can be detected. Any other component/system required for the system to work shall be installed. The minimum quantity required is shown in the attach drawings at **Appendices I, II and III.**

3.2.4 Sensor details

Purpose of the module: The electronic sensor shall be a self-contained sensor with integral microprocessor. The sensor is able to detect extremely small changes in wire tension but is managed by the microprocessor to provide output information according to defined control algorithms. The sensors are rugged in construction and

sealed from environmental influences. Sensors may be individually programmed for local conditions and all programming is performed at the master controller

The sensor shall be, hermetically sealed, weatherproof to at IP65, UV Resistant, electrically insulated, Operate in exposed local environmental conditions.

3.2.5 Control, Monitoring and alarm

The whole system shall have a master control and monitoring system in the Gate Post. This monitoring system shall provide all the information regarding the status of the system. There should be an alarm system to indicate an intrusion alarm. Any fault in the system shall also be indicated in the alarm system.

A visual warning device that indicates in a flash the condition of the intrusion detection system shall be installed in each zone.

A desktop PC with screen of HD resolution of size at least 32" c/w all hardware and software shall be provided in the Gate Post to allow the operations as mention above and to view, monitor the different the status of the system. This PC shall thus be an integral part of the system. A remote alarm system shall also be provided. The required module shall be installed to send an alarm SMS message (intrusion or fault) to at least 3 different mobile phone numbers.

3.2.6 Nuisance Alarms

The system shall not generate any false alarm from the momentary contact of animals, birds, vegetation, debris with the wires or any other non-human intrusion. It shall also not generate false alarm from the effect of wind and vibration (including vehicular road vibration). The sensors shall thus be fixed on the best locations to avoid the false alarm and additional sensors shall be installed, if required.

3.2.7 Control Cables

The control cables for each sensor shall run from each sensor to the control unit of the system. These cables shall be properly fixed and run in electrical conduit. The cables shall be resistant to rain and sun, they shall thus have the required IP index and UV protected. Tempering of theses cables or any damage to these cables or any malfunction shall notify the control system and an alarm shall be produced.

3.3 Other requirements to both systems

3.3.1 Electrical Installation and wire ways

All equipment shall be powered from the Distribution Board located in the Gate post. The Distribution Board located in the Canteen block could also be used. Additional switchgears required shall be installed, all outgoing circuits shall be protected by 2poles MCB & RCD 30mA of appropriate rating. Additional electrical panel required shall be installed.

Existing underground trench PVC pipes between the gatepost and the Cafeteria could be used.

Power Cables shall be 3-core type of appropriate size. Underground cable/s shall be armoured type.

All cables shall be routed in PVC pipe for electrical works. The cableways shall neatly be done all along the internal wall below the fencing. The wireways and their fixing accessories shall be UV resistance Electrical cables and control shall be routed in separate wireways.

All switchgears and cable shall be labelled and schematic layout shall be submitted and also fixed in the DBs.

3.3.2 UPS

The electrical system for the whole system shall be backed by true online UPS/s of appropriate capacity. All associated electrical works shall be done.

3.3.3 Tools and Equipment

The bidder shall supply testing equipment/s required for maintenance, verification and testing of the system as recommended by the manufacturer including a "fence impulse analyser". All testing equipment should have their calibration and compliance certificate, which should be produced to ICAC prior to testing.

3.3.4 All outdoor equipment shall be housed in an IP66 keyed boxing/cubicle

3.3.5 Software licence and access password

Any software used shall have an unlimited licence for the client. All access password shall be provided.

3.3.6 Manufacturer's Authorization

The bidder shall produce a Manufacturer's Authorization from manufacturer of the product/s being proposed as per the form "Manufacturer's Authorization" included in this documents, to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply and install these Goods in Mauritius;

3.3.7 Integration of both system

It is also acceptable to have a common unit for both of the system i.e. the electric fence and the intelligent intrusion system. A single control unit /system could thus be proposed.

3.3.8 Proposed system

The bidder shall give a detail of the system/s proposed. This proposal shall consist of the make/s & model/s proposed, a brief description of the system, a general block diagram/layout of the system and the catalogues/technical datasheet of these models highlighting the different component being proposed & the compliance to the basic requirements.

3.3.9 Connection to Security Agent

The successful bidder shall assist the security agent in connection the alarm system to his remote monitoring system and provide all accessories required for remote monitoring.

3.3.10 Training

Training shall be provided on the operation, basic troubleshooting and basic verification of the systems.

3.3.11 Spare parts

The bidder shall also submit a list of recommended spare part including their rate for supply of same. These rates shall be valid for the validity period of the bid offer. They could be procured separately.

4. GENERAL NOTES

1. The installation shall be carried out to the best standards of workmanship, to provide the electrical installation as described in the documents and drawings. The works shall be executed in the manner set out in the specifications. Where not set out, works shall be carried out to the satisfaction of the Project Manager. All reasonable variations on site shall be carried out in accordance with such directives as the Project Manager may give.

2. Civil works

The Contractor shall include in their quotation for all civil works related to the installation mention in this documents.

3. Site Exigencies

The Contractor shall carry out works outside normal office hours where deemed necessary without any increase in contract cost. Claims for overtime works shall not be entertained. As such the contractor shall include in the Financial Bid Form all additional cost that would involve work after normal working hours especially where power cut shall be done.

The site shall be kept tidy and no materials/refuse shall be kept which may cause obstructions.

4. Makes

All materials and equipment shall be new and of best quality. Bidders shall specify clearly the makes of various equipment/materials they propose to use. No materials/equipment shall be supplied/installed in the project without the approval of the Project Manager. On no account shall electrical/electronic items/fittings/accessories which have not been approved be used to complete the project. The decision of the Project Manager shall always be final.

The following proposed material for the "electric fence system" shall be of the same make:

- Main Controller
- Fence Controller
- Wire
- Insulator

The following proposed material for the "intrusion detection system" shall also be of the same make:

- Intrusion Sensor
- Controller

5. Financial Bid Form

The Bidders shall fill in the Financial Bid Form and submit same together with the bid documents. All the drawings, specifications are complementary and should be read accordingly. The bidders are advised to carry out measurement and check the quantities of materials.

6. Guarantee Period

The Contractor shall guarantee all work for a period of **two years** as from the date of successful commissioning, in presence of Project Manager.

During the maintenance period, the Contractor shall at his own expenses:

- a. Make good of all defects that arise, replace any parts that fail and show signs of weakness or undue wear in consequence of faulty design, workmanship or materials and other defects not related to normal wear;
- b. Attend with diligence to any such defects that arise to the satisfaction of the Project Manager and client.

7. Provisional Sum/Contingencies

Provisional sum/contingencies included in the contract price shall be expended or used as the Project Manager may direct in writing and not otherwise.

In so far as the provisional sum/contingencies included in the contract price is not expended or used, it shall be deducted from the contract price.

8. Programme of Work

The bidder shall clearly indicate in his offer the time period for the execution and completion of the installations for the whole project. The Bidder shall provide a programme of work for the timely execution of the contract. This Programme of Work shall be adhered to during the execution of the contract.

9. WORKING DRAWINGS (SHOP DRAWINGS)

The Contractor shall be responsible for the production of fully detailed and dimensioned working drawings of each service to be installed, including all purposed made plant and equipment. The location of all plant, equipment and services shall be fully dimensioned from each other, from other work and from the building structure.

All services shall be fully co-ordinated with each other and with the building structure and finishes, including obtaining the necessary information from others and for the indication of the service routes for all trades on composite drawings.

Working drawings shall include fully dimensioned details and positions of all supports and fixings. They shall clearly define the detail and arrangement of all installed equipment and systems including access allowances for service and maintenance. Where plant is to be supported on steelwork, the Contractor shall provide setting out dimensions for the steelwork and fixing details of the particular plant to be supported. Weights of plant items with point loads shall be provided.

Working drawings shall be produced in accordance with a programme which is to be agreed with the Contractor to suit the overall programme for the Works.

10. DRAWINGS

The Contractor shall also produce drawings indicating builders work requirements in connection with the services. The drawings shall include details of penetrations through the structure, builders work supports and bases.

Full details of access requirements for commissioning, servicing and maintenance through the wall, fence, underground and the like shall be provided.

The drawings shall only be prepared after the working drawings have been finally agreed with the Engineer and shall be based on the detail of the working drawings. The drawing production programme shall take this fully into account.

11. As made Drawings & Technical Documents

Upon completion of the works the Bidder shall submit to the Technical representative of ICAC there (3) copies each of "As-made drawings", catalogues and other relevant documents in an spiral binding documents and in softcopy in a pen drive of the following for the new installation:

Softcopy of drawings shall be both in CAD format and PDF format. All other documents shall be in PDF format

12. Site Staff & Key Personnel

The successful contractor should have the following qualified staff:

- (a) One experienced Electrical Engineer registered with the Council of Registered Engineers of Mauritius to attend all site meetings, to supervise all works, to submit all shop drawings and technical datasheet, to reply to queries on technical issues and to act as the representative of the Contractor for Electrical Works.
- (b) One experienced Electrical Technician holding the Part II Electrical Engineering Technician's Certificate of the City and Guilds of London or equivalent.

13. Safety and Health

The successful bidder shall comply with Safety & Health at work as per Act OSHA 2005.

14. Tool & Equipment

The contractor shall have his properly calibrated tools, approved instrument complying with IEC Standards to be used for any inspection, intervention and maintenance.

The contractor shall also have his appropriate equipment to execute the work.

15. Electrical works

The electrical installations shall conform in all respects to the Institution of Electrical Engineers (IEE- U.K.), 17th Edition Wiring Regulations (BS 7671-2008) with subsequent amendments.

The electric fence system shall comply to IEC60335-2-76 Safety of Electric fence energizers and IEC for Electromagnetic compatibility

16. Tests on Completion

On completion of the installations, the Electrical Contractor shall carry out tests in the presence of Project Manager or his representatives. The Contractor shall submit three (3) duly signed copies of the Tests Certificates to the Project Manager.

The tests shall be performed shall be as per requirement of the manufacturer and as required by the regulations.

Electrical Installation test shall consist of:

- a. Earth impedance test;
- b. Insulation resistance of all cables;
- c. Polarity test;
- d. Continuity tests;
- e. Operation of protective devices ;
- f. RCD tripping time; and
- g. Load test

Arrangements for testing including supply of test equipment shall be the responsibility of the Contractor. Test and measuring equipment used shall be of good quality.

18. List of drawings

ELECTRICAL LAYOUTS

SN	ELECTRICAL LAYOUT (attach to bid this documents/s)
1	Boundary wall I system Layout: ESD/EF/EL01
2	Boundary wall II system layout: ESD/EF/EL02
3	Top view of Boundary wall I system Layout: ESD/EF/EL03

Note: The above drawings are not to scale. All measurements shall be done on site.

5. MAINTENANCE CONTRACT

5.1 Introduction

The successful bidder shall be responsible for the maintenance and servicing of the electrified security fence system complete with the electrical system and all accessories at ICAC for a contractual period of **5 years including the 2 years warranty period**. The contract shall include **labour and minor spare parts**. The contractor shall also attend to faults during the contract period.

5.1.1 SCOPE OF WORKS

5.1.1.1 Maintenance Contract/Serviceing

The scope of works shall include servicing, verification, repairs and maintenance of the electrified security fence system and intrusion detection system complete with the electrical system and all accessories (UPS, electrical panels & switchgears, wiring & wireways). The frequency of the servicing of these Systems shall be done twice yearly. The successful bidder/contractor shall adhere to the Manufacturers' recommendations/instructions for all works to be carried out on the system. Inspection of defects, reporting, and all repair works shall be carried out by the prospective contractors.

5.1.1.2 Attending to faults

Any faults that may develop during the operation of the systems, shall be attended **within 3 hours** upon notification by the Client. Corrective and preventive actions shall be taken for any defects noted during servicing, verification and maintenance of the system.

5.1.1.3 Monthly Inspection

The system shall be visually inspected monthly to check the working of the system and working of the alarm system by simulating intrusion. Corrective measures shall be taken if required.

5.1.1.4 Assistance to ICAC

Technical assistance shall be given to the user in case intrusion is detected.

5.2 GENERAL NOTES

1. Successful bidder shall be required to submit a checklist for all the works performed during the yearly visits. Checklist / maintenance/servicing reports shall be as per the sheet (Checklist) given at the end of this documents with all remarks and any defects clearly mentioned and additionally the checklist (if any) as recommended by the manufacturer.
2. The price quoted shall be inclusive of the following:
 - (i) General servicing as per schedule and maintenance/repair works as and when required during the maintenance contract period.
 - (ii) All materials to be required for servicing and maintenance.
 - (iii) Transport and labour charges for all servicing, maintenance and repair works including interventions carried out outside normal working hours/weekend/public holidays.
 - (iv) All replacement parts and consumables required in minor repair works.
 - (v) Provision of all testing equipment, and any other tools/equipment required for servicing, maintenance and repair works.
 - (vi) Provision for scaffolding.
 - (vii) Civil works which may arise including painting works, making good of any damage caused to existing premises.
 - (viii) All related cost for work performed after office hours and during weekend/public holidays.
 - (ix) Contractor shall inform ICAC one week in advance prior to servicing or any maintenance/repair works.
 - (x) Where a work is specified or implied in this documents and not itemized or priced in the Financial Bid Form, any such work shall be deemed to have been included elsewhere in the Financial Bid Form.
3. All claims shall be vetted by ICAC.
4. Maintenance works shall be done during or after office hours & weekend.
5. The successful bidder would be required to attend to fault Breakdowns/faults **within 3 hours** from notification at odd hours, during weekends and/or public holidays with no additional cost The Contractor shall make arrangements to attend to breakdowns after notification (by telephone call, fax or otherwise) by Client. The details and contact number (Office/Mobile Num.) of the person for any works and emergency (after normal office hours/Weekends/Public Holidays) shall be given on award of the contract.

6. The successful bidder shall submit a yearly program of works for the maintenance and servicing/ verifications.
7. Price shall be quoted in the attached Financial Bid Form.
8. Upon award of contract, the successful bidder shall carry out the servicing and repair works.
9. The successful bidder shall provide a log book for the System for the verification and repair during the maintenance period and shall be kept at the ICAC.
10. The successful bidder shall comply with **Safety & Health at work as per regulations OSHA2005.**
11. The contractor shall have or employ or take the service of an Electrical Engineer registered with the CRPE to supervise this maintenance contract and the latter supervise all maintenance works
& sign these test certificates.

5.3 Conditions of Maintenance Contract

1. The contract shall include labour and transport charges for the maintenance, servicing, and attending any breakdowns/faults. For any faulty defective parts found during the contract period, a separate quotation shall be sent to the client for approval prior for repair works to be effected. A full report of any fault found should be given together with all details of required spare parts for the repairs, if any.
2. Bidders are required to give full details of the type of servicing that shall be done.
3. All preventive maintenance/servicing works shall be carried out during or after office hours/weekend under the presence of a representative of the ICAC. Appointment should be taken 24 hours in advance to ensure availability of the buildings for maintenance/servicing.
4. Breakdowns/faults shall be attended **within 3 hours** from notification at odd hours, during weekends and/or public holidays with no additional cost.
5. Faults of nature that represent safety risk (e.g critical apparatus in use connected to them etc.) shall be attended immediately upon notification.
6. Payment:
The yearly maintenance contract shall be paid on equal twice yearly basis with no down payment whatsoever as per Financial Bid Form.

7. ICAC reserves the rights to terminate the maintenance contract at any moment should the services deemed to be unsatisfactory. In case such a situation arises no further claim for payment shall be allowed by the contractor.
8. The Client reserve the right:
 - (a) To procure and supply any parts to the contractor for replacement of any faulty part.
 - (b) To carry out any repair work in-house or by another contractor. (c) not to renew the maintenance contract.
9. All correspondences, claims and quotations shall be addressed to the Supervising Officer, Corporate Services Division of ICAC.

5.4 Maintenance Contract Period

The bidder shall quote for five years maintenance contract as per Financial Bid Form. Award would be given for a period of two years and renewable on a yearly basis upon satisfactory performance of the works for the following years as per quoted price and conditions of the contract.

SECTION V

Compliance and Specifications (Technical sheet to be filled by Bidder)

[Bidders should complete columns C and D with the specifications and performance of the works offered. Also state "comply" or "not comply" and give details of any non-compliance/deviation to the specification required. Attach detailed technical literature if required. Authorise the specifications offered in the signature block below]

Item No.	Specifications and Performance Required	Compliance of Specifications and Performance Offered	Details of Non – Compliance / Deviation (if applicable)
A	B	C	D
1	Installation of electrified security fence system over the perimeter wall.		
Proposed Make, Model & Country of Origin			
Item		Make	Model & Country of origin
Main Controller			
Fence Controller			
Wire			
Insulator			
Post			
Others		To provide details in technical datasheet/catalogues	
<p>Bidder shall submit the catalogues and Technical datasheet together with the detail of the proposed system. Bidder shall also submit compliance certificate/s to IEC 60335 – 2 – 76 certified by a recognized laboratory. The laboratory shall be accredited by the European Union.</p> <p>The manufacturer's website of the proposed make/s shall be provided for verification.</p>			

2	Installation of an intelligent intrusion detection system in the perimeter fence wall		
	Proposed Make, Model & Country of Origin		
	Item	Make	Model & Country of origin
	Sensor		
	Main controller		
	Others	To provide details in technical datasheet/catalogues	
	Bidder shall submit the catalogues and Technical datasheet together with the detail of the proposed system.		

Specification and Compliance Sheets By:

Bidder's Signature: Name:

Position: Date:

Authorised for and on behalf of :

Company:

Seal:

SECTION VI

BID SUBMISSION FORM FOR TECHNICAL PROPOSAL

(TO BE FILLED BY THE BIDDER AND SUBMITTED AS THE TECHNICAL PROPOSAL)

1. Name and address of Bidder: _____

2. Telephone No _____ 3. Mobile Phone No _____

3. Fax No _____ 5. E-mail address _____

4. Having examined the bidding documents, including Addendum, the receipt of which is hereby acknowledged, I am / we are submitting our Technical proposal for the installation and commissioning of electrified security fence and an intelligent intrusion detection system all along the perimeter wall and the existing fence at ICAC, as described above in response to the Invitation for Bids.
5. I am/ we are also enclosing full details and relevant drawings of the project as well as a programme of proposed works. I/we propose to execute to suit your requirements.
6. The proposal for the installation and commissioning of electrified security fence and an intelligent intrusion detection system all along the perimeter wall and the existing fence at ICAC shall be completed **within six (6) months** from the date of signature of the contract.
7. I/ We confirm that I am/ we are eligible to participate in this bidding exercise and meet the eligibility criteria specified on Instruction To Bidders.
8. This bid shall remain valid for a period of 120 days as from the deadline set for the submission of bids.

Name of Bidder: _____

Signature of Bidder _____

Position in company (if applicable) _____

Date: _____

Section VII
FINANCIAL BID FORM

Item No.	Description	Unit	Quantity	Rate	Amount
1	Installation and Commissioning of Electrified Security Fence System and an Intelligent Intrusion Detection System all along the perimeter wall and the existing fence at ICAC. All associated electrical, civil works and other works as described in the bid document.	Lot	1		
2	Maintenance contract				
i	Year 1 (defect liability period)	Lot	1		
ii	Year 2 (defect liability period)	Lot	1		
iii	Year 3	Lot	1		
iv	Year 4	Lot	1		
v	Year 5	Lot	1		
3	Contingencies	Lot	1		200,000
4	Total amount quoted in figures (excl. VAT) RS				
5	15% VAT				
6	Total amount quoted in figures (incl. VAT) RS				
7	Total amount quoted in words				

Section VIII

BID SUBMISSION FORM FOR FINANCIAL PROPOSAL

(TO BE FILLED BY THE BIDDER AND SUBMITTED AS THE TECHNICAL PROPOSAL)

1. Name and address of Bidder: _____

2. Telephone No _____ 3. Mobile Phone No _____
4. Fax No _____ 5. E-mail address _____
6. Having examined the bidding documents, including Addendum, the receipt of which is hereby acknowledged, I am /We are submitting our Financial proposal for the installation and commissioning of electrified security fence and an intelligent intrusion detection system all along the perimeter wall and the existing fence at ICAC, as described above in response to the Invitation for Bids.
7. I / we undertake to execute the contract for the installation and commissioning of electrified security fence and an intelligent intrusion detection system all along the perimeter wall and the existing fence at ICAC, for the total price of _____ , inclusive of VAT.
8. We confirm that we are eligible to participate in this Bidding exercise and meet the eligibility criteria specified in Section II: Instructions to Bidders.
9. Our Bid shall be valid for a period of **ninety (90) days** from the date fixed for the Bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
10. We understand that this Bid, together with the Letter of Acceptance, shall constitute a binding contract between us, until a formal contract is prepared and executed.
11. We confirm that our prices quoted in the *Financial Bid Form* are fixed and firm and will not be subject to revision or variation, if we are awarded the contract **prior to the expiry** date of the Bid validity.
12. 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 person or firm, offer, promise or give to any of the ICAC's employees involved in the Bidding process or the execution of the contract or to any third person any material or immaterial benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Bid 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, 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.

- 13. We hereby confirm that we have read and understood the content of the Bid Securing Declaration attached herewith and subscribe fully to the terms and conditions mentioned therein, if required. We understand that non-compliance to the conditions mentioned may lead to disqualification.
- 14. If our Bid is accepted, we will provide the specified performance security and Guarantee period.
- 15. We understand that you are not bound to accept the lowest evaluated Bid or any other Bid you may receive; and
- 16. If the contract is awarded, the person named below shall act as representative.

Name:.....

In capacity of:.....

Signed:

Duly Authorised to sign the Bid for and on behalf of:

Name of Directors/Shareholders of the Company:

.....
.....
.....
.....

Date:.....

Seal of Company:

APPENDIX TO BID SUBMISSION FORM

BID SECURING DECLARATION

By subscribing to the undertakings of the Bid Submission Form:

I/We* accept that I/we* may be disqualified from Bidding for any contract with **ICAC** for the period of time that may be determined by the **ICAC**, if I am/we are* in breach of any obligation under the Bid conditions, because I/we*:

- (a) have modified or withdrawn my/our* Bid after the deadline for submission of Bids during the period of Bid validity specified by the Bidder in the Bid Submission Form; or
- (b) have refused to accept a correction of an error appearing on the face of the Bid; or
- (c) having been notified of the acceptance of our Bid by the **ICAC** during the period of Bid validity, (i) have failed or refused to execute the Contract, if required, or (ii) have failed or refused to furnish the Performance Security, in accordance with the Instructions to Bidders.

I/We* understand this Bid Securing Declaration shall cease to be valid (a) in case I/we am/are the successful Bidder, upon our receipt of copies of the contract signed by you and the Performance Security issued to you by me/us ; or (b) if I am/we are* not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my/our* Bid.

In case of a Joint Venture, all the partners of the Joint Venture shall be jointly and severally liable.

Name		Signature	
Position		Date	
Name of Company		Telephone/ Fax/E-mail	
Address		Company Seal	

SECTION IX
GENERAL CONDITIONS OF CONTRACT

A. General

1.0 Contract Agreement

1.1 The parties shall enter into a Contract Agreement within fifteen (15) days after the contractor receives the Letter of Acceptance unless they agree otherwise.

2.0 Project Manager's Decisions

2.1 Except where otherwise specifically stated, the Project Manager shall decide contractual matters between the ICAC and the Contractor in the role representing the ICAC.

3.0 Communications

3.1 Communications between parties that are referred to in the Conditions shall be effective only when in writing. A notice shall be effective only when it is delivered.

4.0 Personnel and Equipment

4.1 The Contractor shall employ the key personnel and use the equipment identified in its Bid, to carry out the Works or other personnel and equipment approved by the Project Manager. The Project Manager shall approve any proposed replacement of key personnel and equipment only if their relevant qualifications or characteristics are substantially equal to or better than those proposed in the Bid.

4.2 If the Project Manager asks the Contractor to remove a person who is a member of the Contractor's staff or work force, stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

5.0 ICAC's and Contractor's Risks

5.1 The ICAC carries the risks which this Contract states are ICAC's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

6.0 Employer's and Contractor's Risk

6.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

7.0 Employer's Risk

7.1 From the Start Date until the Defects Liability Certificate has been issued, the following are Employer's risks:

- (a) The risk of personal injury, death, or loss of or damage to property (excluding the Works, Plant, Materials, and Equipment), which are due to
 - (i) use or occupation of the Site by the Works or for the purpose of the Works, which is the unavoidable result of the Works or
 - (ii) negligence, breach of statutory duty, or interference with any legal right by the Employer or by any person employed by or contracted to him except the Contractor.
- (b) The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Employer or in the Employer's design, or due to war or radioactive contamination directly affecting the country where the Works are to be executed.

7.2 From the Completion Date until the Defects Liability Certificate has been issued, the risk of loss of or damage to the Works, Plant, and Materials is an Employer's risk except loss or damage due to

- (a) a Defect which existed on the Completion Date,
- (b) an event occurring before the Completion Date, which was not itself an Employer's risk, or
- (c) the activities of the Contractor on the Site after the Completion Date.

8.0 Contractor's Risks

8.1 From the Starting Date until the Defects Liability Certificate has been issued, the risks of personal injury, death, and loss of or damage to property (including, without limitation, the Works, Plant, Materials, and Equipment) which are not Employer's risks are Contractor's risks.

9.0 Insurance

9.1 The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start Date to the end of the Defects Liability Period, for the following events which are due to the Contractor's risks:

- (a) loss of or damage to the Works, Plant, and Materials;
- (b) loss of or damage to Equipment;
- (c) loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract; and
- (d) personal injury or death.

- 9.2 Policies and certificates for insurance shall be delivered by the Contractor to the Project Manager for the Project Manager's approval within 21 days after issue of letter of Acceptance. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.
- 9.3 If the Contractor does not provide any of the policies and certificates required, the Employer may effect the insurance which the Contractor should have provided and recover the premiums the Employer has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.
- 9.4 Alterations to the terms of an insurance shall not be made without the approval of the Project Manager.
- 9.5 Both parties shall comply with any conditions of the insurance policies.
- 9.6 The policies which are in the joint names of the Contractor and the Employer shall contain a clause to include a waiver of subrogation of the Contractor's rights to the insurance carrier against the Employer.

10.0 Contractor to Construct the Works

- 10.1 The Contractor shall construct and install the Works in accordance with the Specifications and Drawings.

11.0 The Works to Be Completed by the Intended Completion Date

- 11.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the Program submitted by the Contractor, as updated with the approval of the Project Manager, and complete them by the Intended Completion Date.

12.0 Approval by the Project Manager

- 12.1 The Contractor shall submit Specifications and Drawings showing the proposed Temporary Works to the Project Manager, for his approval.
- 12.2 The Contractor shall be responsible for design of Temporary Works.
- 12.3 The Project Manager's approval shall not alter the Contractor's responsibility for design of the Temporary Works.
- 12.4 The Contractor shall obtain approval of third parties to the design of the Temporary Works, where required.
- 12.5 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Project Manager before this use.

13.0 Health and Safety

- 13.1 The Contractor shall be responsible for the health and safety of all activities on the Site.
- 13.2 The Contractor shall comply with the relevant legislations regarding health and safety on site, including the Occupational Safety and Health (Safety of Scaffold) Regulations 2013.
- 13.3 The contractor shall send to the Project Manager details of any accident as soon as practicable after its occurrence and shall maintain records and submit reports concerning health, safety and welfare of persons and damage to property, as the Project Manager may reasonably require.

14.0 Possession of the Site

- 14.1 The Employer shall, after receiving the Performance security, the insurance covers and the Program for the Works all as per requirements, give possession of all parts of the Site to the Contractor within seven days for execution of works in accordance to the Program for the Works. If possession of a part is not given by the date stated in the bidding documents or as thereafter reviewed and agreed by the parties, the Employer shall be deemed to have delayed the start of the relevant activities, and this shall be a Compensation Event.

15.0 Access to the Site

- 15.1 The Contractor shall allow the Project Manager and any person authorized by the Project Manager access to the Site and to any place where work in connection with the Contract is being carried out or is intended to be carried out.

16.0 Instructions

- 16.1 The Contractor shall carry out all instructions of the Project Manager which comply with the applicable laws where the Site is located.
- 16.2 The Contractor shall permit persons appointed by the Employer to inspect the Site and/or the accounts and records of the Contractor and its sub-contractors relating to the performance of the Contract, and to have such accounts and records audited by auditors appointed by the Employer if required by the Employer. The Contractor's attention is drawn to Sub-Clause 33.1 which provides, inter alia, that acts intended to materially impede the exercise of the inspection and audit rights provided for under Sub-Clause 16.2 constitute a prohibited practice subject to contract termination.

B. Time Control

17.0 Program

- 17.1 Within the time stated in the bidding documents , after the date of the Letter of Acceptance, the Contractor shall submit to the Project Manager for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works. In the case of a lump sum contract, the activities in the Program shall be consistent with those in the Activity Schedule.
- 17.2 An update of the Program shall be a program showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work, including any changes to the sequence of the activities

- 17.3 The Project Manager's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Project Manager again at any time. A revised Program shall show the effect of Variations and Compensation Events.

18.0 Extension of the Intended Completion Date

- 18.1 The Project Manager shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining work, which would cause the Contractor to incur additional cost.
- 18.2 The Project Manager shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Project Manager for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.

19.0 Management Meetings

- 19.1 Either the Project Manager or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.
- 19.2 The Project Manager shall record the business of management meetings and provide copies of the record to those attending the meeting and to the ICAC. The responsibility of the parties for actions to be taken shall be decided by the Project Manager either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.

20.0 Early Warning

- 20.1 The Contractor shall warn the Project Manager at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase the Contract Price, or delay the execution of the Works. The Project Manager may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Contract Price and Completion Date. The estimate shall be provided by the Contractor as soon as reasonably possible.
- 20.2 The Contractor shall cooperate with the Project Manager in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Project Manager.

C. Quality Control

21.0 Identifying Defects

- 21.1 The Project Manager shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Project Manager may instruct the Contractor to search for a Defect and to uncover and test any work that the Project Manager considers may have a Defect.

22.0 Tests

- 22.1 If the Project Manager instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect, the test shall be a Compensation Event

23.0 Correction of Defects

- 23.1 The Project Manager shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
- 23.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Project Manager's notice.

24.0 Uncorrected Defects

- 24.1 If the Contractor has not corrected a Defect within the time specified in the Project Manager's notice, the Project Manager shall assess the cost of having the Defect corrected, and the Contractor shall pay this amount.

D. Cost Control

25.0 Variations

- 25.1 All Variations shall be included in updated Programs, and, in the case of a lump sum contract, also in the Activity Schedule, produced by the Contractor.
- 25.2 The Contractor shall provide the Project Manager with a quotation for carrying out the Variation when requested to do so by the Project Manager. The Project Manager shall assess the quotation, which shall be given within seven (7) days of the request or within any longer period stated by the Project Manager and before the Variation is ordered.
- 25.3 If the Contractor's quotation is unreasonable, the Project Manager may order the Variation and make a change to the Contract Price, which shall be based on the Project Manager's own forecast of the effects of the Variation on the Contractor's costs.
- 25.4 If the Project Manager decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.
- 25.5 The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning.

26.0 Payments

- 26.1 Payments shall adjusted for deductions for advance payments and retention money. The ICAC shall pay the Contractor the amount certified by the Project Manager after completion of the project.

27.0 Retention money

- 27.1 The ICAC shall withhold **5%** of the contract amount as retention money which shall be released after six (6) months from date of completion of the project.

28.0 Advance Payment

28.1 The ICAC shall provide an Advance Payment on the Contract Price. The Advance Payment shall be limited to **10%** of the Contract Price. The Advance Payment shall be guaranteed by an Unconditional Bank Guarantee in a form acceptable to the ICAC.

29.0 Liquidated Damages

29.1 If the Bidder fails to complete the project within the period specified in the Contract or letter of award, the ICAC may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 3% of the Contract price for each week's delay or part thereof of up to a maximum deduction of 10% of the final contract price. Once the maximum is reached the ICAC may consider termination of the contract.

29.2 The Contractor is to use the advance payment only to pay for Equipment, Plant, Materials, and mobilization expenses required specifically for execution of the Contract. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the Project Manager.

29.3 The advance payment shall be repaid by deducting proportionate amounts from payments to the Contractor, following completion of the project.

30.0 Performance Security

30.1 The successful bidder shall provide a Performance Security to the ICAC within 28 days of the receipt of Letter of Acceptance and shall be issued in an amount representing **10 %** of the Contract price by a local bank.

30.2 The successful bidder shall ensure that the Performance Guarantee remains valid throughout the duration of the contract and the defects liability period and it shall expire 21 days after the completion of the Defect Liability Certificate.

31.0 Defects Liability Period

31.1 The Defects Liability Period is twenty four (24) months.

31.2 Should any defect arise during the contractual period and up to the end of the Defects Liability Period and the Contractor fails to correct the Defect within the time specified in the Project Manager's notice, this shall constitute a breach of the Contractor's obligations under the contract. The Project Manager shall assess the cost of having the defect corrected and recover the money from monies due to the contractor or from the Performance Security.

E. Finishing

32.0 Completion

- 32.1 The Contractor shall request the Project Manager to issue a Certificate of Completion of the Works, and the Project Manager shall do so upon deciding that the whole of the Works is completed.
- 32.2 The Certificate of Completion shall be issued within 14 days from date of completion of the works.

33.0 Taking Over

- 33.1 The Employer shall take over the Site and the Works within seven days of the Project Manager's issuing a certificate of Completion.

34.0 Termination

- 34.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.
- 34.2 Fundamental breaches of Contract shall include, but shall not be limited to, the following:
- (a) the Contractor stops work for 28 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Project Manager;
 - (b) the Project Manager instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within 28 days;
 - (c) the Employer or the Contractor is made bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
 - (d) the Project Manager gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Project Manager;
 - (e) the Contractor does not maintain a Security, which is required;
 - (f) the Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid; or
 - (g) if the Contractor, in the judgment of the Employer, has engaged in corrupt or fraudulent practices in competing for or in executing the Contract, pursuant to GCC Clause 33.1.
- 34.3 Notwithstanding the above, the ICAC may terminate the contract for its convenience at any time upon a determination that because of changed circumstances the continuation of the contract is not in the public interest.
- 34.4 If the Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure, and leave the Site as soon as reasonably possible.

35.0 Fraud / Corruption and Integrity Clause

- 35.1 If the Employer determines that the Contractor has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract, then the Employer may, after giving 14 days notice to the Contractor, terminate the Contractor's employment under the Contract and expel him from the Site, and the provisions of Clause 32 shall apply as if such expulsion had been made under Sub-Clause 33.4 [Termination by Employer].
- 35.2 Should any employee of the Contractor be determined to have engaged in corrupt, fraudulent, collusive, coercive, or obstructive practice during the execution of the Works, then that employee shall be removed in accordance with Clause 4.
- 35.3 If the Employer determines that the Contractor has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract, then the Employer may, after giving 14 days' notice to the Contractor, terminate the Contractor's employment under the Contract and expel him from the Site, and the provisions of Clause 32 shall apply as if such expulsion had been made under Sub-Clause 32.4 [Termination by Employer].
- 35.2 Should any employee of the Contractor be determined to have engaged in corrupt, fraudulent, collusive, coercive, or obstructive practice during the execution of the Works, then that employee shall be removed in accordance with Clause 4.
- 35.3 For the purposes of this Sub-Clause:
- (i) "corrupt practice" is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;
 - (ii) "fraudulent practice" is any act or omission, including 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;
 - (iii) "collusive practice" is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
 - (iv) "coercive practice" is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
 - (v) "obstructive practice" is
 - (a) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or
 - (b) acts intended to materially impede the exercise of an inspection and audit rights provided for under Sub-Clause 15.2.
- 35.4 The Contractor shall take steps to ensure that no person acting for it or on its behalf will

engage in any type of fraud and corruption during the contract execution:

Transgression of the above is a serious offence and appropriate actions will be taken against such contractors.

36.0 Payment upon Termination

- 36.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Project Manager shall issue a certificate for the value of the work done and Materials ordered less advance payments received up to the date of the issue of the certificate and less the percentage to apply to the value of the work not completed. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable to the Employer.
- 36.2 If the Contract is terminated for the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Project Manager shall issue a certificate for the value of the work done, Materials ordered, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works, and less advance payments received up to the date of the certificate
- 36.3 If the Contract is terminated the Contractor shall not be entitled to recover anticipated profits on the completion of the contract.

37.0 Property

- 37.1 All Materials on the Site, Plant, Equipment, Temporary Works, and Works shall be deemed to be the property of the Employer if the Contract is terminated because of the Contractor's default.

38.0 Release from Performance

- 38.1 If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor, the Project Manager shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which a commitment was made.

39.0 Dispute Settlement

- 39.1 Any dispute arising out of or in connection with the present Contract shall be amicably settled between the parties.
- 39.2 Any dispute between the Parties as to matters arising pursuant to this Contract which cannot be settled amicably within sixty (60) days after receipt by one Party of the other Party's request for such amicable settlement, may be submitted by either Party for arbitration under the applicable law.

SECTION X

GUARANTEE

I / We guarantee that the electrified security fence and the intelligent intrusion detection system to be installed all along the perimeter wall and the existing fence at ICAC shall be brand new, free from all encumbrances, defects and faults in material, workmanship and manufacture and shall be of the highest grade and quality and consistent with the established and generally accepted standards for materials of the type ordered and shall be in full conformity with the specifications and shall be operate properly.

Name:.....

Signature:.....

In capacity of: Director of the company

Date:.....

Seal of Company

SECTION XI
CURRENT STANDING FORM

I confirm that the company is eligible to participate in this Bidding exercise and meets the eligibility criteria at paragraph 2.0 of Instructions to Bidders at **Section II** of this bidding documents and that the company:

- (a) Was duly incorporated under the provisions of the Companies Act 2001;;
- (b) The name of the company is still on the Register of Companies;
- (c) has paid all fees due and payable;
- (d) is not in receivership
- (e) is not bankrupt;
- (f) is not in administration,
- (g) is not in the process of being wound up and dissolved;
- (f) The office of the Registrar has not initiated any proceedings to remove the company from the Registrar.

Name:.....

Signature:.....

In capacity of: Director of the company

Date:.....

Seal of Company

SECTION XII

Manufacturer's Authorization

*[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the **BDS.**]*

Date: *[insert date (as day, month and year) of Bid Submission]*

Procurement Ref. No.: *[insert number of bidding process]*

To: *[insert complete name of Purchaser]*

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Section VIII of this bidding documents, with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Dated on _____ day of _____, _____ *[insert date of signing]*

SECTION XIII

BID CHECK LIST

Check list for submission of bids

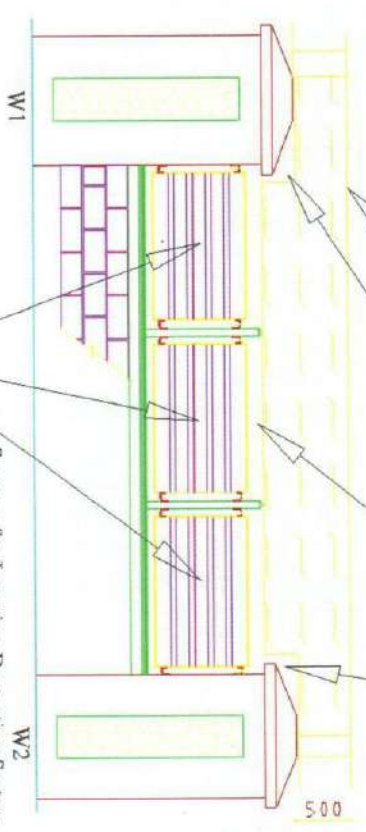
(To be filled by bidder)

1. Bidder's Eligibility and Qualifications	<i>(please tick if submitted and cross if not)</i>
(a) Copy of National Identity Card of bidder or Copy of biodata page of a passport of bidder	
(b) Certificate of Incorporation (if applicable)	
(c) Certificate of Business Registration Number (if applicable)	
2. Technical Proposal	
(d) Technical documents and Drawings	
(e) Qualifications and experience	
(f) Program of works	
(g) Bid Submission Form for technical proposal duly signed as per Section VI	
(h) Compliance and Specifications (Technical Sheet)	
(i) List of at least two projects for works of similar nature	
(j) Guarantee.	
(k) Current standing form	
(l) Manufacturer's Authorization	
(m) Compliance certificate	
(n) Duly signed declaration as per Annex I of Section VIII	
3. Financial Proposal	
(o) Bid Submission Form containing the Financial Proposal as per Section VI	

Disclaimer: The list defined above is meant to assist the Bidder in submitting the relevant documents and shall not be a ground for the Bidder to justify its non-submission of major documents for its bid to be responsive. The onus remains on the Bidder to ascertain that it has submitted all the documents that have been requested and are needed for its submission to be complete and responsive

There should not be gap of more than 100mm between the lower electric fence and the existing fence both horizontally and vertically

The Electric fence shall be 500mm above the highest point of the wall, shall be above the wall or the interior wall and shall be gap of at most 100mm between parallel fence running along the wall



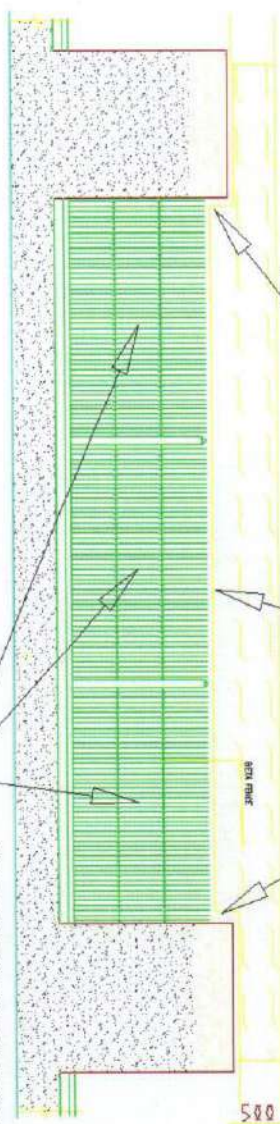
- Note:
1. All measurements shall be done on site.
 2. The above shall repeat to other parts of the wall.
 3. The electric fence shall contour the part wall W1 & W2 as shown in the top view layout.

Sensors for Intrusion Detection System shall be installed as indicated. The system shall ensure that any unauthorised tampering of the metal structure is detected, any other equipment/installation required to achieve it shall be installed. To avoid the effect of false alarm due vibration by wind and vehicular movement, the sensors could also be placed at best locations, any additional sensors required shall be installed

Perimeter Security System at ICAC	Title: Boundary wall 1 system layout	Dwg num: ESD/SF/EL1
		Date: May 2023

There should not be gap of more than 100mm between the lower electric fence and the metal barrier both horizontally and vertically

The Electric fence shall be 500mm above the highest point of the wall. shall be above the wall or the interior wall and shall be gap of at most 100mm between parallel fence running along the wall



- Note:**
1. All measurements shall be done on site.
 2. The above shall repeat to other parts of the wall.

Sensors for Intrusion Detection System shall be installed here.
 The system shall ensure that any unauthorised tampering of the metal structure is detected, any other equipment/installation required to achieve it shall be installed.

PART WALL ELEVATION OF BOUNDARY TYPE II WITH ELECTRIC FENCE AND INTELLIGENT INTRUSION DETECTION SYSTEM

Perimeter Security System at ICAC	Title: Boundary wall2 layout	Dwg num: ESD/SF/EL2 Date: May 2023	Drawn by: ESD — MNI & CD
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