



STANDARD TENDER DOCUMENT

**ANNUAL MAINTENANCE CONTRACT FOR INTEGRATED
SECURITY SYSTEM**

THREE (3) YEARS FRAMEWORK AGREEMENT

TENDER NO.KRA/HQS/NCB-056/2018-2019

TIMES TOWER BUILDING

P.O. BOX 48240 – 00100

TEL: +254 02 310900

WWW.KRA.GO.KE

**Email: eprocurement@kra.go.ke
NAIROBI, KENYA.**

**PRE- BID: 17TH MAY, 2019 AT 10.00 AM
AT TIMES TOWER.**

CLOSING DATE :31ST MAY 2019 AT 11.00AM

MAY 2019

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Tender Notice

1. The Kenya Revenue Authority invites sealed bids from eligible candidates for the following tenders:

N O	DESCRIPTION	ELIGIBILI TY	PRE- BID - DATE, TIME, AND VENUE	CLOSING DATE AND TIME
1.	KRA/HQS/NCB-056/2018-2019: TENDER DOCUMENT FOR ANNUAL MAINTENANCE CONTRACT FOR INTEGRATED SECURITY SYSTEM	OPEN	17 TH MAY, 2019 10.00. AM TIMES TOWER	31 ST MAY, 2019 11.00 AM TIMES TOWER

2. Tender documents detailing the requirements of the above tenders in English may be obtained from KRA E-Procurement portal available on the KRA website www.kra.go.ke. Prospective bidders should register for E-Procurement to enable them access the KRA portal under “New Supplier Registration” found under the E - Procurement Tab.
3. Existing KRA suppliers (see list on KRA website) who have not updated their records in SRM System **MUST do so Not later than 15th May 2019 to continue receiving RFxs invitations**. For assistance visit any KRA Procurement office countrywide or email: srmsupport@kra.go.ke.
4. Addenda / clarifications will be posted in Kra Website (www.kra.go.ke) and also sent to all prospective tenderes that have registered for the tender in the KRA supplier Portal.
5. Technical Qualification requirements; Refer to Section V of the bidding document.
6. Completed Bids are to be saved as **PDF documents** marked with the relevant tender description and submitted to the appropriate KRA E-procurement Web Portal found on the KRA website so as to be received on or before **31ST May, 2019 at 11.00 a.m.** **Note: Submission should strictly be done to KRA E-Procurement Portal.**
7. Bids will be opened electronically promptly after closing time and Bidders or their representatives are welcome to witness the opening at **Times Tower Building**.
8. An original hard copy of the Bid Security (where applicable) of not less than the indicated amount or equivalent amount in a freely convertible currency must be dropped in the **Tender Box** located at **Times Tower Building, Ground Floor** any day before the tender closing date. The Bid Security (where applicable) must be in a sealed envelope bearing the Tender Description and addressed to the address indicated above.

Deputy Commissioner-Supply Chain Management
Times Tower Building, 25th Floor,
P.O Box 48240– 00100 GPO,
Tel. +254 020 310900
Nairobi, Kenya.
website: www.kra.go.ke
Email :eprocurement@kra.go.ke

Any canvassing or giving of false information will lead to automatic disqualification.

SECTION II: INSTRUCTIONS TO TENDERERS

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SECTION II - INSTRUCTIONS TO TENDERERS

2.1 Eligible Tenderers

- 2.1.1 This Invitation for Tenders is open to all tenderers eligible as described in the Invitation to Tender. Successful tenderers shall complete the supply of goods by the intended completion date specified in the Schedule of Requirements Section VI.
- 2.1.2 The Kenya Revenue Authority's employees, committee and board members and their relatives (spouse and children) are not eligible to participate in the tender.
- 2.1.3 Tenderers shall provide the qualification information statement that the tenderer (including all members of a joint venture and subcontractors) is not associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Kenya Revenue Authority (KRA) to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods under this Invitation for tenders.
- 2.1.4 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices.

2.2 Eligible Goods

- 2.2.1 All goods to be supplied under the contract shall have their origin in eligible source countries.
- 2.2.2 For purposes of this clause, "origin" means the place where the goods are mined, grown, or produced. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially-recognized product results that is substantially different in basic characteristics or in purpose or utility from its components
- 2.2.3 The origin of goods is distinct from the nationality of the tenderer.

2.3 Cost of Tendering

- 2.3.1 The Tenderer shall bear all costs associated with the preparation and submission of its tender, and KRA, will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.
- 2.3.2 The tender documents shall be downloaded free of charge.
All firms found capable of performing the contract satisfactorily in accordance to the set prequalification criteria shall be prequalified.

2.4 The Tender Document

- 2.4.1 The tender document comprises the documents listed below, and addenda issued in accordance with clause 2.6 of these instructions to Tenderers

- (i) Invitation to Tender
- (ii) Instructions to tenderers
- (iii) General Conditions of Contract
- (iv) Special Conditions of Contract
- (v) Schedule of requirements
- (vi) Technical Specifications
- (vii) Tender Form and Price Schedules
- (viii) Contract Form
- (ix) Performance Security Form
- (x) Bank Guarantee for Advance Payment Form
- (xi) Manufacturer's Authorization Form
- (xii) Confidential Business Questionnaire.

2.4.2 The Tenderer is expected to examine all instructions, forms, terms, and specifications in the tender documents. Failure to furnish all information required by the tender documents or to submit a tender not substantially responsive to the tender documents in every respect will be at the tenderers risk and may result in the rejection of its tender.

2.5 Clarification of Documents

2.5.1 A prospective tenderer requiring any clarification of the tender document may notify the Procuring entity in writing or by post at the entity's address indicated in the Invitation to Tender. The Procuring entity will respond in writing to any request for clarification of the tender documents, which it receives not later than seven (7) days prior to the deadline for the submission of tenders, prescribed by the procuring entity. Written copies of KRA's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all prospective tenderers that have received the tender document.

2.5.2 The procuring entity shall reply to any clarifications sought by the tenderer within 3 days of receiving the request to enable the tenderer to make timely submission of its tender.

2.6 Amendment of Documents

2.6.1 At any time prior to the deadline for submission of tenders, the Procuring entity, for any reason, whether at its own initiative or in response to a clarification requested by a prospective tenderer, may modify the tender documents by amendment.

2.6.2 All prospective candidates that have received the tender documents will be notified of the amendment in writing or by post and will be binding on them.

2.6.3 In order to allow prospective tenderers reasonable time in which to take the amendment into account in preparing their tenders, KRA, at its discretion, may extend the deadline for the submission of tenders.

2.7 Language of Tender

2.7.1 The tender prepared by the tenderer, as well as all correspondence and documents relating to the tender exchange by the tenderer and KRA, shall be written in English language, provided that any printed literature furnished by the tenderer may be written in another language provided they are accompanied by an accurate English translation of the relevant passages in which case, for purposes of interpretation of the tender, the English translation shall govern.

2.8 Documents Comprising of Tender

2.8.1 The tender prepared by the tenderers shall comprise the following components:

- (a) a Tender Form and a Price Schedule completed in accordance with paragraph 2.9, 2.10 and 2.11 below;
- (b) documentary evidence established in accordance with paragraph 2.1.2 that the tenderer is eligible to tender and is qualified to perform the contract if its tender is accepted;
- (c) documentary evidence established in accordance with paragraph 2.2.1 that the goods and ancillary services to be supplied by the tenderer are eligible goods and services and conform to the tender documents; and
- (d) tender security furnished in accordance with paragraph 2.14

2.9 Tender Forms

2.9.1 The tenderer shall complete the Tender Form and the appropriate Price Schedule furnished in the tender documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.

2.10 Tender Prices

- 2.10.1 The tenderer shall indicate on the appropriate Price Schedule the unit prices and total tender price of the goods it proposes to supply under the contract.
- 2.10.2 Prices indicated on the Price Schedule shall include all costs including taxes, insurances and delivery to the premises of KRA.
- 2.10.3 Prices quoted by the tender shall be fixed during the Tender's performance of the contract and not subject to variation on any account. A tender submitted with an adjustable price quotation will be treated as non-responsive and will be rejected, pursuant to paragraph 2.22.
- 2.10.4 The validity period of the tender shall be 335 days from the date of opening of the tender.

2.11 Tender Currencies

2.11.1 Prices shall be quoted in Kenya Shillings unless otherwise specified in the Appendix to Instructions to Tenderers.

2.12 Tenderers Eligibility and Qualifications

- 2.12.1 Pursuant to paragraph 2.1 the tenderer shall furnish, as part of its tender, documents establishing the tenderers eligibility to tender and its qualifications to perform the contract if its tender is accepted.
- 2.12.2 The documentary evidence of the tenderers eligibility to tender shall establish to KRA's satisfaction that the tenderer, at the time of submission of its tender, is from an eligible source country as defined under paragraph 2.1.
- 2.12.3 The documentary evidence of the tenderers qualifications to perform the contract if its tender is accepted shall be established to KRA's satisfaction;
 - (a) that, in the case of a tenderer offering to supply goods under the contract which the tenderer did not

manufacture or otherwise produce, the tenderer has been duly authorized by the goods' Manufacturer or producer to supply the goods;

- (b) that the tenderer has the financial, technical, and production capability necessary to perform the contract; and
- (c) that, in the case of a tenderer not doing business within Kenya, the tenderer is or will be (if awarded the contract) represented by an Agent in Kenya equipped, and able to carry out the Tenderer's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications.

2.13 Goods Eligibility and Conformity to Tender Documents

2.13.1 Pursuant to paragraph 2.2 of this section, the tenderer shall furnish, as part of its tender documents establishing the eligibility and conformity to the tender documents of all goods which the tenderer proposes to supply under the contract

2.13.2 The documentary evidence of the eligibility of the goods shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.

2.13.3 The documentary evidence of conformity of the goods to the tender documents may be in the form of literature, drawings, and data, and shall consist of:

- (a) a detailed description of the essential technical and performance characteristic of the goods;
- (b) a list giving full details including available source and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period of three (3) years, following commencement of the use of the goods by KRA; and
- (c) a clause-by-clause commentary on KRA's Technical Specifications demonstrating substantial responsiveness of the goods and service to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.

2.13.4 For purposes of the documentary evidence to be furnished pursuant to paragraph 2.13.3(c) above, the tenderer shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Procurement entity in its Technical Specifications, are intended to be descriptive only and not restrictive. The tenderer may substitute alternative standards, brand names, and/or catalogue numbers in its tender, if it demonstrates to the Procurement entity's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

2.15 Validity of Tenders

2.15.1 Tenders shall remain valid **for 335 days** or as specified in the Invitation to Tender after the date of tender opening prescribed by KRA, pursuant to paragraph 2.18. A tender valid for a shorter period shall be rejected by KRA as non-responsive.

- 2.15.2 In exceptional circumstances, KRA may solicit the Tenderer's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The tender security provided under paragraph 2.14 shall also be suitably extended. A tenderer may refuse the request without forfeiting its tender security. A tenderer granting the request will not be required nor permitted to modify its tender

2.16 Format and Signing of Tender

- 2.16.1 Bidders to note that the COMBINED TECHNICAL AND FINANCIAL proposal shall be submitted through the KRA supplier portal. **The bidder shall submit Combined technical and financial proposals electronically via the supplier portal in the Notes and Attachment Section of the RFX (Tender).**
- 2.16.2 Submission shall be strictly via the supplier portal. Hardcopies shall not be accepted whatsoever.
- 2.16.3 The tender shall have no interlineations, erasures, or overwriting except as necessary to correct errors made by the tenderer, in which case such corrections shall be initialed by the person or persons signing the tender.

Deadline for Submission of Tenders

2.17

- 2.17.1 Tenders must be received by KRA electronically not later than **31ST May, 2019 at 11.00am**
- 2.17.2 KRA may, at its discretion, extend this deadline for the submission of tenders by amending the tender documents in accordance with paragraph 2.6, in which case all rights and obligations of KRA and candidates previously subject to the deadline will therefore be subject to the deadline as extended

2.19 Modification and Withdrawal of Tenders

- 2.19.1 The tenderer may modify the tender after submission and resubmit to the respective folders. All prior submissions cannot be deleted or overwritten. Tenderer to note that the latest submission shall be considered as the final version and all prior submissions shall be disregarded..
- 2.19.2 The Tenderer's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of paragraph 2.17. A withdrawal notice may also be sent by cable, telex but followed by a signed confirmation copy, postmarked not later than the deadline for submission of tenders.
- 2.19.3 No tender may be modified after the deadline for submission of tenders.
- 2.19.4 No tender may be withdrawn in the interval between the deadline for submission of tenders and the expiration of the period of tender validity specified by the tenderer on the Tender Form. Withdrawal of a tender during this interval may result in the Tenderer's forfeiture of its tender security, pursuant to paragraph 2.14.7.
- 2.19.5 KRA may at any time terminate procurement proceedings before contract award and shall not be liable to any person for the termination.
- 2.19.6 KRA shall give prompt notice of the termination to the tenderers

and on request give its reasons for termination within 14 days of receiving the request from any tenderer.

2.20 Opening of Tenders

2.20.1 KRA will open all tenders electronically in the presence of tenderers' representatives who choose to attend, **on 31ST May 2019 at 11.00 am**

The tenderers' representatives present shall sign a register evidencing their attendance.

2.20.3 KRA will prepare minutes of the tender opening.

2.21 Clarification of Tenders

2.21.1 To assist in the examination, evaluation and comparison of tenders KRA may, at its discretion, ask the tenderer for a clarification of its tender. The request for clarification and the response shall be in writing, and no change in the prices or substance of the tender shall be sought, offered, or permitted.

2.21.2 Any effort by the tenderer to influence KRA in KRA's tender evaluation, tender comparison or contract award decisions may result in the rejection of the tenderers' tender.

2.22 Preliminary Examination

2.22.1 KRA will examine the tenders to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the tenders are generally in order.

2.22.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the candidate does not accept the correction of the errors, its tender will be rejected, and its tender security forfeited. If there is a discrepancy between words and figures the amount in words will prevail

2.22.3 KRA may waive any minor informality or non-conformity or irregularity in a tender which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any tenderer.

2.22.4 Prior to the detailed evaluation, pursuant to paragraph 2.23 KRA will determine the substantial responsiveness of each tender to the tender documents. For purposes of these paragraphs, a substantially responsive tender is one, which conforms to all the terms and conditions of the tender documents without material deviations. KRA's determination of a tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence.

2.22.5 If a tender is not substantially responsive, it will be rejected by KRA and may not subsequently be made responsive by the tenderer by correction of the non-conformity.

2.23 Conversion to Single Currency

- 2.23.1 Where other currencies are used, KRA will convert these currencies to Kenya Shillings using the selling exchange rate on the date of tender closing provided by the Central Bank of Kenya.

2.24 Evaluation and Comparison of Tenders

- 2.24.1 KRA will evaluate and compare the tenders which have been determined to be substantially responsive, pursuant to paragraph 2.22
- 2.24.2 The tender evaluation committee shall evaluate the tender within 30 days of the validity period from the date of opening the tender.
- 2.24.3 A tenderer who gives false information in the tender document about its qualification or who refuses to enter into a contract after notification of contract award shall be considered for debarment from participating in future public procurement.

2.25 Preference

- 2.25.1 No margin of preference for this tender.

2.26 Contacting the Kenya Revenue Authority

- 2.26.1 Subject to paragraph 2.21 no tenderer shall contact KRA on any matter related to its tender, from the time of the tender opening to the time the contract is awarded.
- 2.26.2 Any effort by a tenderer to influence KRA in its decisions on tender, evaluation, tender comparison, or contract award may result in the rejection of the Tenderer's tender.

2.27 Award of Contract

(a) Post-qualification

- 2.27.1 In the absence of pre-qualification, KRA will determine to its satisfaction whether the tenderer that is selected as having submitted the lowest evaluated responsive tender is qualified to perform the contract satisfactorily.
- 2.27.2 The determination will take into account the tenderer financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the tenderers qualifications submitted by the tenderer, pursuant to paragraph 2.12.3 as well as such other information as KRA deems necessary and appropriate.
- 2.27.3 An affirmative determination will be a prerequisite for award of the contract to the tenderer. A negative determination will result in rejection of the Tenderer's tender, in which event KRA will proceed to the next lowest evaluated tender to make a similar determination of that Tenderer's capabilities to perform satisfactorily.

(b) Award Criteria

- 2.27.4 KRA will award the contract to the successful tenderer(s) whose tender has been determined to be substantially responsive and has been determined to be the lowest evaluated tender(s), provided further that the tenderer is determined to be qualified to perform the contract satisfactorily.

(c) KRA's Right to Vary Quantities

- 2.27.5 KRA reserves the right at the time of contract award to increase

or decrease the quantity of goods originally specified in the Schedule of requirements without any change in unit price or other terms and conditions

(d) KRA's Right to Accept or Reject Any or All Tenders

- 2.27.6 KRA reserves the right to accept or reject any tender, and to annul the tendering process and reject all tenders at any time prior to contract award, without thereby incurring any liability to the affected tenderer or tenderers or any obligation to inform the affected tenderer or tenderers of the grounds for KRA's action.

2.28 Notification of Award

- 2.28.1 Prior to the expiration of the period of tender validity, KRA will notify the successful tenderer in writing that its tender has been accepted.
- 2.28.2 The notification of intention to award will NOT constitute the formation of the Contract but will have to wait until the contract is finally signed by both parties.
- 2.28.3 Upon the successful Tenderer's furnishing of the performance security pursuant to paragraph 2.28, KRA will promptly notify each unsuccessful Tenderer and will discharge its tender security, pursuant to paragraph 2.14.

2.29 Signing of Contract

- 2.29.1 At the same time as KRA notifies the successful tenderer that its tender has been accepted, KRA will send the tenderer the Contract Form provided in the tender documents, incorporating all agreements between the parties.
- 2.29.2 The parties to the contract shall have it signed within 30 days from the date of notification of contract award unless there is an administrative review request.
- 2.29.3 Within thirty (30) days of receipt of the Contract Form, the successful tenderer shall sign and date the contract and return it to KRA.

2.30 Performance Security

- 2.30.1 Within Thirty (30) days of the receipt of notification of award from KRA, the successful tenderer shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the tender documents, or in another form acceptable to KRA.
- 2.30.2 Failure of the successful tenderer to comply with the requirements of paragraph 2.27 or paragraph 2.28 shall constitute sufficient grounds for the annulment of the award and forfeiture of the tender security, in which event KRA may make the award to the next lowest evaluated Candidate or call for new tenders.

2.31 Corrupt or Fraudulent Practices

- 2.31.1 KRA requires that tenderers observe the highest standard of ethics during the procurement process and execution of contracts when used in the present regulations, the following

terms are defined as follows;

- (i) “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
- (ii) “fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Kenya Revenue Authority, and includes collusive practice among tenderer (prior to or after tender submission) designed to establish tender prices at artificial non-competitive levels and to deprive the Kenya Revenue Authority of the benefits of free and open competition;

2.31.2 The Kenya Revenue Authority will reject a proposal for award if it determines that the tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

2.31.3 Further a tenderer who is found to have indulged in corrupt or fraudulent practices risks being debarred from participating in public procurement in Kenya.

Appendix to Instructions to Tenderers

The following information regarding the particulars of the tender shall complement supplement or amend the provisions of the instructions to tenderers. Wherever there is a conflict between the provision of the instructions to tenderers and the provisions of the appendix, the provisions of the appendix herein shall prevail over those of the instructions to tenderers.

INSTRUCTIONS TO TENDERERS REFERENCE	PARTICULARS OF APPENDIX TO INSTRUCTIONS TO TENDERS
2.1.1	The tender is open to qualified firms who can provide the described services under invitation to tender.
2.1.2	The Declaration of No Conflict of Interest is incorporated in the Confidential Business Questionnaire.
2.3.2	The bid document shall be downloaded free of charge from the KRA website.
2.10.4	Bid Validity Period is 335 days from Tender closing date
2.13.3	The technical specifications are included in this document
2.14.1	Tenders must be accompanied with a Tender Security of Kshs 500,000,00 valid for 365 days –Valid until 30th May, 2020 in the form of Cash Deposit, Bank Guarantee, Insurance company Guarantee or a Letter of credit.
2.16.2	The bidder must provide an appropriate written power of attorney establishing the authorization to of the signatory to the tender documents to bind the bidder.
2.17	Submission of the tender is via the KRA supplier portal. The bidder shall submit Combined technical and financial proposals electronically via the supplier portal in the Notes and attachment Section of the RFX (Tender).
2.18.1	Time, date, and place 31ST May, 2019 at 11.00am. Place: Ground Floor for bid opening is Floor of Times Tower Building. Street: Haile Selasie Avenue City: Nairobi Country: Kenya.
2.20	Opening of tender documents will be done in public at the time of closing the tender.
2.22	Bidders are expected to examine all instructions, forms, terms, specifications, and other information in the Bidding Documents. Failure to furnish all information required by the

Bidding Documents or to submit a bid not substantially responsive to the Bidding Documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.

2.24 The bid evaluation will consider technical factors **ONLY. Bidders must conform to the specific Technical Requirements in Section IV.**

2.25 Preference
KRA will not grant any preferences

2.27.4 The evaluation considers the technical factors and in addition ability to deliver the items on short notice.

2.30 The performance security will be required.

2.31 Anti-corruption Affidavit

KRA will require a supplier of goods and/or services to swear an affidavit to the effect they will not have offered or been requested to pay an inducement to a member of the Board, Management and/or Staff of KRA to influence the outcome of the bid.

PRE-BID/SITE VISIT

There shall be a pre-bid on **17th May, 2019 at 10.00 am at Times Tower.** Bidders are encouraged to attend as they shall be taken through the SAP System

Site visit is Mandatory so as bidders to give their quotes from an informed point of view.

SECTION III: GENERAL CONDITIONS OF CONTRACT
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SECTION III - GENERAL CONDITIONS OF CONTRACT

3.1 Definitions

- 3.1.1 In this Contract, the following terms shall be interpreted as indicated:-
- (a) “The Contract” means the agreement entered into between the Procuring entity and the tendered, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
 - (b) “The Contract Price” means the price payable to the tendered under the Contract for the full and proper performance of its contractual obligations
 - (c) “The Goods” means all of the equipment, machinery, and/or other materials, which the tendered is required to supply to the Procuring entity under the Contract.
 - (d) “The Procuring entity” means Kenya Revenue Authority (KRA), the organization purchasing the Goods under this Contract.
 - (e) “The Tendered’ means the individual or firm supplying the Goods under this Contract.

3.2 Application

- 3.2.1 These General Conditions shall apply in all Contracts made by KRA for the procurement installation and commissioning of equipment

3.3 Country of Origin

- 3.3.1 For purposes of this clause, “Origin” means the place where the Goods were mined, grown or produced.
- 3.3.2 The origin of Goods and Services is distinct from the nationality of the tendered.

3.4 Standards

- 3.4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications.

3.5 Use of Contract Documents and Information

- 3.5.1 The tendered shall not, without KRA’s prior written consent, disclose the Contract, or any provision therefore, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of KRA in connection therewith, to any person other than a person employed by the tendered in the performance of the Contract.
- 3.5.2 The tendered shall not, without KRA’s prior written consent, make use of any document or information enumerated in paragraph 3.5.1 above.
- 3.5.3 Any document, other than the Contract itself, enumerated in paragraph 3.5.1 shall remain the property of the Procuring entity and shall be returned (all copies) to KRA on completion of the Renderer’s performance under the

Contract if so required by KRA.

3.6 Patent Rights

The tendered shall indemnify the Procuring entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in Kenya.

3.7 Performance Security

- 3.7.1 Within thirty (30) days of receipt of the notification of Contract award, the successful tendered shall furnish to the Procuring entity the performance security in the amount specified in Special Conditions of Contract.
- 3.7.2 The proceeds of the performance security shall be payable to KRA as compensation for any loss resulting from the Renderer's failure to complete its obligations under the Contract.
- 3.7.3 The performance security shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to KRA and shall be in the form of a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in Kenya or abroad, acceptable to KRA, in the form provided in the tender documents.
- 3.7.4 The performance security will be discharged by KRA and returned to the Candidate not later than thirty (30) days following the date of completion of the Renderer's performance obligations under the Contract, including any warranty obligations, under the Contract.

3.8 Inspection and Tests

- 3.8.1 KRA or its representative shall have the right to inspect and/or to test the goods to confirm their conformity to the Contract specifications. KRA shall notify the tendered in writing in a timely manner, of the identity of any representatives retained for these purposes.
- 3.8.2 The inspections and tests may be conducted in the premises of the tendered or its subcontractor(s), at point of delivery, and/or at the Goods' destination. If conducted on the premises of the tendered or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to KRA.
- 3.8.3 Should any inspected or tested goods fail to conform to the Specifications, the Procuring entity may reject the equipment, and the tendered shall either replace the rejected equipment or make alternations necessary to make specification requirements free of costs to KRA.
- 3.8.4 KRA's right to inspect, test and where necessary, reject the goods after the Goods' arrival shall in no way be limited or waived by reason of the equipment having previously been inspected, tested and passed by the Procuring entity or its representative prior to the equipment delivery.
- 3.8.5 Nothing in paragraph 3.8 shall in any way release the

tendered from any warranty or other obligations under this Contract.

3.9 Packing

3.9.1 The tendered shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their destination, as indicated in the Contract.

3.9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract.

3.10 Delivery and Documents

3.10.1 Delivery of the Goods shall be made by the tendered in accordance with the terms specified by Procuring entity in its Schedule of Requirements and the Special Conditions of Contract.

3.11 Insurance

3.11.1 The Goods supplied under the Contract shall be fully insured against loss or damage incidental to manufacturer or acquisition, transportation, storage, and delivery in the manner specified in the Special conditions of contract.

3.12 Payment

3.12.1 The method and conditions of payment to be made to the tendered under this Contract shall be specified in Special Conditions of Contract.

3.12.2 Payments shall be made promptly by KRA as specified in the contract.

3.12.3 Indemnity

The Procuring Entity agrees to indemnify and hold harmless Contractor and its affiliates and each of their respective directors, officers, agents, employees and sub-contractors (each an “indemnitee”), and defend them from and against any and all claims (whether during or after the term) that may arise or result from the performance of obligations under the contract by or on behalf of Contractor, except to the extent any such claims result from a breach of this contract directly attributable to the gross negligence or wilful misconduct of such indemnitee

3.13 Prices

3.13.1 Prices charged by the tendered for goods delivered and services performed under the Contract shall not, with the exception of any price adjustments authorized in Special Conditions of Contract, vary from the prices by the tendered in its tender.

3.13.2 Contract price variations shall not be allowed for contracts not exceeding one year (12 months).

3.13.3 Where contract price variation is allowed, the variation shall not exceed 15% of the original contract price.

3.13.4 Price variation request shall be processed by the

procuring entity within 30 days of receiving the request.

3.14 Assignment

3.14.1 The tendered shall not assign, in whole or in part, its obligations to perform under this Contract, except with KRA's prior written consent.

3.15 Subcontracts

3.15.1 The tendered shall notify the Procuring entity in writing of all subcontracts awarded under this Contract if not already specified in the tender. Such notification, in the original tender or later, shall not relieve the tendered from any liability or obligation under the Contract.

3.16 Termination for Default

3.16.1 KRA may, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the tendered, terminate this Contract in whole or in part:

- (a) if the tendered fails to deliver any or all of the goods within the periods) specified in the Contract, or within any extension thereof granted by KRA;
- (b) if the tendered fails to perform any other obligation(s) under the Contract;
- (c) If the tendered, in the judgment of KRA has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

3.16.2 In the event KRA terminates the Contract in whole or in part, it may procure, upon such terms and in such manner as it deems appropriate, equipment similar to those undelivered, and the tenderer shall be liable to the Procuring entity for any excess costs for such similar goods.

3.17 Liquidated Damages

3.17 If the tenderer fails to deliver any or all of the goods within the period(s) specified in the contract, the procuring entity shall, without prejudice to its other remedies under the contract, deduct from the contract prices liquidated damages sum equivalent to 0.5% of the delivered price of the delayed items up to a maximum deduction of 10% of the delayed goods. After this the tenderer may consider termination of the contract.

3.18 Resolution of Disputes

3.18.1 KRA and the tenderer shall make every effort to resolve amicably by direct informal negotiation and disagreement or dispute arising between them under or in connection with the contract

3.18.2 If, after thirty (30) days from the commencement of such informal negotiations both parties have been unable to resolve amicably a contract dispute, either party may require adjudication in an agreed national or international forum, and/or international arbitration.

3.19 Language and Law

3.19.1 The language of the contract and the law governing the contract shall be English language and the Laws of Kenya respectively unless otherwise stated.

3.20 Force Majeure

3.20.1 The tenderer shall not be liable for forfeiture of its performance security or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

SECTION IV - SPECIAL CONDITIONS OF CONTRACT

- 4.1. Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, between the GCC and the SCC, the provisions of the SCC herein shall prevail over these in the GCC.
- 4.2. Special conditions of contract as relates to the GCC.

REFERENCE OF GCC	SPECIAL CONDITIONS OF CONTRACT
4.7.1	Performance guarantee required will be 10% of the contract Value.
4.10	<p>Delivery</p> <p>All items to be supplied under this contract should be delivered to the Stores located on Ground Floor, Times Tower upon issuance of a valid Purchase/ Services Order</p>
4.12	<p>Payment Terms</p> <p>The Kenya Revenue Authority (KRA) payment terms are that payment shall be made within thirty (30) days from the date of delivery and signing of receipt. However, KRA may negotiate mutually acceptable payment terms with the successful tenderer.</p>
4.13	<p>Prices</p> <p>Prices charged by the tenderer for goods delivered and services performed under the Contract shall not, with the exception of any price adjustments authorized in Special Conditions of Contract, vary from the prices by the tenderer in its tender.</p>
4.17	<p>Liquidated Damages</p> <p>If the delivery date is extended (except by mutual consent) a penalty amounting to 0.5% of the total cost will be charged per day up to a maximum of thirty (30) days. No deliveries shall be accepted after the thirtieth working day in which case the LPO will automatically lapse and be deemed to have been cancelled. The Authority shall then be at liberty to realize the performance bond. In this clause, “days” means working days.</p>
4.18.1	<p>Resolutions of Disputes</p> <p>Any dispute, controversy or claim between the Parties arising out of this Contract or the breach, termination or invalidity thereof, unless settled amicably under the preceding paragraph of this Article within sixty (60) days after receipt by one Party of the other Party's request for such amicable settlement, shall be referred by either Party to arbitration in accordance with the UNCITRAL Arbitration Rules then obtaining. <i>The place of arbitration shall be Nairobi.</i> The arbitral tribunal shall have no authority to</p>

award punitive damages. In addition, unless otherwise expressly provided in this Contract, the arbitral tribunal shall have no authority to award interest. The parties shall be bound by any arbitration award rendered as a result of such arbitration as the final adjudication of any such controversy, claim or dispute.

4.19

The language of all correspondence and documents related to the bid is: **English**. Unless explicitly specified in the Technical Requirements section, the key passages of all accompanying printed literature in any other language must be translated into the above language.

SECTION V: TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS FOR ANNUAL MAINTENANCE CONTRACT FOR INTEGRATED SECURITY SYSTEM - THREE (3) YEARS FRAMEWORK AGREEMENT.

SCOPE OF THE ASSIGNMENT

The proposed scope of this assignment will cover the following equipment at Times Tower, JKIA Forodha House and Terminal 1A&E;

1. Integrated Security System Network infrastructure backbone,
2. Software Platform (ViMS Command and Apollo APACS) and all that encompasses the Integrated Security system at KRA.
 - The scope line of work includes the following;
 - ✓ The planned preventive maintenance and fault repair including all parts and components of the CCTV Surveillance System;
1. Video Management system and Client Management system,
2. Network Video Recorders (NVR),
3. Client Workstations,
4. Control Room equipment including CCTV Surveillance display system,
5. Cameras, lenses, housings, pan/tilt heads, interconnecting cabling and wiring,
6. Camera mounting posts, brackets, conduits and protective covers,
7. Electrical power connection to CCTV system equipment,
8. Entire CCTV security network backbone (fiber), LAN infrastructure including cabling, cabinets and switches.
 - ✓ The planned preventive maintenance and fault repair including all parts and components of the Access Control System;
1. ACS Server,
2. Workstations,
3. Switches,
4. Visitors workstation,
5. ACS application and database,
6. Master Controllers,
7. Door Controllers,
8. Biometrics Readers,
9. Proximity Card Readers,
10. Various door support and accessories including;
 - Door maglocks,
 - Door closures,
 - Door contacts,
 - Buzzer,
 - Exit Buttons,
 - Door Hinges,
 - Controller Backup Battery
11. Badging station,
12. Entire CCTV security network backbone (fiber), LAN infrastructure including cabling, cabinets and switches.

The Contractor shall undertake a preventive annual maintenance services including essential services (repairs/fixing) of all the security equipment, electrical, electronic, mechanical components and networks.

The contract shall be executed as follows:

No.	Description	Bidder's Response
a)	Carry out daily/scheduled preventive maintenance and repair of all parts and components of CCTV Surveillance and Access Control System.	
b)	When equipment fails, the Contractor shall first attempt to repair or fix it at site, if not repairable, the Contractor shall replace the same with a similar one on temporary basis to ensure that the system remains in operation, pending repair.	
c)	The Contractor shall ensure that the works carried out is to the highest standard and quality and in full compliance with the requirements of the original equipment manufacturers recommendation.	
d)	The Contractor will use his tools (Including but not limited to: Crimping Tool, Cable Tracer, Assorted Spanner, Meter, Crimping Tools, Pliers, Cutter, Allen Keys, Assorted Screw Drivers, Torch, Assorted Brushes, Cable Ties) in fulfilling the maintenance services. The tools will be inspected at the commencement of the contract.	
e)	The Contractor will carry out preventative maintenance of the Integrated Security System on quarterly basis (provide a schedule at the time of reporting at the site)	
f)	The contractor will audit the system in consultation with the manufacturer and restore the system to its optimal operation status within the first month of commencement of the contract.	
g)	The Contractor shall after carrying out their duties, leave the equipment and place in a clean and sound condition	
h)	Where the Contractor tampers with walls, floors, etc., the Contractor shall be responsible for touch up painting repairs to exterior surfaces of the externally mounted equipment as required. This includes camera posts and brackets.	

i)	That throughout the contract period, the Contractor shall establish and maintain an operational fault reporting platform to which all faults on the system shall be reported by KRA,	
j)	The Contractor shall provide a monthly report on all services and repairs undertaken to the Security Systems Manager	
k)	That Contractor shall ensure that the full configuration of the ISS i.e. CCTV and Access Control system is available to KRA in proper working condition viz. uptime of 95% of the time on a 24x7x365 basis during the contract period,	
l)	The Contractor shall use professionally qualified personnel (certified) who have expertise in the CCTV and access control system (Apollo Security Access Control system),	
m)	The Contractor shall ensure continuous capacity building to the KRA engineers by coordinating and initiating relevant manufacturer's certification trainings at the site once a year (The successful bidder to provide a plan on commencement of the contract),	
n)	The Contractor shall have two (2) certified resident engineers onsite for support and maintenance 24/7 during the contract period reporting to the Security Systems Manager.	
o)	The Contractor shall have back-to-back arrangement with the manufacturer to be on standby should there be any issue that requires escalation.	
p)	The contractor will supply and install licensed (one off) Apacs 3.9 and configure the server for failover at Times Tower. The server will be provided by the Authority	
q)	The contractor (resident engineer) jointly with the client will be producing daily availability reports and sign together for ownership which will be used to compute the monthly availability reports.	
r)	The contractor shall provide branded uniform, reflective jackets, dust coat/overall, safety boots, helmets, gloves, face	

	mask and head torch for use by site technician for both safety and identification purposes,																									
s)	The contractor will provide Account Manager for running the contract and attending Security stakeholder meetings as scheduled by the Security Systems Manager.																									
t)	<p>The response time matrix applicable for this Contract is as follows:</p> <table border="1"> <thead> <tr> <th>Priority</th> <th>Definition</th> <th>Response time</th> <th>Resolution Time</th> </tr> </thead> <tbody> <tr> <td>Priority 1 ~ Critical Impact</td> <td>Service Down (Server and master controllers are down)</td> <td>Response Immediate</td> <td>2 hours.</td> </tr> <tr> <td>Priority 2 ~ High Impact Localized Disruption</td> <td>Group Inoperative (Group work stops) e.g. access to multiple doors</td> <td>Response Immediate</td> <td>2 hours.</td> </tr> <tr> <td>Priority 3 ~ Moderate Impact</td> <td>Individual work is stopped(one door)</td> <td>within 30 minutes</td> <td>3 hours.</td> </tr> <tr> <td>Priority 4 ~ Minimal Impact</td> <td>(Work can continue) e.g. Software functionality problems</td> <td>within 30 minutes</td> <td>3 hours.</td> </tr> <tr> <td>Priority 5~ Scheduled Process</td> <td>Individual Configuration (work can continue) e.g. Software upgrades, scheduled computer replacements/relocations/new installations*. Equipment Repair</td> <td>within 1 day</td> <td>48 hours.</td> </tr> </tbody> </table> <p>Terms of Payment will be determined by the system uptime which is expected to be 97 %; this will be tracked on a daily basis. Penalty for delay in services will be as follows;</p> <ul style="list-style-type: none"> The contractor will be paid according to the availability percentage computed from the monthly availability report, 	Priority	Definition	Response time	Resolution Time	Priority 1 ~ Critical Impact	Service Down (Server and master controllers are down)	Response Immediate	2 hours.	Priority 2 ~ High Impact Localized Disruption	Group Inoperative (Group work stops) e.g. access to multiple doors	Response Immediate	2 hours.	Priority 3 ~ Moderate Impact	Individual work is stopped(one door)	within 30 minutes	3 hours.	Priority 4 ~ Minimal Impact	(Work can continue) e.g. Software functionality problems	within 30 minutes	3 hours.	Priority 5~ Scheduled Process	Individual Configuration (work can continue) e.g. Software upgrades, scheduled computer replacements/relocations/new installations*. Equipment Repair	within 1 day	48 hours.	
Priority	Definition	Response time	Resolution Time																							
Priority 1 ~ Critical Impact	Service Down (Server and master controllers are down)	Response Immediate	2 hours.																							
Priority 2 ~ High Impact Localized Disruption	Group Inoperative (Group work stops) e.g. access to multiple doors	Response Immediate	2 hours.																							
Priority 3 ~ Moderate Impact	Individual work is stopped(one door)	within 30 minutes	3 hours.																							
Priority 4 ~ Minimal Impact	(Work can continue) e.g. Software functionality problems	within 30 minutes	3 hours.																							
Priority 5~ Scheduled Process	Individual Configuration (work can continue) e.g. Software upgrades, scheduled computer replacements/relocations/new installations*. Equipment Repair	within 1 day	48 hours.																							

SCHEDULE OF EQUIPMENT

NB: The bidder is expected to maintain the equipment in the table below;

S/No	Equipment	Quantity
1.	Access Control Server	1
2.	Master Controllers	6
3.	Doors	170
4.	Network Video Recorder (NVR)	7
5.	Cameras IP Dome Indoor Bullet IP Bullet IP Outdoor PTZ	279 39 11 10
6.	LCD Monitors	15
7.	Switches	12
8.	Rack UPS	9
9.	Cabinet	9
10.	Badging Station	1
11.	Work stations	11

Tenderer's Signature _____ *Official*
Stamp _____

Date _____

EVALUATION CRITERIA

A. Tender Responsiveness Criteria

The submission of the following items will be required in the determination of the Completeness of the Bid. Bids that do not contain all the information required will be declared non responsive and shall not be evaluated further.

S/NO	ITEM DESCRIPTION	Mandatory
1.	Copy of valid Tax Compliance Certificate	Yes
2.	Certificate of Registration or Incorporation	Yes
3.	Power of Attorney (Sole Proprietors Exempted)	Yes
4.	Tender Security Kshs.500,000.00 valid for 365 days-valid until 30th May, 2020 from the date of tender closure.	Yes
5.	Letter from the bank or a CBK approved financial institution indicating that the firm is currently operating an account.	Yes
6.	Duly filled, signed and stamped Confidential Business Questionnaire	Yes
8.	Duly Filled, Signed and Stamped Form of Tender.	Yes
9.	Manufacturer's Authorizations/Accreditation for all key components (Apollo).	Yes

B. Vendor Evaluation Criteria

Description of Criteria	Comment
<p>Managerial and Key Personnel Competency Profiles C.Vs of at least 2 technical staff who are certified and have expertise (with at least 3 years' experience) in the CCTV system and Apollo Security Access Control system (attach certificates of certification for the proposed resident engineers.</p>	
<p><i>C.V and copies of certificates of one (1) experienced Account Manager (with at least 3 years' experience in a similar role) who holds a degree/diploma in business or any other related field.</i></p>	
<p>Experience/Reputation Proof of satisfactory service for contracts of similar or higher value executed within the last five (5) years. Submit copies of purchase orders/contracts/reference letters from at least two (2) clients; <i>The reference letters should have full contacts, postal address, telephone, email and the name of contact person of assignments executed within the last five years.</i></p>	
Remarks/Outcome	Pass/Fail

The following criteria will be used in the evaluation of the bidder.

C. Overall Tender Evaluation Criteria

The overall tender evaluation criteria is as follows; -

Criteria	Maximum Score	Cut Off Scores
Tender Responsiveness	Mandatory	Pass
Vendor Evaluation	-	Pass
Technical Specifications	-	Pass
Financial Evaluation	Award will be to the lowest evaluated responsive bidder	

SECTION V - TECHNICAL SPECIFICATIONS

CLAUSE BY CLAUSE TECHNICAL FOR ANNUAL MAINTENANCE CONTRACT FOR INTEGRATED SECURITY SYSTEM THREE (3) YEARS FRAMEWORK AGREEMENT.

Instructions to Bidders:

1. Bidders are required to fill the table below or use its format to respond.
2. Bidders **MUST** provide a substantive response for all features irrespective of any attached technical documents. Use of **Yes, No, tick, compliant** etc will be considered non responsive.
3. Any attached brochures and write-ups should be cross referenced to the technical specifications.
4. Bidders **MUST** append official company stamp and/or authorized signature on all attached technical data sheets.

SECTION V - TECHNICAL SPECIFICATIONS

ANNUAL MAINTAINANCE CONTRACT FOR INTEGRATED SECURITY SYSTEM.

The Contractor shall undertake a comprehensive annual maintenance service of the KRA Integrated Security System (ISS). The ISS includes; CCTV and Access Control System (APACS). The contract will include the following; scheduled preventive maintenance, replacement/repairs of ISS equipment/components. The scope of the contract includes the following;

No.	Description	Bidder's Response
a.	When equipment fails the Contractor shall first attempt to repair or fix it at site, if not repairable, the Contractor shall immediately replace the same with a similar one on temporary basis to ensure that the system remains in operation, pending procurement process,	
b.	The Contractor shall ensure that the works carried out is to the highest standard and quality and in full compliance with the requirements of the original equipment manufacturers recommendation, all replacements shall be new and of a manufacturer's revision level not less than that of the part to be replaced,	

c.	The Contractor shall use their own tools(Crimping Tool, Cable Tracer, Assorted Spanner, Avometer, Crimping Tools, Pliers, Cutter, Allen Keys, Assorted Screw Drivers, Assorted Brushes, Cable Ties and Drill) which shall be inspected at commencement of the contract and periodically in the course of the contract,	
d.	The Contractor shall provide details of the proposed program of preventative maintenance for the ISS, which shall be on quarterly basis(the successful bidder shall provide a schedule at the time of reporting at the site) together with any necessary corrective action, on all system equipment, confirming or returning equipment to full and proper operation; a full equipment status report in writing shall be given to the KRA,	
e.	The Contractor shall after carrying out their duties, leave the equipment and place in a clean and sound condition,	
f.	That throughout the contract period, the Contractor shall establish and maintain an operational fault reporting platform to which all faults on the system shall be reported by KRA.	
g.	The Contractor shall provide a monthly report on all services and repairs undertaken to the Security Systems Manager,	

h.	That Contractor shall ensure that the full configuration of the ISS i.e. CCTV and Access Control system is available to KRA in proper working condition viz. uptime of 95% of the time on a 24x7x365 basis during the contract period,	
i.	The Contractor shall use professionally qualified personnel (certified)who have expertise in the CCTV and access control system (Apollo Security Access Control system),	
j.	The Contractor shall ensure continuous capacity building to the KRA engineers by coordinating and initiating relevant manufacturer's certification trainings at the site once a year (The successful bidder to provide a plan on commencement of the contract),	
k	The Contractor shall have certified resident engineer(s) onsite for support and maintenance during working hours and on call thereafter during the contract period reporting to the Security Systems Manager	
l	The Contractor shall have back-to-back arrangement with the manufacturer to be on standby should there be any issue that requires escalation, escalated issues to be resolved within 8hrs after reporting,	
m	The Contractor shall perform periodic software upgrades whenever they are available from the manufacturer,(APACS 3.9, and VIMS	

	Command to the latest version)	
n	The contractor (site technician) jointly with the client will be producing daily availability reports and sign together for ownership which will be used to compute the monthly system availability for payment,	
o	The contractor shall provide branded uniform, reflective jackets, dust coat/overall, safety boots, helmets, gloves, face mask and head torch for use by site technician for both safety and identification purposes	
p	The contractor shall attend weekly Security meetings held by the Security Manager and various stakeholders,	

Scope of the assignment

The proposed scope for Lot 1 will cover the following equipment at Times Tower, JKIA Forodha House, Terminal 1A and Terminal 1E;

3. Integrated Security System Network infrastructure backbone,
4. Software Systems and all that encompasses the Integrated Security system at KRA.

The planned preventive maintenance and repair including all parts and components of the following;

- a) CCTV Surveillance System,
- b) Access Control System.

a) CCTV Surveillance System

1. Video Management and Client Management system,
2. Network Video Recorders (NVR),
3. Client Workstations,
4. Control Room equipment including CCTV Surveillance display equipment,
5. Cameras, lenses, housings, pan/tilt heads, interconnecting cabling and wiring,
6. Camera mounting posts, brackets, conduits and protective covers,
7. Electrical power connection to all CCTV equipment,
8. Entire CCTV security network backbone LAN network infrastructure including the CAT 6 Cabling, fiber, cabinets, network switches and wireless equipment.

(b) Access Control System

1. ACS Servers,
2. Workstations,
3. Switches
4. Software and database systems,
5. Master Controllers,
6. Door controllers,
7. Biometrics readers,

8. Proximity Card Readers,
9. Various door support and accessories including;
 - Door maglocks,
 - Door closures,
 - Door contacts,
 - Buzzers,
 - Exit Buttons.
10. Badging station
11. Entire ACS Security Network Backbone LAN Network infrastructure including the Cat6 Cabling, fiber, cabinets, Network switches and Wireless equipment,

Equipment List

S/No	Equipment	Quantity	Remarks
1.	Access Control Server;	1	HP PROLIANT DL 380 G5
2.	Master Controllers	6	AAN100 APOLLO
3.	Doors	138	AAN1 Apollo controllers
4.	Network Video Recorder (NVR)	7	DELL Z87X-UD5H
5.	Cameras; IP Dome Indoor Bullet IP Outdoor PTZ	326 19 12	GANZ GANZ GANZ

6.	LCD Monitors	14	SONY
		2	DAHUA
7.	Switches	18	Cisco
8.	Rack UPS	12	APC
9.	Evolis printer	1	EVOLIS
10.	Work stations	16	DELL
11.	Local area network	Lot	

TECHNICAL SPECIFICATIONS FOR THE SPARE PART LIST

S/No	Description	Minimum requirements	Bidders Response
1	Access Control Server	Model and Technology:	
		Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Remote Users: Unlimited concurrent users	
		OS: Windows Server (64 bit) Server 2012 (64 bit)	
		Mobile client: Support for Android and iOS devices	
		Password profile: Multiple protection levels	
		Encryption: Up to 4096 bit encryption	
		Remote Administration: Remote control via TCP/IP network including restart and rebooting	
		Events and Alarms	
		Advanced events: Shows a real time stream of incoming events and alarms on the main window	
		Event notification: Via client viewer, email or TCP/IP message	

CPU: Intel® processor E5-2600 v4 product family	
CPU Speed: E5-2620 v4 (10 core, 2.1GHz, 85W)	
Processor cache 20MB L3	
Form factor :-2U rack	
Memory: 32 GB Memory type:- RDIMM memory	
Hard disk type: SATA, SAS (7200 RPM)	
Hard disk space: 4TB	
Raid Level: 0,1,5,6 -Optional	
1 Smart Array P440ar/2GB FBWC, iLO (Standard)	
Network: 331i 4 ports -upgradable	
Network Port Speed -1000 Mbps	
Time Sync(NTP): Automatically synchronized to other compatible recorders	
Privacy Mask: Configurable mask to avoid viewing sensitive areas within a camera view.	
Time Zone: Regional setting available	
Languages: Multiple languages support	
Recorder per location: 1-255	
Distributed locations: Unlimited	
Monitoring: Full system monitoring including SMART disk health monitoring	
Software: Microsoft .NET 3.5 Framework and DirectX 9.0 or newer	
Power: Input Voltage 240V ac , 50Hz	
Energy Smart- Two hot plug high efficient 570w PSU OR High Output Two hot-plug 870W PSUs	
Watchdog function: Auto-reboot of system in case of system failure	
Hot-plug hard drives	
Hot-plug redundant power	
Hot-plug redundant cooling	
ECC memory	

		Spare Row	
		Single Device Data Correction (SDDC)	
		iDRAC6	
		Tool-less chassis	
		Cluster support	
		Warranty: 2 years	
		The server MUST be provided with a one off license and software (OS Licensed Enterprise Edition, Enterprise SQL, Licensed Access Control System supporting all the hardware as indicated in the list of spares)	
2	Master controller-AAN-100 (8MB) (complete with housing and PSU)	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years (bidder must specify brand, model and series)	
		A complete 96 Reader Intelligent System Controller ready for interfacing with field devices(door controllers)	
		Supports up to 96 card readers (connection strictly via network "RJ-45")	
		Supports four additional devices for status monitoring or alarm input/output for a total of 100 devices	
		Up to 1,300,000 Cardholders or 65,535 Events with 8 MB of RAM	
		Supports Input to Relay linking across field devices	
		Supports Anti-Passback (Hard & Soft)	
		Supports 256 Access Levels / 128 Time Zones	
		Supports 2-Card Access and Zone occupancy restriction	
		Supports 2 Man Rule (Minimum occupancy)	
		Automatic Alarm masking/unmasking, Reader mode change, Output activation according to time zones and/or inputs	
		Supports elevator Control with floor selection feedback	
		Field Device Connection: ANI-1/100 Network Interface device (TCP/IP via RJ-45 jack)	
		Available addresses limited by only by network addresses available	
		Diagnostic LED's for:-	

		<ul style="list-style-type: none"> • normal operation • Faulty/error • self-test mode 	
		Supports 8 Card formats per reader (depending on reader support)	
		Supports field-replaceable plug-in communication drivers	
		32-Bit CMOS processor	
		Surface-mount manufacturing technology	
3	Door controller- AAN-1N (complete with housing and PSU)	<p>Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)</p>	
		Supports 2 readers, keypads or reader/keypad combinations for 2 door control	
		Full Stand Alone Operation with Local database of 20,000 cards or 7,000 events	
		Multiple Card Formats	
		Supports up to 8 Facility Codes	
		Supports 38 Access Levels Per Card	
		Supports activation/deactivation Time	
		Supports 8 Relay Outputs (4 Door strike, 4 Auxiliary)	
		Control of up to 16 ADA-10/11 High Security Relay Output Modules	
		Connection Type:-TCP/IP via RJ 45 jack, 10/100	
		12 Inputs (4 Door Contact, 4 Exit Pushbutton, 4 Auxiliary)	
		3 Color LED Support	
		Field-Replaceable plug-in communication drivers	
		Surface-mount manufacturing technology	
4	Proximity Card Reader	<p>Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)</p>	
		Dynamic support of multiple credential technologies including iCLASS Seos®, iCLASS SE, standard iCLASS®, UHF, MIFARE®, MIFARE DES Fire®, Proxy etc	

5	Biometric Finger print Generation 2	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series	
		RF Option: 125kHz EM & 13.56Mhz MIFARE, MIFARE Plus, DES Fire/EV1, FeliCa	
		Capacity Max. User (1:1): 500,000 Max. User (1:N): 100,000 Max. Template (1:1): 100,000 Max. Template (1:N): 100,000 Max. Text Log: 1,000,000 Max. Image Log: Not supported	
		Interface TCP/IP: Yes RS-485: 1ch Host or 1ch Slave, (Selectable) RS-232: Wiegand:1chIn or 1ch Out (Selectable) Input: 2 Inputs Relay:1 Relay USB SD Card Slot	
		Hardware CPU: 1.2 GHz Quad Core Memory: 2GB Flash + 256 MB RAM LED Indicator: Multi-Color Sound: Multi-tone Buzzer Operating Temp.: -20°to 50°C Tamper: Yes Power: PoE	
		Warranty: Two(2) years	
6	Single Door Maglock	Model and Technology: Mature internationally recognized brand, in existence for at least 10	

		years(bidder must specify brand, model and series)	
		Voltage Input : 12 VDC / 24 VDC	
		Current Draw: 12V / 500mA ; 24V / 250mA (±5%)	
		Holding Force : Up to 1200 lbs (545 kg)	
		Hall Effect Contact : SPDT rated 2A at 24 VDC	
		Anti-Rust Surface Treatment : Blue Zinc Plating	
		Operating Temperature : 0~55° C (32~131° F)	
		Operating Humidity : 0~95% (non condensing)	
		Weight (Magnet): 2.5 kg (±1%)	
		Dimensions : <ul style="list-style-type: none"> • Magnet – (L)266x(W)67x(T)39 mm • Armature – (L)185x(W)61x(T)16.5 mm 	
7	Double Door Maglock	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Voltage Input : 12 VDC / 24 VDC (per Magnet)	
		Current Draw: 12V / 420mA; 24V / 210mA (±5%)	
		Holding Force : Up to 1200 lbs x2 (545 kg x2)	
		Anti-Rust Surface Treatment : Blue Zinc Plating	
		Operating Temperature : 0~55° C (32~131° F)	
		Operating Humidity : 0~95% (non condensing)	
		Weight (Magnet): 5.0 kg (±1%)	
		Dimensions : <ul style="list-style-type: none"> • Magnet – (L)532x(W)67x(T)39 mm • Armature – (L)185x(W)61x(T)16.5 mm 	
8	Door Buzzers	Model and Technology: Mature internationally recognized brand, in existence for at least 10	

		years(bidder must specify brand, model and series)	
9	Door Contact	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years (bidder must specify brand, model and series) Do NOT use the ones embedded on the maglock.	
10	Client Workstation	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		OS: Windows 7 Professional/Windows 8Professional	
		CPU: Intel®Core™i7	
		Memory: 16GB	
		Bays: Two internal 3.5” bays; two external 5.25” optical bays	
		Optical Drive: 16 X DVD+/-RW	
		Ports: 8x USB, 2 x PS-2, 2xRJ-45	
		Audio: 1 x microphone, 1 x headphone, 1 x internal speaker Audio line-in / microphone, Audio line-out	
		Hard disk type: SATA, SAS (7200 RPM or faster)	
		Storage: Internal 1TB	
		Network Interface: 100/1000 Base-T	
		Certifications: FCC Class A	
		Dimensions: 14.17” x 6.89” x 17.13” / 360mm x 175mm x 435mm	
		Input Voltage: 240 ±10% VAC, 50/60 Hz	
		Current: 1.75 A @ 115VAC, 0.875 A @ 230 VAC	
		Consumption: 365W nominal	
Power Connector: Standard 3-conductor female socket			
Operating Temp: 32°F ~ 104°F (0°C ~ 40°C)			
Application: Indoor			

		The bidder to provide a complete workstation with 19” TFT Monitor	
		Warranty Period : 2 Years	
		The client workstation will be used to register users, activate or deactivate access cards.	
11	Cisco Switch – 24 Giga port POE with 4 uplink Giga port	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Enterprise standalone, High-density, High performance, Gigabit Ethernet switch. Layer 2 switching and layer 3 routing must be supported.	
		The switch MUST provide a seamless integration with the existing KRA network	
		Ports: <ul style="list-style-type: none"> • 24 RJ-45 connectors for 10BASE-T/100BASE-TX/1000BASE-T with 4 shared Gigabit SFP slots • Console ports • Auto medium dependent interface (MDI) and MDI crossover (MDI-X) • Auto negotiate/manual setting RPS port for connecting to redundant power supply unit	
		Buttons: Reset button	
		LEDs: PWR, Fan, Link/Act, Speed, RPS, Master, Stack ID 1 through 8	
		Switching capacity: Up to 48 Gbps, nonblocking	
		Forwarding rate (based on 64-byte packets): Up to 35.7 mbps	
		Number of VLANs: 256 active VLANs (4096 range)	
		VLAN: <ul style="list-style-type: none"> • Port-based and 802.1Q tag-based VLANs • Protocol-based VLAN • Management VLAN • Private VLAN Edge (PVE) • GVRP 	

	Head-of-line (HOL) blocking: HOL blocking prevention	
	Layer 3: <ul style="list-style-type: none"> • Static routing • Classless inter domain routing (CIDR) • 128 static routes • IPv4 • Forwarding in silicon – wire-speed forwarding of Layer 3 traffic 	
	IPv6 ACL: Drop or Rate Limit IPv6 packets in hardware	
	IGMP snooping: IGMP (versions 1 and 2) snooping limits bandwidth-intensive video traffic to only the requestors. Supports 256 multicast groups	
	IPv6 Applications: Web/SSL, Telnet Server/SSH, Ping, Traceroute, SNMP, TFTP, Radius,	
	Syslog, DNS Client	
	IPv6 RFCs Supported: RFC2463 – ICMPv6 RFC3513 – IPv6 Address architecture RFC 4291 – IP Version 6 Addressing Architecture RFC 2460 – Internet Protocol v6 (IPv6) Specification RFC 2461 – Neighbor Discovery for IPv6 RFC 2462 – IPv6 Stateless Address Auto-configuration RFC 1981 – Path MTU Discovery RFC 4007 – IPv6 Scoped Address Architecture RFC3484 – Default address selection mechanism is described by RFC3484 RFC4214 – ISATAP tunneling RFC4293 – MIB IPv6: Textual Conventions and General Group RFC 3595 – Textual Conventions for IPv6 Flow Label	
	Web user interface: Built-in web user interface for easy browser-based configuration (HTTP/HTTPS)	
	Firmware upgrade: <ul style="list-style-type: none"> • Web browser upgrade (HTTP) and Trivial File Transfer Protocol (TFTP) • Dual images for resilient firmware upgrades 	

		<p>Port mirroring: Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe</p> <p>Other management:</p> <ul style="list-style-type: none"> • Traceroute • Single IP management • SSL security for web user interface • RADIUS • Port mirroring • TFTP upgrade • DHCP client • BOOTP • Simple Network Time Protocol (SNTP) • Xmodem upgrade • Cable diagnostic • Ping • Syslog • Telnet client (SSH secure support) 	
		<p>Link aggregation:</p> <ul style="list-style-type: none"> • Link aggregation using IEEE 802.3ad • Link Aggregation Control Protocol (LACP) Up to 8 ports in up to 8 groups 	
		<p>Storm control: Broadcast and multicast storm protection</p>	
		<p>DoS prevention: DoS attack prevention</p>	
		<p>GMP snooping: IGMP (versions 1 and 2) snooping limits bandwidth-intensive video traffic to only the requestors. Supports 256 multicast groups.</p>	
		<p>Standards: 802.3ab 1000BASE-T Gigabit Ethernet, 802.3z Gigabit Ethernet, 802.3x flow control, 802.3ad LACP, 802.1d Spanning Tree Protocol (STP), 802.1Q/p VLAN, 802.1w Rapid STP, 802.1s Multiple STP, 802.1x port access authentication</p>	
		<p>SFP Ports: 4 - SFP transceiver-based Gigabit Ethernet ports each equipped with Gigabit SFP transceiver.</p>	

		Number of fans: 2	
		Power: 100–240V AC, 50–60Hz, internal, universal; also equipped with redundant power supply connector for external power supply 48V DC	
		Power consumption: 12V at 7.5A (90W)	
		Storage temperature: –4° to 158°F (–20° to 70°C)	
		Minimum 3 years on Parts, Labour and software.	
		End of life should be active	
12	Door Closer	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years (bidder must specify brand, model and series)	
		Adjustable strength 2 to 5 (EN 1154) via template	
		EN3 to EN4 without moving the body Supplied with L140 link arm and A154 parallel arm bracket	
		Low opening force	
		Back check as standard or use on single action doors from 850mm to 1250mm	
		BS8300 compliant (min. leaf width 765mm)	
		CE marked	
13	LifeCam HD web camera	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years (bidder must specify brand, model and series)	
		Max Digital Video Resolution:-1280 x 720	
		Digital Zoom:4 x	
		Video Capture:-1280 x 720 @ 30 fps	
		Still Image Capture Resolution:-1280 x 720	
		Features:-TrueColor Technology	
		Focus Adjustment:-automatic	
		OS Required:-Microsoft Windows 7 professional, Microsoft Windows 8 professional	
		Color :-colored	

		Audio Support:-Yes	
		Audio Support Features:-built-in microphone	
		Computer Interface:-USB 2.0	
		Video Input Device Type:-Color	
		Connector Type:-4 pin USB Type A	
		Focus Adjustment:-automatic	
		Type:-Drivers & Utilities	
		Warranty:-2 years	
14	Printer	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		General Specifications: • Dual-sided printing module, edge-to-edge printing • Color-dye sublimation and monochrome thermal transfer • 300 dpi print head (11.8 dots/mm) • 16 MB of RAM	
		Supported Platforms: • Windows™ 7 (64 bit), XP, Vista (64 bit), Windows XP & Mac OS X.	
		Card Feeder Capacity: • 100 cards (0.76 mm --- 30 mil)	
		Printer Output: Max. 210 cards/hour, 850 cards/hour	
		Card Types: • All PVC, Composite PVC cards, PET, ABS & varnished cards.	
		Connections:- • USB • Ethernet TCP-IP 10BaseT, 100BaseT (Traffic Led)	
		Display:- • Printer LEDs Graphic notifications from the printer : Empty feeder, cleaning, ”approaching end-of-ribbon” and “end-of-ribbon” warning	
15	1.5KVA UPS rack mount	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Output Power Capacity:- 865 Watts / 1500 VA	

	Max Configurable Power :-865 Watts / 1500 VA	
	Nominal Output Voltage :-220/230/240VAC programmable 1 phase + N	
	Output Voltage Distortion :-Less than 5% at full load	
	Output Frequency (sync to mains) :-47 – 53 Hz for 50 Hz nominal, 57– 63 Hz for 60 Hz nominal	
	Topology:-Line interactive	
	Waveform Type:-Stepped approximation to a Sine wave	
	Output Connections:-Four (4) IEC 320 C13, Two (2) IEC jumpers	
	Nominal Input Voltage:-100V to 240V	
	Input Frequency:-50/60 Hz +/- 3 Hz (auto sensing)	
	Input Connections:-IEC-320 C14	
	Battery Type:-Maintenance free sealed lead-acid with suspended electrolyte, leak proof	
	Input voltage range for main operations:-1 phase 230VAC+ Neutral +earth	
	Input voltage adjustable range for mains operation:-175 – 297V	
	Typical recharge time:8 hour(s)	
	Typical Backup Time at Half Load:-20.9 minutes (432.5 Watts)	
	Typical Backup Time at Full Load:-7.6 minutes (865 Watts)	
	Interface Ports:-DB-9 RS-232, 10/100 base-T	
	Control panel LED status display with:- <ul style="list-style-type: none"> • On Line • On Battery • Replace Battery and Overload indicators 	
	Audible Alarm :-Alarm when on battery : distinctive low battery alarm : configurable delays	
	Surge energy rating:-445 Joules	
	Filtering :- <ul style="list-style-type: none"> • Full time multi-pole noise filtering 	

		<ul style="list-style-type: none"> • 5% IEEE surge let-through • zero clamping response time • meets UL 1449 	
		Data Line filtering:-RJ-45 modem/Fax/DSL/10-100 Base-T protection	
		Standard Warranty:-2 years repair or replace	
16	6 MP IP IR Dome indoor Camera with Digital Zoom	<p>Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)</p> <p>Image Sensor:- 1/1.8” Progressive Scan CMOS</p> <p>Min. Illumination: Color: 0.1 lux at F2.0 (30 IRE, 2400 K); B/W: 0 lux at F2.0 (IR LED on)</p> <p>Shutter: 1/5-1/2000sec (manual mode); 1/5-1/10000sec (auto mode)</p> <p>Slow shutter support</p> <p>Lens: Varifocal</p> <p>Focusing: Auto</p> <p>Auto Iris: Yes</p> <p>Day & Night: IR cut filter with auto switch</p> <p>Wide Dynamic Range: Basic WDR (120 dB)</p> <p>Compression Standard</p> <p>Video Compression: H.265+/H.264+/H.264/MJPEG</p> <p>H.264 code profile: Baseline Profile / Main Profile / High Profile</p> <p>Video bit rate: 28Kbps - 6Mbps (per stream)</p> <p>Audio Compression:G.711/G.722.1/G.726/MP2L2</p> <p>Audio bit rate:64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)</p> <p>Image</p> <p>Max. Image Resolution: six megapixels (2921 x 2184)</p>	

180 degrees fisheye IP IR camera	Multiple video streaming (3 streams)	
	Image Enhancement: BLC/3D DNR/ROI/Defog	
	Image Settings: Saturation, brightness, contrast adjustable through client software or web browser	
	Supports distortion correction	
	Supports target cropping	
	Day Night/Switch: Auto/Schedule/Triggered by Alarm In	
	Network	
	Network Storage: NAS (Support NFS,SMB/CIFS), ANR	
	Alarm Trigger: Motion detection, tampering alarm, network disconnect, IP address conflict, storage exception	
	Protocols: TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour	
	General Function: User Authentication, Watermark, IP address filtering	
	System Compatibility: ONVIF (Profile S, Profile G), ISAPI	
	Interface	
	Communication interface: 100M/1000M Ethernet port, 1 RS-485 interface	
	Audio: 1-ch 3.5 mm audio in (Mic in/Line in)/out interface	
	Alarm: 1 input, 1 output (up to DC24V 1A or AC110V 500mA)	
	On-board storage: Built-in Micro SD/SDHC/SDXC slot, up to 128 GB	
	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years (bidder must specify brand, model and series)	
	Operating conditions: -30 °C ~ 60 °C (-22 °F ~ 140 °F) Humidity 95% or less (non-condensing)	
	Power Supply: PoE (802.3af)	

		Impact Protection: IK10	
		IR range: Up to 30m	
		Image Sensor:- 6MP 1/1.8" Progressive Scan CMOS	
		Signal System:- PAL/NTSC	
		Min. Illumination:-Color: 0.1 lux at F2.8 (30 IRE, 2400 K); B/W: 0 lux at F2.8 (IR LED on)	
		Lens:-1.65mm, F2.8 Angle of view: 180°(wall mount)	
		Focusing: Auto	
		Day &Night:- IR cut filter with auto switch	
		Wide Dynamic Range:-True WDR at least 130dB	
		Digital noise reduction:- 3D DNR	
		Video Compression:- H.264+/H.264/MJPEG	
		Audio Compression:- G.711/G.722.1/G.726/MP2L2	
		Triple Stream:- Yes	
		Digital Zoom: 21x	
		Max. Image Resolution:-4096 x 2190	
		Image Settings:- Saturation, brightness, contrast adjustable through client software or web browser	
17	6MP IP IR Bullet Outdoor Camera with Digital Zoom	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Motorized zoom lens with P-Iris technology	
		Independent with Main Stream and Sub Stream	
		Image Sensor: 1/1.8" Progressive Scan CMOS	
		Min. Illumination: Color: 0.1 lux at F1.4 (30 IRE, 2400 K); B/W: 0 lux at F1.4 (IR LED on)	
		Shutter Time: 1/5-1/2000sec (manual mode); 1/5-1/10000sec (auto mode)	
		Slow Shutter: Yes	

	Fixed Lens: 2.8 - 9 mm@ F1.4, angle of view: 94.5°-30.5°	
	Auto Iris: DC drive	
	Focusing: Auto	
	Angle Adjustment: Pan:0°-355°, Tilt: 0° ~ 75°, Rotation:0°-355°	
	Digital Noise Reduction: DNR	
	WDR: Basic WDR (74 dB)	
	Day/Night: IR cut filter with auto switch	
	Video Compression: H.264, MPEG4, MJPEG	
	Bit Rate: 32 Kbps ~ 16 Mbps	
	Audio Compression: G.711/G.726/MP2L2	
	Audio Bit Rate: 64Kbps(G.711) / 16Kbps(G.726)/ 32-128Kbps(MP2L2)	
	Max. Image Resolution: six megapixels (2921 x 2184)	
	Frame Rate: 30fps	
	Day/Night Switch Auto/Schedule/Triggered by alarm in	
	Analytics and Alarm Trigger: Cross line detection, Intrusion detection, Scene change detection,	
	Defocus detection, audio exception detection, Motion detection, Face detection,	
	Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict	
	Protocols: TCP/IP,ICMP,HTTP,HTTPS,DHCP,DNS,RTP,RTSP,RTCP, NTP,SMTP,IGMP,IPv6	
	Security: User authentication, watermark, IP address filtering, anonymous access	
	System Compatibility: ONVIF (Profile S, Profile G),PSIA,CGI,ISAPI	
	Onboard Storage: Built in Micro SD slot, up to (128GB)	
	Power Supply: PoE (802.3af)	
	IR Range: Approx. 30m	
	Impact Protection: IK10	
	Protection Level Weatherproof (IP68), Vandal proof metal casing (IK10)	

		Warranty: 2 Year	
	6 MP IP IR Fish Eye (360°)Camera	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Image Sensor: 1/1.8" Progressive Scan CMOS	
		16x digital zoom	
		Digital WDR	
		25 ft (8 m) IR distance, depending on scene reflectance	
		Built-in cyber security hardware chipset	
		Excellent low light performance with down to 0 lux BW (with IR LEDs on)	
		Up to triple stream support	
		1.7 mm, F2.0, or 1.98 mm F2.8 fixed fisheye lenses	
		Onboard camera storage up to 128 GB microSD card (not included)	
		Rugged outdoor housing with IP67 ingress protection rating and IK10 impact resistance rating	
		ONVIF profile S and G compliant	
		Global language support with 15 languages for all QIGs, Web GUI, and online help	
18	4MP IP PTZ Outdoor Camera with Digital Zoom	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Image Sensor: 1/3.2" HD CMOS sensor	
		Full HD: 2048 x 1536 / 25fps/30fps	
		Min. Illumination: F1.5, 50IRE, AGC On: Color: 0.002 lux, B/W : 0.0002 lux, 0 lux with IR	
		White Balance: Auto/ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp	
		WDR: 120dB	
		Shutter Time: 50Hz: 1~1/30,000s; 60Hz: 1~1/30,000s	
		Alarm Trigger: Motion detection, tampering alarm, HDD full, HDD error, network disconnect	

	d, IP address conflicted, illegal login	
	True Day & Night: ICR	
	Privacy Masking: 24 privacy masks programmable; optional multiple colors and mosaics	
	Auto Focus: Auto	
	30x Optical zoom (4.3~129mm), 16x Digital zoom	
	3D positioning	
	Weather Proof IP66 and IK10 Vandal Proof	
	ROI: Support 1 fixed region for main stream and sub stream separately	
	Pan & Tilt	
	Pan Range: 360°endless	
	Pan Speed: Pan Manual Speed: 0.1°~160°/s, Pan Preset Speed: 240°/s	
	Tilt Range: -20°~90°(Auto Flip)	
	Tilt Speed: Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 200°/s	
	Proportional Zoom: Rotation speed can be adjusted automatically according to zoom multiples	
	Number of Preset: 300	
	Patrols:8 patrols, up to 32 presets per patrol	
	Pattern: 4 patterns, with the recording time not less than 10 minutes per pattern	
	Supports power loss recovery	
	Park Action: Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / P anorama scan	
	PTZ Position Display: ON/OFF	
	Supports Freeze Frame	
	Infrared	
	IR irradiation distance:120M	

		IR irradiation angle: Adjustable by Zoom	
		Warranty: 2 Year	
19	Network Video Recorder	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Server Software(Recording)	
		Video Standards: PAL, or NTSC standards, HD-SDI and IP	
		Video Resolution: QCIF, CIF, 2CIF, DCIF, D1, 720p,1080p, MP	
		Live view / Playback resolution 12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
		IP and HD rates: High image rate streams supported, camera dependent	
		Zoom: Unlimited zoom by mouse wheel	
		Record Type: Continuous, schedule, motion, alarm, event and digital input trigger	
		Record Tracks: 3 independents tracks assignable to different HDDs with different settings	
		Overwrite Modes: Configurable auto deletion and overwrite function by time or disk allocation	
		Operating System: Embedded Linux platform	
		The VMS will have the following licensed features embedded, analytics should be on server and camera side:- <ul style="list-style-type: none"> • Object counting • Target cropping scheme • Object entering/leaving • Facial recognition • Smart search with Thumbnails • Region entering/leaving • Object identification • Forensic search • Automatic Number Plate Recognition 	

	Client Software	
	Remote Users: 2 to unlimited concurrent licensed users	
	Operating System: Microsoft Windows Server	
	Mobile client: Support for Android, iOS devices and licensed	
	Find and Display: Instantaneous and simultaneous display of live and recorded images	
	Video Display: User configurable by image size, aspect ratio and position	
	Licensed Features(one off license)	
	De-warping for any 360 degree cameras: Provides customizable linear views of live and archived images and the ability to recall a total old of view and follow subjects as if tracking with a PTZ camera, creating ad hoc video clips around the occurred events	
	Multiple Interactive Maps: Configurable map screen for finding and interacting with cameras and devices	
	Virtual Matrix: Ability to display video from multiple cameras from different recorders on monitor walls	
	VMS should support Video Wall functionality to control multiple large monitors from single Client workstation	
	HTTP proxy server: Allows remote management of cameras and other equipment that is isolated on the local surveillance network	
	The Operating system, the VMS and the database (enterprise versions) will have a one off license	
	The client software with unlimited concurrent users (remote and mobile)	
	Automatic plate number recognition for unlimited number of cameras	
	Face recognition for unlimited cameras	
	Camera Support	
	Compression formats: H.264, H.264+, H.265, MPEG-4, M-JPEG, JPEG2000, and MxPEG	
	Camera Model: Should work on an open platform i.e. support any IP camera model provided it has ONVIF feature.	
	PTZ devices: Full 3 axis control(PAN, TILT & ZOOM) using a 3-axis mouse or	

	joystick controller	
	PTZ Mode: Preset and Tour	
	IP Camera setup: Drop down menu	
	IP camera discovery: Automatic for ONVIF cameras	
	IP camera web browser setup: Direct access	
	Camera and tracks: Multiple recording profiles	
	Security and Redundancy	
	Password profile: Multiple protection levels	
	Camera and displays: Accessible on a per user basis	
	Digital watermarking : Image authentication with real time checking	
	Encryption: Up to 4096 bit encryption	
	Remote Administration: Remote control via TCP/IP network including restart and rebooting	
	Events and Alarms	
	Advanced events: Shows a real time stream of incoming events and alarms on the main window	
	Event Detection: Any third party events and alarms, video loss, darkening, motion within image, camera movement, camera tamper, alarm input, login succeeded, login denied, faulty warning.	
	Event notification: Via client viewer, email or TCP/IP message	
	Events Actions: Record on alarm, text overlay, boost recording rate, trigger output, spot monitor and PTZ camera on preset	
	Failover	
	NVR and VMS Suite should support complete failover of both management server and recording server.	
	Database server should support mirroring for immediate high availability if primary database server fails	
	Failover should occur instantaneously under 1 minute without any user disruption	
	Hardware	

	Processor: Intel® Xeon® E5-2620v3 (10 core, 2.3 GHz, 40MB, 105W)	
	Memory: 64 Gb	
	Storage: <ul style="list-style-type: none"> • 32TB, • 120 GB SSD boot drive for rapid start-up), • Cache (MB)5 64 • Performance Class 5400 RPM Class • Load/unload cycles 300,000 • Safe and secure surveillance Hard Drives 	
	Raid Level: 0,1,5,6 –Optional	
	Incoming bandwidth : 320 Mbps, or 200 Mbps (when RAID is enabled)	
	Outgoing bandwidth :256 Mbps, or 200 Mbps (when RAID is enabled)	
	IP video input Up to 12MP resolution	
	Recording resolution : 12MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF	
	Network: 2 x 1GigE ports –upgradable	
	Speed -1000 Mbps	
	Remote connection : 128	
	The server will be configured in the existing Local Area Network (LAN) and the cameras will be on their own network(Behind the NVR)	
	Time Sync(NTP): Automatically synchronized to other compatible recorders	
	Privacy Mask: Configurable mask to avoid viewing sensitive areas within a camera view.	
	Time Zone: Regional setting available	
	Languages: Multiple languages support	
	Recorder per location: 1-255	
	Distributed locations: 1 to unlimited	
	Monitoring: Full system monitoring including SMART disk health monitoring	
	Power: Input Voltage 240V ac , 50Hz	

		1+1 redundant power supply unit	
		Watchdog function: Auto-reboot of system in case of system failure	
		The server MUST be provided with a one off license software (OS Licensed Enterprise Edition, ViMS)	
		Warranty: 2/2/2 - Server Warranty includes two years of parts, three years of labor, and three years of onsite support coverage.	
20	42U Cabinet	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		42U cabinet/Rack	
		Plexiglas Glass front door/Vented Rear door both with locking swing handles.	
		MUST have removable cable slots both at the top and bottom covers	
		Removable/lockable side panels	
		2 Sets of adjustable mounting rails (adjusting in 1 inch increments)	
		Adjustable mounting depth of 3” to 32.5” inches	
		2 extractor fan kits	
		MUST be Black in color and metered rack mount 2u 24 port PDU	
21	Evolis High Trust Colour Cartridge (PNO R5F002EAA 300 prints)	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		300 full color prints per roll	
22	Printable contactless smart cards 32 Bits	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years (bidder must specify brand, model and series)	
		Fully ISO/IEC 14443 Type A 1-3 compliant	
		Available with ISO/IEC 14443-3 7-byte unique identifier	
		7-byte UID or 4-byte NUID	
		1- or 4-kByte EEPROM	
		Simple fix memory structure	
		Memory access conditions freely programmable	

		2 x 48 bit keys per sector for key hierarchy	
		Personalization options (7B UID version only), supporting flexibility within 4-byte- and 7-byte infrastructure, e.g. ISO shortcut, UID mapping and random ID	
		NXP originality signature to prove MIFARE Classic® genuineness	
		The cards MUST be compatible with the existing KRA Access Control System at Times Towers	
23	HDMI Cable	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		sRGB	
		YCbCr 4:2:2/4:4:4	
		8 channel LPCM, 192 kHz, 24-bit audio capability	
		Blu-ray Disc and HD DVD video and audio at full resolution	
		Consumer Electronic Control (CEC)	
		DVD-Audio support	
		Super Audio CD (DSD) support	
		Deep color	
		xvYCC	
		Auto lip-sync	
		Dolby TrueHD bitstream capable	
		DTS-HD Master Audio bitstream capable	
		Updated list of CEC commands	
		3D over HDMI	
		Ethernet channel	
		Audio return channel (ARC)	
		4K resolution support at 30 fps	
24	CAT 6A cable (Outdoor)	Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Conductor Metal: Solid Bare Copper	

		Shield: Aluminum Polyester Foil	
		Color Code: Black	
		Conductor Diameter: 0.560mm Nominal, 23 AWG	
		Insulation Diameter: 1.14 Nominal, Insulation Material: HD-PE	
		Drain Wire: 26 AWG	
		Jacket Material: Double sheath, PVC Inner Sheath, UV PVC Outer Sheath	
		Cable Diameter: 8.6mm Nominal	
		Warranty: 1 Year	
25	SSD 128 GB (Supply, Install and Configure)	Mature internationally recognized brand, in existence for at least 2 years(bidder must specify brand, model and series)	
		Form factor: 2.5" drive available in both 7.0mm (64GB & 128GB only) & 9.5mm (256GB) to fit more systems	
		Interface:SATA Rev. 3.0 (6Gb/s) – with backwards compatibility to SATA Rev. 2.0.	
		Warranty: Three-year warranty, free technical support	
26	Hot- Swappable Disk-NVR 4TB (Supply, Install and Configure)	Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Capacity- 4 TB	
		Features: Time-Limited Error Recovery (TLER), IntelliSeek, IntelliPower, Advanced Format technology, All Frame, surveillance system compatible, S.M.A.R.T.	
		Interface: SATA 6Gb/s	
		Buffer Size: 64 MB	
		Internal Data Rate: 150 MBps	
		Drive Transfer Rate: 600 MBps (external)	
		Speed: 5400 RPM	
		Warranty: 3 Year	

27	Hot- Swappable Disk-NVR 2TB(Supply, Install and Configure)	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Capacity- 2 TB	
		Features: Time-Limited Error Recovery (TLER), IntelliSeek, IntelliPower, Advanced Format technology, All Frame, surveillance system compatible, S.M.A.R.T.	
		Interface: SATA 6Gb/s	
		Buffer Size: 64 MB	
		Internal Data Rate: 150 MBps	
		Drive Transfer Rate: 600 MBps (external)	
		Speed: 5400 RPM	
28	Gigabit Ethernet 1000Base-SX SFP Optical Interface	Warranty: 3 Year	
		Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Transceiver model number:- SFP-1GE-SX	
		Rate:- 1000 Mbps	
		Optical interface:- Multimode	
		Transceiver type:- SFP	
		Maximum distance:- 50/125 MMF cable: 1640 ft/500 m	
		Transmitter wavelength:- 770 through 860 nm	
		Average launch power:- -9.5 through 0 dBm	
		Average receive power:- -17 through 0 dBm	
		Receiver saturation:- 0 dBm	
Receiver sensitivity:- -17 dBm			
29	Fiber Patchcords 3M LC To SC OM3 MM	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Fiber Type:- 62.5/125 - OM1	

		Cable Type :- Multimode	
		Cable Length (m.): - 3	
		Color:- Orange	
		Network Speed:- 1Gbps	
		Connections:- Connector A SC DUPLEX (MALE), Connector B ST DUPLEX (MALE)	
30	Graphic card (NVDA)	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Intended Operating System: Windows 7, Windows Vista, Windows XP	
		Memory Interface: DDR3-1066DDR2-800	
		DirectX 10 Support: Yes	
		Graphics Cores: 16	
		Core/Shader Clocks: 450/1100 MHz	
		Texture Fill Rate: 3.6 Billion/second	
		Max. Anti-Aliasing (AA) Sample Rate: 16x	
		RAMDACs: 300MHz	
		Max. High-Dynamic Range (HDR) Precision: 128-bit	
		Max. Analog Resolution: 2048 x 1536	
		Max Digital Resolution: 2560 x 1600	
		NVIDIA PureVideo® HD: Yes With Full HD decode (1080i/p)	
		Display options: HDMI, dual-link DVI, DP and VGA	
		PCI-Express 2.0: 20 lanes 1 x16	
		Audio: HDA (Azalia)	
		Form Factor: UDIMM	
		Total Capacity: 8GB	
		Specs: DDR3 PC3-12800 • CL=11 • Unbuffered • ECC • DDR3-1600 • 1.35V • 1024Meg x 72 •	

		Speed: 1600 MT/S	
		Voltage: 1.35V	
		DIMM Type: Unbuffered	
		Bullet Features: Increases system performance	
32	Uninterruptible Power Supply for the door controllers	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Input: 100-240VAC 1.6A 50/60Hz	
		DC Output: 13.8VDC 3.8A (5V 0.75A via Power Distribution Board)	
		Battery Charge Output: 13.4VDC 0.23A	
		Additional: AC Power Fail Output	
		Dimensions: 13" x 13" x 4.5" (33.02 x 33.02 x 11.43 cm)	
		Construction: Cold-rolled 18 Gauge Steel, Powder Coated Finish	
33	Rubber Door Stoppers	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Colour: Black	
34	Door Hinges	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Material: Brass ,Stainless Steel 201,304,316	
35	Exit buttons	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Max Current: 3A/36 VDC(No/NC) output	
		Size: 91x28 mm	
36	55" LED HDTV	Model and Technology : Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Max. Resolution :3840×2160	
		Input signal : HDMI / USB/VGA /RF / AV_IN / VIDEO_OUT /AUDO_OUT / RJ45 / DIGITAL AUDIO_OUT	
		USB - support: Video/Audio/Image	
		Audio/Video Inputs : Stereo Audio L/R RCA	

		Intelligent energy management: Must have the ability measure the intensity of light in the room and automatically adjusts the TV brightness.	
		Operating voltage : 100V-240VAC 60/50Hz	
		Image processing : 3D+3D	
		Audio Power output : 8W+8W	
37	Cisco Switch – 48 Gigaport POE with 4 uplink Gigaport	Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Enterprise standalone, High-density, High performance, Gigabit Ethernet switch. Layer 2 switching and layer 3 routing must be supported.	
		The switch MUST provide a seamless integration with the existing KRA network	
		48 Ethernet 1000 Mb ports, 4 - SFP transceiver-based Gigabit Ethernet ports	
		Must support Advanced Layer 3 switching (IPv4 and IPv6) features, advanced quality of service (QoS), rate limiting, Access Control Lists (ACLs) and Enhanced Interior Gateway Routing Protocol (EIGRP) and OSPF	
		IEEE 802.1Q, 802.1p, 802.3x	
		Ethernet: IEEE 802.3, 1000BaseT, and 1000BaseFL	
		Fast Ethernet: IEEE 802.3u, 1000BaseTX, 1000BaseFX	
		Gigabit Ethernet: IEEE 802.3z.	
		Compatible with different vendors Network equipment e.g. 3com, Nortel, Cisco.	
		Compliant with IEEE SNMP standards. Capable of monitoring the Network up to Node Level. Management by a well-known and developed propriety OS.	
		Spanning Tree Protocol Technology	
		Support for Spanning Tree Protocol Technology	
		Compliant with IEEE 802.1Q standards- should support VLANs/Network Segmentation	
		Port Level Security e.g. Port Filtering, Access Control Lists, Policy based routing etc. Management by a recognized proprietary operating system	
		Auto negotiating on all ports automatically selects half- or full-duplex transmission mode to optimize bandwidth.	
		Per-port broadcast, multicast, and unicast storm control prevents faulty end	

		stations from degrading overall systems performance	
		The proposed switch should not have reached End Of Life	
		Minimum 3 years on Parts, Labour and software.	
		In addition, the equipment <i>MUST</i> include the manufacturer's premier technical support services that include: <ul style="list-style-type: none"> I. Accelerated hardware replacement options, II. Operating system updates, III. Access to Manufacturer's technical assistance team, IV. Online troubleshooting / support tools and proactive problem diagnosis services. 	
38	3KVA UPS	Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Output Power Capacity : 865 Watts / 1500 VA	
		Max Configurable Power : 865 Watts / 1500 VA	
		Nominal Output Voltage : 220/230/240VAC programmable1 phase + N	
		Output Voltage Distortion : Less than 5% at full load	
		Output Frequency (sync to mains) : 47 - 53 Hz for 50 Hz nominal,57 - 63 Hz for 60 Hz nominal	
		Topology: Line interactive	
		Waveform Type: Stepped approximation to a Sine wave	
		Output Connections: Four (4) IEC 320 C13, Two (2) IEC jumpers	
		Nominal Input Voltage: 100V to 240V	
		Input Frequency: 50/60 Hz +/- 3 Hz (auto sensing)	
		Input Connections IEC-320 C14	
		Battery Type: Maintenance free sealed lead-acid with suspended electrolyte, leak proof	
		Input voltage range for main operations: 1 phase 230VAC+ Neutral +earth	
		Input voltage adjustable range for mains operation: 175 - 297V	
Typical recharge time:8 hour(s)			
Typical Backup Time at Half Load: 20.9 minutes (432.5 Watts)			

		Typical Backup Time at Full Load: 7.6 minutes (865 Watts)	
		Interface Ports:DB-9 RS-232, 10/100 base-T	
		Control panel : LED status display with On Line : On Battery : Replace Battery and Overload indicators	
		Audible Alarm : Alarm when on battery : distinctive low battery alarm : configurable delays	
		Surge energy rating: 445 Joules	
		Filtering : Full time multi-pole noise filtering : 5% IEEE surge let-through : zero clamping response time : meets UL 1449	
		Data Line filtering: RJ-45 modem/Fax/DSL/10-100 Base-T protection	
		Standard Warranty: 2 years repair or replace	
		Accessories: Power cords (at least 1.83M), CD with software, Documentation CD, Rack Mounting brackets, Smart UPS signaling RS-232 cable, USB cable, User Manual	
39	Proximity Card Reader	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Dynamic support of multiple credential technologies including iCLASS Seos®, iCLASS SE, standard iCLASS®, UHF, MIFARE®, MIFARE DESFire®, Mobile enabled	
40	CAT 6A, Shielded RJ45 Modular Plugs	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Housing: Polycarbonate, UL94V-0	
		Color: Transparent	
		Contact Blade: Copper Alloy	
		Conductor: Stranded & Solid Wire, 22 - 26 AWG (Plug Can Be Used For Wire OD's Of Under 1.5 mm & Cable Out Jacket OD Should Be Under 8.0 mm)	
		Gold Plating: 50µ"	
		Shielded Shell: Copper Alloy	
41	3M CAT 6A Patch cords	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Boot: Elastomer	
		Translucent Conductor : BC - Bare Copper	

		Front Connection: Blades Phosphor Bronze with 50u inch Gold over Nickel Plating	
		Inner Jacket: PVC - Polyvinyl Chloride	
		Insulation: PO - Polyolefin	
		Outer Jacket: PVC - Polyvinyl Chloride	
		Total Number of Pairs: 4	
		Conductor Size: 24 AWG	
		Overall Nominal Diameter: 0.265 in	
		Wiring Scheme: T568A/B-T568A/B	
		Length: 3M	
42	1M CAT 6A Patch cords	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years (bidder must specify brand, model and series)	
		Boot: Elastomer	
		Translucent Conductor : BC - Bare Copper	
		Front Connection: Blades Phosphor Bronze with 50u inch Gold over Nickel Plating	
		Inner Jacket: PVC - Polyvinyl Chloride	
		Insulation: PO - Polyolefin	
		Outer Jacket: PVC - Polyvinyl Chloride	
		Total Number of Pairs: 4	
		Conductor Size: 24 AWG	
		Overall Nominal Diameter: 0.265 in	
		Wiring Scheme: T568A/B-T568A/B	
		Length: 1M	
43	48 Port CAT 6A Patch panel	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Product Group: PATCH PANELS & KEYSTONE JACKS	
		TAA Compliant : Yes	
		Model Type: Patch Panels	

		Cable Type: Cat6/6a	
		Unit Carton UPC#: 037332120045	
		Color: Black	
		Connector A : 110-TYPE TERMINAL (X48)	
		Connector B: RJ45 (FEMALE) (X48)	
		Connector C : RJ45 (FEMALE) (X12)	
		Connector D : RJ45 (FEMALE) (X12)	
		Ports : 48	
44	24 Port CAT 6A Patch panel	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Product Group: PATCH PANELS & KEYSTONE JACKS	
		TAA Compliant : Yes	
		Model Type: Patch Panels	
		Cable Type: Cat6/6a	
		Unit Carton UPC#: 037332120045	
		Color: Black	
		Connector A : 110-TYPE TERMINAL (X48)	
		Connector B: RJ45 (FEMALE) (X48)	
		Connector C : RJ45 (FEMALE) (X12)	
		Connector D : RJ45 (FEMALE) (X12)	
		Ports : 24	
45	48 Port Fiber Trays loaded with Adaptors inclusive of installations	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years (bidder must specify brand, model and series)	
		Number of fibre cores: 48	
		Number of modules inserts: 24	
		Number of coupling/adapters: 24	
		Width pigtails: Yes	
		Fibre Type: Multimode 50/125	
		Fibre Class: OM4	

		APC – Type: No	
		External Connection Type: LC-Duplex	
		Interior Connection Type: LC-Duplex	
		Colour: Black	
		RAL-Number: 9005	
		Number of rack units : 1	
46	24 Port Fiber Trays loaded with Adaptors inclusive of installations	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Number of fibre cores: 24	
		Number of modules inserts: 12	
		Number of coupling/adapters: 12	
		Width pigtails: Yes	
		Fibre Type: Multimode 50/125	
		Fibre Class: OM4	
		APC – Type: No	
		External Connection Type: LC-Duplex	
		Interior Connection Type: LC-Duplex	
		Colour: Black	
		RAL-Number: 9005	
		Number of rack units : 1	
47	Hot-Swappable HDD-ACS (600GB)	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Type : Hard Drive - Internal	
		Capacity : 600 GB	
		Form Factor : 2.5 SFF	
		Interface : SAS 6GB/S	
		Data Transfer Rate : 600 MBPS	
		Spindle Speed : 10000 RPM	
53	CAT 6A cable (indoor)	Model and Technology: Mature internationally recognized brand, in existence	

		for at least 10 years(bidder must specify brand, model and series)	
		23 AWG Annealed bare solid copper, CAT-6 UTP Cable, Channel optimized to 350 Mhz	
		Meets EIA/TIA 568-B.2-1 Category 6 specifications, Passed UL 444 test and meets CM and CMR ratings	
		Worst Case Cable Skew : 45 nsec/100 meters	
		Characteristic Impedence : 100(+/- 3) Ohms 500MHz , Tested till 700 Mhz	
		Conductor Annealed copper wire Diameter 0.52 mm (nominal)	
		Insulation High Density polyethylene, Diameter 0.94 mm (nominal)	
		Support for Fast Ethernet and Gigabit Ethernet IEEE 802.3/5/12,Voice,ISDN, ATM 155 & 622 Mbps and Broadband	
54	SFP fibre module (multi-mode)- Cisco	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		Hot swappable to maximize uptime and simplify serviceability	
		1000BASE-LX/LH SFP for Both Multimode	
		Flexibility of media and interface choice on a port-by-port basis, so you can “pay as you populate”	
		Robust design for enhanced reliability	
		Supports digital optical monitoring (DOM) capability	
56	Memory Chips- Master controller 2 MB RAM module	Model and Technology: Mature internationally recognized brand, in existence for at least 10 years(bidder must specify brand, model and series)	
		SIMM Memory Module	
		AME-20 (2MB) module	
		Part Number 430-160	

SECTION VI - SCHEDULE OF REQUIREMENTS

Procurement Item

Schedule A:

No	Description	Delivery schedule
1.	Annual Maintenance Contract for Integrated Security System	Immediately after issuance of LSO

Instructions on Submission of Bids

The Tenderer must submit his/her response on the KRA Supplier Portal in the following format:

Proposal comprising of the following documents presented in the order given:

Section	Document
A	Tender Notice/Invitation to Tender
B	Power of Attorney (except for sole proprietor) - see attached template
C	Confidential Business Questionnaire duly filled, signed and stamped
D	Certificate of Business Registration or Certificate of Incorporation
E	Manufacturer's Authorizations/Accreditation for all key components i.e. CCTV and Apollo Access Control system
F	Two (2) key Staff Competency Profiles
G	Details of two (2) major clients
H	Valid Tax Compliance Certificate

SECTION VII- PRICE SCHEDULE
ANNUAL MAINTENANCE CONTRACT FOR INTEGRATED SECURITY SYSTEM.
(PRICES SHOULD BE INCLUSIVE OF TAXES WHERE APPLICABLE)

NO.	DESCRIPTION	BID PRICE
I	MAINTENANCE OF THE INTEGRATED SECURITY SYSTEM FOR YEAR ONE (1) FRAMEWORK TOTAL COST IN (KES.) (INCL. OF ALL TAXES.)	
II.	PROVIDE FOR: THREE YEARS FRAMEWORK RATES FOR SUPPLY, DELIVERY AND INSTALLATION OF SPARE PARTS ON NEED BASIS	14,000,000.00
	YEAR TWO (2) FRAMEWORK TOTAL COST IN KSHS	
	YEAR THREE (3) FRAMEWORK TOTAL COST IN KSHS	
	TOTAL COST FOR THE THREE YEARS (FRAMEWORK CONTRACT) (TO BE MOVED TO FORM OF TENDER)	

a) Annual Maintenance of the Integrated Security System.

No.	Rate per quarter in (KES.) (Incl. of all taxes)	Total Cost (Kes). Inc Taxes
1.	1 st Quarter	
2.	2 nd Quarter	
3.	3 rd Quarter	
4.	4 th Quarter	

NB: The Estimated and Projected Value of the System is as follows;

2014	126,340,709.51
2015	111,340,709.51
2016	96,340,709.51
2017	81,340,709.51
2018	66,340,709.51
2019	51,340,709.51
2020	36,340,709.51
2021	21,340,709.51
2022	12,634,070.95

FRAMEWORK RATES IN KES TO INCLUDE SUPPLY AND INSTALLATION UPTO A MAXIMUM SPEND OF KSHS. 14 MILLION

FRAMEWORK RATES IN KES TO INCLUDE SUPPLY, DELIVERY AND INSTALLATION			
NO	SPARE PART ITEM	UNIT OF MEASURE	UNIT PRICE (KES.) (INCL. OF ALL TAXES)
1.	Cat 6 cable	Roll	
2.	1000 base X 8 core fibre optic	Per m	
3.	SFP fibre module- Cisco	Pc	
4.	GE SFP LC Connector SX Transceiver MM-SIEMON	Pc	
5.	Fiber Patchcords 3M LC To SC OM3 MM-SIEMON	Pc	
6.	GE SFP LC Connector SX Transceiver MM (Cascading to switch)- SIEMON	Pc	
7.	Fiber Patch cords 3M LC To LC OM3 MM-SIEMON	Pc	
8.	Fiber Adhesive and Premier	Pc	
9.	24 Port Fiber Trays loaded with Adaptors inclusive of installations- SIEMON	Pc	
10.	48 Port Fiber Trays loaded with Adaptors inclusive of installations- SIEMON	Pc	
11.	24 Port Cat6 Patch panel	Pc	
12.	48 Port Cat6 Patch panel	Pc	
13.	1M Cat6 Patch cords Siemon	Pc	
14.	3M Cat6 Patch cords	Pc	
15.	RJ 45 Connectors CAT 6-siemon	Pc	
16.	Gromet and Knockouts and spiral Flex	Pc	
17.	Cisco Network switch – 48 ports POE	Pc	
18.	Cisco Network switch – 24 ports POE	Pc	
19.	6 MP IP IR Dome POE Camera (state manufacturer and model)	Pc	
20.	6 MP IP IR Bullet POE Camera(state manufacturer and model)	Pc	
21.	High Resolution Day/Night Outdoor IP POE PTZ Cameras(state manufacturer and model)	Pc	
22.	6 MP IP IR Fish Eye Camera (state manufacturer and model)	Pc	
23.	42U cabinet complete with cable management accessories, power distribution unit, ventilation fan	Pc	
24.	Network Video Recorder (NVR) (state	Pc	

	manufacturer and model)		
25.	Memory Chips – NVR (state manufacturer, model and capacity)	Pc	
26.	Memory chips ACS server (state manufacturer, model and capacity)	Pc	
27.	Memory Chips- Master controller 2 Mbyte RAM module (maximum of 1 for AAN-32 and 4 for AAN-100)	Pc	
28.	Graphic card (NVDA)	Pc	
29.	Hot-Swappable HDD-ACS (600GB)	Pc	
30.	Hot- Swappable Disk- NVR (2TB AND 4TB)	Pc	
31.	Internal HDD (20 GB SSD)	Pc	
32.	Client Workstation	Pc	
33.	APC UPS rack Mountable 3.0 KVA	Pc	
34.	APC UPS rack Mountable 1.5 KVA	Pc	
35.	SONY 42” LCD Monitor	Pc	
36.	Master controller- AAN-100 (8MB) (complete with housing and PSU)	Pc	
37.	Door controller- AAN-1N (complete with housing and PSU)	Pc	
38.	Proximity card reader	Pc	
39.	Printable contactless smart cards	Pc	
40.	Door contacts	Pc	
41.	Door buzzers	Pc	
42.	Maglock for double door	Pc	
43.	Maglock for single door	Pc	
44.	Biometric Finger print and proximity card reader	Pc	
45.	Uninterruptible Power Supply for the door controllers	Pc	
46.	Door closer-Wooden	Pc	
47.	Door closer- Metallic	Pc	
48.	Door closer-Glass Doors	Pc	
49.	Hinges	Pc	
50.	Exit buttons	Pc	
51.	Evolis High Trust colour Cartridge (PNO R5F002EAA (300 prints)	Pc	
52.	Evolis Primacy Printer	Pc	
53.	Printer Cleaning Kit (with ribbon)	Pc	
54.	Glass door stoppers	Pc	
55.	ACS Client License APACS 3.9 Client Licenses	Per User	
56.	Workstation User License ViMS Command Client software only	Per workstation	
57.	Camera License	Per Camera	
58.	ACS SERVER	Pc	

59.	ACS Windows server OS	Pc	
60.	ACS MS SQL Server Enterprise	Pc	
61.	32mm heavy gauge Pvc conduits, couplers, saddles, screws, tangit and accessories (per meter)	Pc	
62.	25mm heavy gauge Pvc conduits, couplers, saddles, screws, tangit and accessories (per meter)	Pc	
63.	Pvc 2 x 2 trunking with accessories per meter	Pc	
64.	20mm Roll Flexible conduit (50 meters)	Pc	
65.	32MM Flexible Conduit(50metres Roll)	Pc	
66.	50*50 2.4 metallic trunking with accessories	Pc	
67.	32MM Galvanized steel pipe with Couplers, bends, saddles and accessories	Pc	
68.	HDMI Cable per meter	Pc	
69.	22U cabinet (600mm by 800mm)	Pc	
70.	Glass door locks	Pc	
71.	6 MP IP IR Wireless camera	Pc	
72.	Add any other that we might have left out which you anticipate could be needed.		

Tenderer's Signature _____ *Official Stamp* _____

Date _____

SECTION VIII - STANDARD FORMS

Notes on the Sample Forms

- 1 *Form of Tender-* The form of tender must be completed by the tenderer and submitted with the tender documents. It must also be duly signed by duly authorized representatives of the tenderer.
- 2 *Confidential Business Questionnaire Form -*This form must be completed by the tenderer and submitted with the tender documents.
- 3 *Tender Security Form-* When required by the tender documents the tender shall provide the tender security either in the form included herein or in another format acceptable to the procuring entity.
- 4 *Contract Form-* The Contract Form shall not be completed by the tenderer at the time of submitting the tender. The Contract Form shall be completed after contract award and should incorporate the accepted contract price.
- 5 *Performance Security Form-* The performance security form should not be completed by the tenderers at the time of tender preparation. Only the successful tenderer will be required to provide performance security in the form provided herein or in another form acceptable to the procuring entity.
- 6 *Power of Attorney -* This form must be completed by the tenderer and submitted with the tender documents.
- 7 *Bank Guarantee for Advance Payment Form-* When Advance payment is requested for by the successful bidder and agreed by the procuring entity, this form must be completed fully and duly signed by the authorized officials of the bank.
- 8 *Manufacturers Authorization Form-*When required by the tender documents this form must be completed and submitted with the tender documents. This form will be completed by the manufacturer of the goods where the tenderer is an agent.

8.1 FORM OF TENDER

Date _____
Tender No. _____

To: KENYA REVENUE AUTHORITY
P. O. BOX 48240 – 00100 NAIROBI.

Gentlemen and/or Ladies:

1. Having examined the tender documents including Addenda Nos. *[insert numbers]*.the receipt of which is hereby duly acknowledged, we, the undersigned, offer to **Annual Maintenance Contract for Integrated Security System** in conformity with the said tender documents for the sum of *(total tender amount in words and figures)* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Tender.

2. We undertake, if our Tender is accepted, to deliver install and commission the equipment in accordance with the delivery schedule specified in the Schedule of Requirements.

3. If our Tender is accepted, we will obtain the guarantee of a bank in a sum of equivalent to _____ percent of the Contract Price for the due performance of the Contract , in the form prescribed by *(Procuring entity)*.

4. We agree to abide by this Tender for a period of ...**335 days** from the date fixed for tender opening of the Instructions to tenderers, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

5. This Tender, together with your written acceptance thereof and your notification of award, shall constitute a Contract, between us. Subject to signing of the Contract by the parties.

6. We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this _____ day of _____ 20 _____

[signature]

[in the capacity of]

Duly authorized to sign tender for an on behalf of _____

8.2 CONFIDENTIAL BUSINESS QUESTIONNAIRE FORM

You are requested to give the particulars indicated in Part 1; either Part 2(a), 2(b) or 2 (c) whichever applied to your type of business; and Part 3.

You are advised that it is a serious offence to give false information on this form.

Part 1 – General																
1.1	Business Name															
1.2	Location of Business Premises.															
1.3	Plot No..... Street/Road Postal Address Tel No. Fax E mail															
1.4	Nature of Business ,.....															
1.5	Registration Certificate No.															
1.6	Maximum Value of Business which you can handle at any one time – Kshs.															
1.7	Name of your Bankers Branch															
Part 2 (a) – Sole Proprietor																
2a.1	Your Name in Full Age															
2a.2	Nationality Country of Origin <ul style="list-style-type: none"> • Citizenship Details 															
Part 2 (b) Partnership																
2b.1	Given details of Partners as follows:															
2b.2	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"><u>Name</u></th> <th style="width: 30%;"><u>Nationality</u></th> <th style="width: 40%;"><u>Citizenship Details</u></th> </tr> </thead> <tbody> <tr> <td><u>Shares</u></td> <td></td> <td></td> </tr> <tr> <td>1.....</td> <td></td> <td></td> </tr> <tr> <td>2.....</td> <td></td> <td></td> </tr> <tr> <td>3.....</td> <td></td> <td></td> </tr> </tbody> </table>	<u>Name</u>	<u>Nationality</u>	<u>Citizenship Details</u>	<u>Shares</u>			1.....			2.....			3.....		
<u>Name</u>	<u>Nationality</u>	<u>Citizenship Details</u>														
<u>Shares</u>																
1.....																
2.....																
3.....																

4.....
.....

Part 2 (c) – Registered Company

2c.1 Private or Public
.....
.....

2c.2 State the Nominal and Issued Capital of Company-
Nominal Kshs.
Issued Kshs.

2c.3 Given details of all Directors as follows

<u>Name</u>	<u>Nationality</u>	<u>Citizenship Details</u>
<u>Shares</u>		
1.....		
.....		
2.		
.....		
.....		
3.		
.....		
.....		
4.		
.....		
.....		
5		
.....		
.....		

Part 3 – Eligibility Status

3.1 Are you related to an Employee, Committee Member or Board Member of Kenya Revenue Authority? Yes _____ No _____

3.2 If answer in '3.1' is **YES** give the relationship.
.....
.....
.....

3.3 Does an Employee, Committee Member, Board Member of Kenya Revenue Authority sit in the Board of Directors or Management of your Organization, Subsidiaries or Joint Ventures? Yes _____ No _____

3.4 If answer in '3.3' above is **YES** give details.
.....
.....
.....
.....

3.5 Has your Organization, Subsidiary Joint Venture or Sub-contractor been involved in the past directly or indirectly with a firm or any of its affiliates that have been engaged by Kenya Revenue Authority to provide consulting services for preparation of design, specifications and other documents to be used for procurement of the goods under this invitation? Yes _____ No _____

3.6 If answer in '3.5' above is **YES** give details.

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

3.7 Are you under a declaration of ineligibility for corrupt and fraudulent practices?
YES _____ No _____

3.8 If answer in '3.7' above is **YES** give details:

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

3.9 Have you offered or given anything of value to influence the procurement process?
Yes _____ No _____

3.10 If answer in '3.9' above is **YES** give details

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

I DECLARE that the information given on this form is correct to the best of my knowledge and belief.

Date Signature of Candidate

- If a Kenya Citizen, indicate under "Citizenship Details" whether by Birth, Naturalization or registration.

8.4 CONTRACT FORM
TENDER REF No: KRA/HQS/NCB/056/2018-2019
FRAMEWORK CONTRACT FOR ANNUAL MAINTENANCE CONTRACT FOR INTEGRATED SECURITY SYSTEM.
THIS AGREEMENT made the _____ day of _____ 20 _____ between Kenya Revenue Authority [<i>name of Procurement entity</i>] of Kenya [<i>country of Procurement entity</i>] (hereinafter called “the Procuring entity) of the one part and [<i>name of tenderer</i>] of [<i>city and country of tenderer</i>] (hereinafter called “the tenderer”) of the other part;
WHEREAS the Procuring entity invited tenders for [Framework Contract For Annual Maintenance Contract For Integrated Security System. and has accepted a tender by the tenderer for the supply of those Annual Maintenance Contract For Integrated Security System in the sum of [<i>contract price in words and figures</i>] (Hereinafter called “the Contract Price).
NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:
1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to:
2. The following documents shall be deemed to form and be read and construed as part of this Agreement viz:
(a) the Tender Form and the Price Schedule submitted by the tenderer
(b) the Schedule of Requirements
(c) the Technical Specifications
(d) the General Conditions of Contract
(e) the Special Conditions of contract; and
(f) the Procuring entity’s Notification of Award
3. In consideration of the payments to be made by the Procuring entity to the tenderer as hereinafter mentioned, the tender hereby covenants with the Procuring entity to provide the goods and to remedy defects therein in conformity in all respects with the provisions of the Contract
4. The Procuring entity hereby covenants to pay the tenderer in consideration of the provisions of the goods and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the contract.
IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.
Signed, sealed, delivered by _____ the _____ (for the Procuring entity
Signed, sealed, delivered by _____ the _____ (for the tenderer in the presence of _____
(Amend accordingly if provided by Insurance Company)

8.5 PERFORMANCE SECURITY FORM

To Kenya Revenue Authority

WHEREAS [*name of tenderer*] (hereinafter called “the tenderer”) has undertaken , in pursuance of Contract No. _____ [*reference number of the contract*] dated _____ 20 _____ to supply [*description of goods*] (hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said Contract that the tenderer shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Tenderer’s performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the tenderer a guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the tenderer, up to a total of [*amount of the guarantee in words and figure*] and we undertake to pay you, upon your first written demand declaring the tenderer to be in default under the Contract and without cavil or argument, any sum or sums within the limits of [*amount of guarantee*] as aforesaid, without you needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the _____ day of _____ 20 _____

Signed and seal of the Guarantors

[*name of bank or financial institution*]

[*address*]

[*date*]

8.6 FORMAT OF POWER OF ATTORNEY

We (name and address of the registered office) do hereby constitute, appoint and authorize Mr. / Mrs. / Ms (name and residential address) who is presently employed with us and holding the position of as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our proposal for the project “**Annual Maintenance Contract for Integrated Security System – Three (3) Years Framework Agreement,**” including signing and submission of all documents and providing information / responses to the Kenya Revenue Authority ("KRA"), representing us in all matters before KRA, and generally dealing with KRA in all matters in connection with our Proposal for the said Project.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

..... (Signature)
(Name, Title and Address)

Accepted
..... (Signature)
(Name, Title and Address of the Attorney)

8.7 BANK GUARANTEE FOR ADVANCE PAYMENT FORM

To Kenya Revenue Authority

[name of tender]

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends the General Conditions of Contract to provide for advance payment, *[name and address of tenderer]*(hereinafter called “the tenderer”) shall deposit with the Procuring entity a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of *[amount of guarantee in figures and words]*.

We, the *[bank or financial institutions]*, as instructed by the tenderer, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Procuring entity on its first demand without whatsoever right of objection on our part and without its first claim to the tenderer, in the amount not exceeding *[amount of guarantee in figures and words]*

We further agree that no change or addition to or other modification of the terms of the Contract to be performed there-under or of any of the Contract documents which may be made between the Procuring entity and the tenderer, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid in full effect from the date of the advance payment received by the tenderer under the Contract until *[Date]*.

Yours truly,

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]

8.8 MANUFACTURER'S AUTHORIZATION FORM

To Kenya Revenue Authority

WHEREAS [*name of the manufacturer*] who are established and reputable manufacturers of [*name and/or description of the goods*] having factories at [*address of factory*] do hereby authorize [*name and address of Agent*] to submit a tender, and subsequently negotiate and sign the Contract with you against tender No. [*reference of the Tender*] for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Tenders.

[*signature for and on behalf of manufacturer*]

Note: This letter of authority should be on the letterhead of the Manufacturer and should be signed by a person competent.

8.9 LETTER OF NOTIFICATION OF AWARD

**Kenya Revenue Authority
P.O Box 48240 – 00100,
Nairobi.**

To: _____

RE: Tender No. _____

Tender Name _____

This is to notify that the contract/s stated below under the above mentioned tender have been awarded to you.

1. Please acknowledge receipt of this Letter of Notification signifying your Acceptance.
2. The Contract/contracts shall be signed by the parties within 30 days of the date of this letter but not earlier than 14 days from the date of the letter.
3. You may contact the officer(s) whose particulars appear below on the subject matter of this Letter of Notification of Award.

Deputy Commissioner
Supply Chain Management
Haile Selassie Avenue, Times Tower, 25th Floor
Telephone: +254-020-2817022
Website www.kra.go.ke

FOR: **Commissioner General**