



# **GOVERNMENT ANALYST'S DEPARTMENT**

**Bidding Document**

**Volume 2**

**(Section II, III, IV, V & VII)**

**Procurement of Goods**

**National Competitive Biddings**

**Supply, Installation & Maintenance of**

**Brand New Automated Ballistics Identification System**

**Contract No : GAD/ACC11/2021/CF/07**

Government Analyst's Department,

No 31, IsuruMawatha,

Pelawatta, Battaramulla

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## **SECTION II**

### **Bidding data sheet (BDS)**

## Section II. Bidding Data Sheet (BDS)

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

<b>ITB Clause Reference</b>	<b>A. General</b>
<b>ITB 1.1</b>	The Purchaser is: <b>Government Analyst's Department</b>
<b>ITB 1.1</b>	The name and identification number of the Contract is: <b>Brand New Automated Ballistics Identification System</b>
<b>ITB 2.1</b>	The source of funding is: <b>GOSL</b>
<b>ITB 4.3</b>	Bidder should not be black listed.
<b>ITB 5</b>	Automated Ballistics Identification System supplied under this contract shall be complied with internationally accepted standards.
	<b>B. Contents of Bidding Documents</b>
<b>ITB 6.2</b>	The bidder is expected to examine all instructions forms, terms and specifications in the bidding document. Failure to furnish all information or documentation required by the bidding document, may result in the rejection of the bid.
<b>ITB 7.1</b>	For <u>Clarification of bid purposes</u> only, the Purchaser's address is: Attention: <b>Chief Accountant</b> Address: <b>Government Analyst's Department, No 31, IsuruMawatha, Pelawatta, Battaramulla.</b> Telephone: <b>0112786396</b> Facsimile number: <b>0112786396</b>
	<b>C. Preparation of Bids</b>
<b>ITB 9.1</b>	The bidder shall bear all costs associated with the preparation and submission of its bid.

ITB 10.1	Language of Bid - <b>English</b>
ITB 11.1	The Bidder shall submit following documents : <b>Document given in the document check list (See the annexure – 01)</b>
ITB 13	Alternative bid – <b>Not Allowed</b>
ITB 15.1	The bidder shall quote the equipment cost & accessories to be imported in one of the following three foreign currencies (US\$,Japanees Yen, CHF,Euro) also the local cost shall be Quote In LKR.
ITB 17.3	Period of time the Goods are expected to be functioning (for the purpose of spare parts): <b>Ten Years</b>
ITB 18.1 (b)	After sales service is: <b>Required</b>
ITB 19.1	The bid shall be validity until : <b>13/10/2021</b>
ITB 20.1	Bid shall include a Bid Security (issued by commercial bank operating in Sri Lanka) included in Section IV Bidding Forms)
ITB 20.2	The amount of the Bid Security shall be: <b>LKR 3,000,000/=</b> The validity period of the bid security shall be until: <b>13/09/2021</b>
ITB 21.3	Any interlineations, erasures or overwriting shall be valid only if they are signed or initial by the person signing the bid.
<b>D. Submission and Opening of Bids</b>	
ITB 22.1 (a)	The original and copy of the bid should be submitted in the separate sealed envelopes duly marking the envelopes as “ORIGINAL” and “COPY”
ITB 22.2 (c)	The inner and outer envelopes shall bear the following identification marks: <b>Supply, Installation &amp; Maintenance of Brand New Automated Ballistics Identification System</b> - <b>GAD/ACC11/2021/CF/07</b> <b>Closing at – 10.00 am on 15/06/2021</b>
ITB 23.1	For bid submission purposes, the Purchaser’s address is: Attention: <b>Chairman, Department Procurement committee</b> Address: <b>No 31, IsuruMawatha,Pelawatta,Battaramulla.</b> The deadline for the submission of bids is: Date: <b>15/06/2021</b> Time: <b>10.00 am</b>

<b>ITB 24</b>	Late Bids - <b>Rejected</b>
<b>ITB 25</b>	Any withdrawal or modification of bid should be submitted by sending a written notice in accordance with ITB clause 22. It should signed by a person. Duly authorized to sign on behalf of the bidder. Document to prove his authority to sign on behalf of the bidder should be attached with the written notice.
<b>ITB 26.1</b>	<p>The bid opening shall take place at:</p> <p>Address: <b>Chief Accountant, Government Analyst's Department, No 31, Isuru Mawatha, Pelawatta, Battaramulla.</b></p> <p>Date: <b>15/06/2021</b></p> <p>Time: <b>10.00 am</b></p>
	<b>E. Evaluation and Comparison of Bids</b>
<b>ITB 31</b>	<p><u>Preliminary Examination of bids</u></p> <p>Following factors should be considered.</p> <ol style="list-style-type: none"> <li>1. Bidder should not be blacklisted.</li> <li>2. Public contract registration certificate. [P.C.A. – 03 form]</li> <li>3. Original bid security issued by the commercial bank operated in Sri Lanka without any alterations to its format.</li> <li>4. Manufacture's authorization letter.</li> <li>5. Bid submission form should be corrected filled and signed without any alterations to its format.</li> <li>6. <u>Authority to sign the bid document</u> Following relevant document should be submitted with the bid document by the firm mentioning the name and specimen signature of the officer who sign the bid submission form and other documents. <ol style="list-style-type: none"> <li>I. If the firm is a company copy of board resolution and directors information Certificate certified by the company secretary.</li> <li>II. If the firm is a partnership power of attorney of letter of consent signed by other partners</li> <li>III. If the firm is a joint venture power of attorney or letter signed by all parties.</li> </ol> </li> <li>7. Price schedule should be filled in with the information requested.</li> <li>8. Following other document should be submitted with the bid document <ol style="list-style-type: none"> <li>I. Detailed proforma invoice.</li> <li>II. Manufacture's guarantees, illustrations, catalogues and full particulars of the offered in English language.</li> <li>III. Certificate of country of origin.</li> <li>IV. Certified copy of test certificate.</li> <li>V. Experience and Technical Capacity.</li> <li>VI. Financial Capability.</li> </ol> </li> </ol>

	<p>VII. After Sales Service.  VIII. Training.  IX. Client Certificate.</p> <p>A bid, absence of any information mention above will be rejected.</p>
<b>ITB 32.1</b>	<p><u>Examination of terms and conditions and technical evaluation</u></p> <p>Any material deviation or reservation to all terms and conditions mentioned in the contract data of the bidding document will be rejected.</p>
<b>ITB 32.2</b>	<p>Any material deviation or reservation to all requirements specified in section V, schedule of requirements of the bidding document will be rejected.</p>
<b>ITB 33</b>	<p>Price quoted in foreign currencies will be converted into Sri Lankan rupees using the selling rates pre valid 28 days prior to closing of bids as published by Central Bank of Sri Lanka for evaluation and comparison purposes.</p>
<b>ITB 34.1</b>	<p>Domestic preference shall not be a bid evaluation factor.</p>
<b>ITB 35.3</b>	<p>To evaluate the bid following factors and methodology will be used.</p> <p>(a) Life cycle cost [bid price &amp; maintenance cost for five years after comprehensive warranty period (3 years) at the rate of discounted 10%]  (b) Price adjustment for correction of arithmetical errors.  (c) Price adjustment due to discounts offered.</p>
	<p><b>F. Award Of Contract</b></p>
<b>ITB 39.1</b>	<p>Contract will be awarded to the bidder whose offer has been determined to be the lowest evaluated and substantially responsive to the bidding document.</p>
<b>ITB 42.2</b>	<p>Contract agreement should be signed with the Government Analyst's Department within seven (7) days after receipt of letters of acceptance.</p>
<b>ITB 43.1</b>	<p>Successful bidder should submit the performance security in accordance with the condition of contract within 7 days of the receipt of notification.</p>

## **Section III**

### **Evaluation & Qualification Criteria**

This section complements the Instructions to Bidders. It contains the criteria that the purchaser uses to evaluate a bid and determine whether a bidder has the required qualifications. No other criteria shall be used.

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## **1. Evaluation and Comparison of Bids- ITB 31**

### Preliminary Examination of bids

Following factors should be considered.

1. Bidder should not be blacklisted.
2. Public contract registration certificate.  
[P.C.A. – 03 form]
3. Original bid security issued by the commercial bank operated in Sri Lanka without any alterations to its format.
4. Manufacture's authorization letter.
5. Bid submission form should be corrected filled and signed without any alterations to its format.
6. Authority to sign the bid document  
Following relevant document should be submitted with the bid document by the firm mentioning the name and specimen signature of the officer who sign the bid submission form and other documents.
  - I. If the firm is a company copy of board resolution and directors information Certificate certified by the company secretary.
  - II. If the firm is a partnership power of attorney of letter of consent signed by other partners
  - III. If the firm is a joint venture power of attorney or letter signed by all parties.
7. Price schedule should be filled in with the information requested.
8. Following other document should be submitted with the bid document
  - I. Detailed proforma invoice.
  - II. Manufacture's guarantees, illustrations, catalogues and full particulars of the offered in English language.
  - III. Certificate of country of origin.
  - IV. Certified copy of test certificate.
  - V. Experience and Technical Capacity.
  - VI. Financial Capability.
  - VII. After Sales Service.
  - VIII. Training.
  - IX. Client Certificate.

A bid, absence of any information mention above will be rejected.

### Examination of terms and conditions and technical evaluation

## **2. Evaluation and Comparison of Bids (ITB 32.1)**

Any material deviation or reservation to all terms and conditions mentioned in the contract data of the bidding document will be rejected.

## **3. Evaluation and Comparison of Bids(ITB 32.2)**

Any material deviation or reservation to all requirements specified in section V, schedule of requirements of the bidding document will be rejected.

## **4. Evaluation and Comparison of Bids(ITB 33)**

Price quoted in foreign currencies will be converted into Sri Lankan rupees using the selling rates pre valid 28 days prior to closing of bids as published by Central Bank of Sri Lanka for evaluation and comparison purposes.

## **5. Evaluation and Comparison of Bids(ITB 34.1)**

Domestic preference shall not be a bid evaluation factor.

## 6. Evaluation and Comparison of Bids(ITB 35.3)

To evaluate the bid following factors and methodology will be used.

- (a) Life cycle cost [bid price & maintenance cost for five years after comprehensive warranty period (3 years) at the rate of discounted 10%]
- (b) Price adjustment for correction of arithmetical errors.
- (c) Price adjustment due to discounts offered.

## 7. Post qualification Requirements (ITB 37.2)

After determining the lowest-evaluated bid in accordance with ITB Sub-Clause 36.1, the Purchaser shall carry out the post qualification of the Bidder in accordance with ITB Clause 37, using only the requirements specified. Requirements not included in the text below shall not be used in the evaluation of the Bidder's qualifications.

### i. Financial Capability

Audited financial report for the last three years.

The Bidder shall furnish documentary evidence that it meets the following financial requirement(s):

Average annual value of Scientific Instruments, Equipment / Fixtures supply and installation work performed during the last five years shall be at least **Rs.10 million with document evidence**

The minimum amount of Liquid Assets or credit facilities required is **Rs.05 million**

### ii. Experience and Technical Capacity

The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirement(s):

01. Manufacturer and bidder experiences.

- (a) The manufacturer of the equipment shall have at least **Five (5) years** experience in the Design and Manufacturer of similar type gas chromatographs.
- (b) The bidder shall have at least **Three (03) years** experience in Supplying, Installing, Testing, Commissioning and Maintenance of laboratory analytical equipment such as Scientific Instruments in Sri Lanka and having qualified technical staff trained for similar works.

02. After – Sales service

The supplier, being the accredited Agent in Sri Lanka, Should prove to the purchaser on his present status and ability;

- (a) To provide specialized and technical services on call. Indicate the details of workshop facilities available to provide such services giving information such as address of the workshop, names of the instruments available, details of the employee giving EPF nos. etc.
- (b) To maintain adequate stock holding of spare parts ex-stock, within forty five (45) calendar days from the date of a firm order.
- (c) To meet the financial commitment on the above.
- (d) To substantiate past performances on the supply of spare parts and regular maintenance of similar equipment in government or semi-government institution.
- (e) The successful bidder shall be responsible for onsite comprehensive maintenance of the goods related to this tender.

03. Training

The supplier shall undertake to train adequately the nominated employees of Govt. Analyst's Department, for carrying out the efficient operation of the machines. The supplier shall issue a certificate in this regard indicating the staff he had trained and that they are competent to operate and maintain the machine efficiently, in keeping to the manufacturer's requirements.

04. Client certificates.

Bidder shall submit the documentary evidence to proof that they have supply maintenance & similar nature of equipment for last 03 years.

# **Section IV.**

## **Bidding Forms**

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## Bid Submission Form

*[The Bidder shall fill in this Form in accordance with the instructions indicated No alterations to its format shall be permitted and no substitutions shall be accepted.]*

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

No.: **GAD/ACC11/2021/CF/07**

To: **Government Analyst, Government Analyst's Department**

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: *[insert the number and issuing date of each Addenda]*;

(b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services **Supply, Installation & Maintenance of Brand New Automated Ballistics Identification System**

(c) The total **CIF** price of our Bid, including any discounts offered is: *[insert the total bid price in words and figures]*;

(d) The total price of five consecutive year comprehensive post warranty service & maintenance chargers for site: *[insert the total bid price without VAT in words and figures]*;

Year	Local (LKR)	Foreign* (.....)**
1		
2		
3		
4		
5		
Total		

\*If required

\*\*Indicate the currency

- (e) Our bid shall be valid for the period of time specified in ITB Sub-Clause 18.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 23.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) Our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause 43 and CC Clause 17 for the due performance of the Contract;
- (g) We have no conflict of interest in accordance with ITB Sub-Clause 4.3;
- (h) Our firm, its affiliates or subsidiaries—including any subcontractors or suppliers for any part of the contract—has not been declared blacklisted by the National Procurement Agency;
- (k) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (l) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed: *[insert signature of person whose name and capacity are shown]*

In the capacity of *[insert legal capacity of person signing the Bid Submission Form]*

Name: *[insert complete name of person signing the Bid Submission Form]*

Duly authorized to sign the bid for and on behalf of: *[insert complete name of Bidder]*

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*

# Price Schedule

1. The Bidder shall fill in the price schedule in accordance with the instructions indicated. The list of line items in column 1 of the **price schedule** shall coincide with the list of goods and related services specified by the purchaser on the schedule of requirements.
2. If so specified in the bid data sheet and in the schedule of requirement bidder shall indicate the relevant post warranty service and maintenance cost to be incurred by the purchaser for successive five years.
3. Consumable parts for the maintenance contract shall be binding upon the bidder, which will form a basis for a service and maintenance agreement in case the bidder is selected to perform the contract.







**Cost of Major Replacement Components, Mandatory Spare Parts,  
Consumables, Accessories and Service**

#	Part / Consumables	Unit Cost	Quantity	Available Source

Name & Signature of Bidder:

.....

Company Seal:

# Bid Guarantee

*[This Bank Guarantee form shall be filled in accordance with the instructions indicated in brackets]*

----- *[insert issuing agency's name, and address of issuing branch or office]* -----

**Beneficiary: Government Analyst, Government Analyst's Department**

**Date:** ----- *[insert (by issuing agency) date]*

**BID GUARANTEE No.:** ----- *[insert (by issuing agency) number]*

We have been informed that ----- *[insert (by issuing agency) name of the Bidder; if a joint venture, list complete legal names of partners]* (hereinafter called "the Bidder") has submitted to you its bid dated ----- *[insert (by issuing agency) date]* (hereinafter called "the Bid") for the supply of *[insert name of Supplier]* under Invitation for Bids No. ----- -- *[insert IFB number]* ("the IFB").

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee.

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

- (a) has withdrawn its Bid during the period of bid validity specified; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (c) having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This Guarantee shall expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the Bidder was unsuccessful, otherwise it will remain in force up to ----- *(insert date)*

Consequently, any demand for payment under this Guarantee must be received by us at the office on or before that date. \_\_\_\_\_

*[signature(s) of authorized representative(s)]*

# Manufacturer's Authorization

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

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

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

To: *[insert complete name of Purchaser]*

WHEREAS

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

We hereby extend our full guarantee and warranty in accordance with Clause 27 of the Conditions of Contract, with respect to the Goods offered by the above firm.

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

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

Title: *[insert title]*

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Bidder]*

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*

# **Section V**

## **Schedule of requirements**

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## List of Goods, Related Services & Delivery Schedule

### Goods

Item No	Description of Goods	Q'ty	Final destination as specified in BDS	Required Delivery Period	Bidder's Offered Delivery Period
1	<b>Brand New Automated Ballistics Identification System</b>	01	Government Analyst's Department	01 – 04 Months	

### Related Services

Item No		Site
1	Post Warranty Service & maintenance for 5 consecutive years the unit including Spare Parts, Accessories & Labour, & consumable parts,	Government Analyst's Department

Name & Signature of Bidder :

.....

Date : .....

**REQUIRED TECHNICAL SPECIFICATION-**

**BRAND NEW AUTOMATED BALLISTICS IDENTIFICATION SYSTEM**

	Purchaser's Requirements	Conformity			Bidder's Offer
		Priority	Yes	No	Remarks
<b>1.0</b>	<b>System Requirements</b>				
	The system should be fully automated. It should facilitate automated 2D and 3D topography image capture, correlation, analysis and automated identification of likely matches of fired bullets and spent cartridge cases The system should use separate scanners for cartridge cases and bullets The system should provide data storage facility for at least 15 years of case work and data backup facility in case of disaster recovery	<b>C</b>			
<b>2.0</b>	<b>Sample acquisition</b>				
<b>2.1</b>	Cartridge case breach face, firing pin impression (centre fire and rimfire), ejector mark, extractor mark, cartridge case marks like magazine lip marks etc....	<b>C</b>			
<b>2.1</b>	Bullets Lands, grooves, microscopic striations etc....	<b>C</b>			
<b>2.2</b>	Damaged and deformed bullets	<b>C</b>			
<b>2.3</b>	Bullet fragments	<b>C</b>			
<b>2.4</b>	Jackets of bullets	<b>C</b>			
<b>2.5</b>	Polygonal rifling marks	<b>C</b>			
<b>2.6</b>	Shot slugs fired from smooth bore firearms	<b>C</b>			
<b>2.7</b>	Fired air gun pellets/darts	<b>C</b>			
<b>2.8</b>	Cartridges and bullets fired from homemade firearms	<b>C</b>			
<b>3.0</b>	<b>Range</b>				
	Full range of bullets with dimensions .22 to .50 (with an effective diameter from 4mm to 20mm) and cartridge cases of rifle bore cartridges with dimensions .22 to .50 (with an effective diameter from 2mm to 27mm smooth bore cartridges from .410 to 8 gauge (for shot shells) air gun pellets .177, .22	<b>C</b>			
<b>4.0</b>	<b>Sample handling</b>				
<b>4.1</b>	Cartridge cases, fired bullets, bullet fragments, slugs, air gun pellets etc. need to be introduced/ loaded to the system directly and no intervention of the user for alignment	<b>C</b>			

	of cartridge cases, bullets, bullet fragments, slugs and air gun pellets				
<b>4.2</b>	Automated alignment and positioning to acquire best quality images for comparisons	<b>C</b>			
<b>5.0</b>	<b>Lighting and focusing</b>				
<b>5.1</b>	No intervention of the user for adjusting light and focusing and the automated system should provide consistent lighting, focus of regions of interest to obtain high quality images for accurate comparisons.	<b>C</b>			
<b>5.2</b>	The system should use orientation-independent ring lighting and as well as oblique light.	<b>C</b>			
<b>5.3</b>	The images should be free of illuminating and shadowing effect of oblique light.	<b>C</b>			
<b>5.4</b>	The system should provide consistent lighting for images captured at different times for comparison	<b>C</b>			
<b>6.0</b>	<b>Image capturing</b>				
<b>6.1</b>	The system should use a separate scanner for cartridge cases	<b>C</b>			
<b>6.2</b>	The system should capture high quality 2D images and high quality 3D topography images of complete cartridge case head, firing pin impression (centre fire and rim fire), cap face marks breech face marks and any other region of interest on the cartridge head automatically	<b>C</b>			
<b>6.3</b>	The system should use a separate scanner for bullets	<b>C</b>			
<b>6.4</b>	The system should capture high quality 2D image of the bullet surface and high-quality 3D topography information of bullet's full circumference and the same for bullet fragments automatically	<b>C</b>			
<b>6.5</b>	The system should be able to produce a 360° wraparound image stripe and the same for sections of bullet fragments	<b>C</b>			
<b>6.6</b>	The system should capture 3D topography information of lands and grooves on the bullet/bullet fragments automatically.	<b>C</b>			
<b>7.0</b>	<b>Resolution</b>				
<b>7.1</b>	Horizontal resolution should be less than 4 micrometers for cartridge cases and bullets	<b>C</b>			
<b>7.2</b>	Depth resolution should be less than 1 micrometers for cartridge cases Depth resolution should be less than 0.5 micrometers for bullets	<b>C</b>			

<b>8.0</b>	<b>Correlation</b>				
<b>8.1</b>	The system must be able to use 2D data and 3D topography information with advance comparison algorithms that consider material composition for comparison of images	<b>C</b>			
<b>8.2</b>	The system should be able to correlate automatically each captured 2D image and 3D topography information of cartridge case region of interest, independently such as breech face mark, firing pin impression mark and ejector mark of cartridge cases and should use specialized cartridge case correlation algorithms adopted for each type of region	<b>C</b>			
<b>8.3</b>	The system should be able to correlate each captured 2D image and 3D topography information of bullet region of interest independently such as lands and grooves from conventional rifling or the areas of contact from polygonal rifling, automatically	<b>C</b>			
<b>8.4</b>	The system should use specialized bullet correlation algorithms adopted for each type of barrel rifling.	<b>C</b>			
<b>8.5</b>	The system should automatically correlate newly captured 2D images and 3D topography information of samples against a database of similar samples and should display a ranked list of the most likely matches	<b>C</b>			
<b>8.6</b>	The system should provide a numerical score for each captured and correlated mark on cartridge case and bullet enabling the examiners to identify possible matches by means of score ranking method.	<b>C</b>			
<b>8.7</b>	The system should be able to provide selection and filtering facility by means of manual request of the examiner for correlation based on exhibit characteristics	<b>C</b>			
<b>9.0</b>	<b>Analysis</b>				
<b>9.1</b>	The system must allow the automatic alignment of samples (bullets and cartridges) in their best matching position.	<b>C</b>			
<b>9.2</b>	The system must provide the examiner to overlap, rotate, and blend along all movement and rotation axes, measure markings for comparison.	<b>C</b>			
<b>9.3</b>	The system should provide the facility to view the images at several magnification levels	<b>C</b>			
<b>9.4</b>	The system should be able to display side by side view of compared cartridge cases	<b>C</b>			
<b>9.5</b>	The system should be able to display side by side view and top-bottom view of compared bullets	<b>C</b>			



9.6	The system must display the detailed 3D topography image of cartridge case correlated regions and bullet image strip representing the microscopic surface irregularities and macroscopic shapes	C			
9.7	The system should be able to extrapolate the true shape of deformed and fragmented bullets automatically.	C			
9.8	The system should provide various analysis methods of correlation data/results such as sortable score lists, graphs and high quality photographs which can be produced before courts.	C			
10.0	<b>Software</b>				
10.1	Should be compatible with different software and hardware versions with preserving the data integrity	C			
10.2	Should be upgraded to the latest versions	C			
10.3	Should have software license and the vendor should be provided proof of license	C			
11.0	<b>Future upgrades</b>				
11.1	Should be able to upgrade to compare and correlate the images with compatible network regionally and internationally.	C			
12.0	<b>Computer hardware</b>				
12.1	Appropriate computers and high quality color printer	C			
13.0	<b>Installation site</b>				
13.1	Installation site should be surveyed for optimize the suitability	C			
14.0	<b>Benches and cabinets</b>				
14.1	Should be supplied appropriate cabinets and benches	C			
15.0	<b>Electrical cabling and Networking cabling</b>				
15.1	Should be provided including necessary cabling, sockets, outlets and fixtures	C			
15.2	The system should be included an uninterruptible power supply (UPS) system that enables a controlled and secure system shutdown following a power failure	C			
15.3	Power supply and other electrical materials should be compatible to Sri Lanka.	C			
15.4	Safety requirements for electrical equipment for measurement, control and laboratory use. The vendor should be provided proof of certification	C			

<b>16.0</b>	<b>Warranty</b>				
<b>16.1</b>	Comprehensive on-site warranty and maintenance minimum five years for all the parts, labor and for regular upgrades to all software during the entire warranty period from the date of installation.	<b>C</b>			
<b>17.0</b>	<b>Training</b>				
<b>17.1</b>	In house or foreign training to the government analyst's department's staff by qualified trainer in the relevant field and make the system ready to the running condition	<b>C</b>			
<b>17.2</b>	The application support has to be provided by the company	<b>C</b>			
<b>18.0</b>	<b>Technical / Break Down support</b>				
<b>18.1</b>	24 hours support through telephone , internet remote diagnosis and solution in the service	<b>C</b>			
<b>19.0</b>	<b>Vendor profile</b>	<b>C</b>			
<b>19.1</b>	The system should come from a reputable brand in the market.	<b>C</b>			
<b>19.2</b>	The vendor should be certified from a recognize certification body (ISO 9001)	<b>C</b>			
<b>19.3</b>	The vendor must have a strong track record in providing personalized and responsive sales support	<b>C</b>			
<b>19.4</b>	The vendor shall be provided reference contact information for at least ten (10) customers who are using the proposed system	<b>C</b>			
<b>19.5</b>	The vendor should provide a complete detailed report for bullet and cartridge case of real-life instance (without exposing the identity information), separately from three customers who are using the proposed system. The report should include full 2D images and 3D topography images (color), matching points, correlation data and analysis information	<b>C</b>			
<b>19.6</b>	Vendor must demonstrate the proposed system usage and applications by means of a presentation done by an expert in the field	<b>C</b>			
<b>20.0</b>	<b>Other</b>				
<b>20.1</b>	All the specifications of the quoted instrument to be demonstrated at the time of installation.	<b>C</b>			
<b>20.2</b>	The system should be assembled and installed in the Government Analyst's Department, No 31, Isuru Mawatha, Pelawatta, Battaramulla, Sri Lanka.	<b>C</b>			

"C" = Compulsory

## Other Information

Information required	Bidder's comments
<b>Following information shall be provided</b>	
Manufacture's Name	
Country of Manufacture	
Port of Shipping	
Certificate of Country of origin	
Certified copy of test certificate	
Year of introduction of the model offered.	
Original equipment manufacturer (OEM Certificate)	
Original technical installation sites of the model offered	
Technical capacity to maintain the equipment	
Compatibility with International Standards	
Details of preventive maintenance to be carryout	
Statement of compliance in respect of every clause in the specification	
VAT Registration Number	
Legal Status (Sole proprietor, Partnership, Company, etc.)	
<b>Operational requirements</b>	
Power requirement 230V±10% & 50 Hz	
Safety measures against power fluctuations & surges	
Shall be able to work in tropical conditions (Ambient temperature 18°C-35°C& humidity up to 95%)	
Shall hold the responsibility to monitor the environmental & accommodation requirements	
<b>Other requirements</b>	
Application training for end-users (Details of the training programs & qualifications of the trainees)	
Installation & operational requirements (clearly specify)	
List of standard accessories with their unit prices	
Operation service & Repair manual in English	
Post warranty service and maintenance charges for 5 years (labour only)	

# **Section VII**

## **Contract Data**

## Section VII. Contract Data

The following Contract Data shall supplement and / or amend the Conditions of Contract (CC). Whenever there is a conflict, the provisions herein shall prevail over those in the CC.

<b>CC 1.1 (a)</b>	Contract means – Contract agreement signed between successful supplier and Government Analyst’s Department.
<b>CC 1.1 (d)</b>	Days – Calendar days.
<b>CC 1.1(h)</b>	The Purchaser is: Government Analyst’s Department
<b>CC 1.1 (i)</b>	The Final Destination is Government Analyst’s Department
<b>CC 7.1</b>	Automated Ballistics Identification System supplied under this contract should be complied with the internationally accepted standards.
<b>CC 8.1</b>	For <b><u>notices</u></b> , the Purchaser’s address shall be:  Attention: Government Analyst  Address: Government Analyst’s Department, No 31, Isuru Mawatha, Pelawatta, Battaramulla  Telephone: 011-2786396  Fax number: 011-2786396  Electronic mail address: govanalyst@slt.net.lk
<b>CC 9.1</b>	Governing Law – The laws of the Democratic Socialist Republic of Sri Lanka.
<b>CC 10.2</b>	Settlement of Disputes – Arbitration proceeding shall be conducted in accordance with the Arbitration Act No. 11 of 1995.
<b>CC 12.1</b>	Details of Shipping and other Documents to be furnished by the Supplier  Tax Invoice
<b>CC 15.1</b>	Methods & conditions of payment to be made to the Supplier under this contract shall be as follows:  (i) <b>On Shipment:</b> Eighty (80) percent of the foreign currency portion of the Goods shipped shall be paid through irrevocable confirmed letter of credit opened in favour of the Supplier in a bank in Sri Lanka, upon submission of documents specified in GCC clause 12;.  (iii) <b>On Acceptance:</b> Twenty (20) percent of the Foreign currency portion of Goods shall be paid within thirty(30) days of presentation of claim supported by the acceptance certificate issued by the end user.

	Payment of any local currency portion shall be made in Sri Lankan Rupees within thirty(30) days of presentation of claim supported by a certificate from the Purchaser declaring that the Goods have been delivered and that all other contracted Services have been performed.
<b>CC 17.3</b>	A Performance Security shall be required (ITB section VII 17.1)
<b>CC 22.1</b>	The supplier shall pack the Goods as is required to prevent their damage or deterioration during transit to their final destination.
<b>CC 23.0</b>	Automated Ballistics Identification System supplied under the Contract shall be fully insured against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery.
<b>CC 24.1</b>	Supplier shall be responsible for arranging transportation of the Automated Ballistics Identification System to the Government Analyst's Department.
<b>CC 26.10</b>	A sum of 0.001% for each week or part thereof from the contract price will be charged as liquidated damages, starting from the agreed delivery date. Maximum liquidated damages will be 10% of the contract price.
<b>CC 27.3</b>	Supplier should provide 3 years comprehensive warranty.
<b>CC 25.1</b>	The inspections and testing and commissioning shall be as follows;  01. Installation, Testing and Commissioning <ul style="list-style-type: none"> <li>(a) Prior to the commencement of installation work, the supplier shall forward proof of adequate insurance to cover the loss/damage during the work of installation, testing and commissioning of the machines, valid up to the point of taking over by the 'representative'.</li> <li>(b) The machine shall be installed by the supplier in accordance with the manufacturer's recommendations and conforming to the relevant current standards and codes of practice of the trade in Sri Lanka.</li> <li>(c) On satisfactory completion of the installation work, the supplier, with the concurrence of the representative, shall draw out a programme for testing to prove the capacity and performance of the machines supplied.</li> <li>(d) All test data and yielding results shall be recorded, and the supplier shall attach such records to the handing over synopsis.</li> <li>(e) The use of a particular instrument or an apparatus shall be decided at the sole discretion of the representative. In case of rejection, the supplier shall immediately find replacement to maintain continuity in the testing programme.</li> </ul>

### Document Check List

(This document must be returned with the bid.)

Bids shall be accompanied by following documents duly filled and signed by bidders.

Please tick the appropriate cage, if enclosed, and give the relevant page number in your bid document.

No.	Document	Enclosed	Page no.
1	Bid Submission Form		
2	Bid Security		
3	Public contract registration certificate taken under contract act.		
4	Power of attorney		
5	Price Schedule – Goods		
6	Price Schedule – Maintenance (if applicable)		
7	Cost of major replacement components, mandatory spare parts, consumables, accessories etc.		
8	Manufacturer's Authorization letter		
9	Bidder's response to technical specifications		
10	Detailed Pro forma invoice		
11	Manufacture's guarantees, Illustrations, catalogues and full particulars of the offered in English language		
12	Experience and Technical capacity		
13	Post qualification data(if specified in BDS)		
14	Certificate of country of origin		
15	Certified copy of test certificate		

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Bidder's Name, Signature, Date & Company seal