



भारतीय रिज़र्व बैंक  
**RESERVE BANK OF INDIA**

**Tender for Supply of Currency Verification & Processing Systems (CVPS)**

Reserve Bank of India, Department of Currency Management, Central Office, Mumbai invites tenders for supply of Supply of Currency Verification and Processing Systems (CVPS). The Bid document is available from July 28, 2017 and can be downloaded from the "Tender" section of our website ([www.rbi.org.in](http://www.rbi.org.in)). Last time and date for submission of bids is 1500 hrs. on August 24, 2017

**Chief General Manager  
Department of Currency Management**



## Request for Proposal

**For the Supply, Installation, Commissioning and Testing and handing over of Currency Verification and Processing Systems at offices of Reserve Bank of India and maintenance thereof during and after the warranty period and providing all the concomitant Training/ Technical Support/ incidental services/ software/ accessories for operationalization of the machines.**

**Issued by:**

**Reserve Bank of India, Department of Currency Management, Central Office, 4<sup>th</sup> Floor, Amar Building, Sir. P.M Road, Post Box No.1379, Mumbai – 400001.**

**Telephone No: - +91 22 22610900**

**Fax No: - +91 22 22670570**

**Email: - [cgmindcm@rbi.org.in](mailto:cgmindcm@rbi.org.in)**

**Website: - [www.rbi.org.in](http://www.rbi.org.in)**

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## DISCLAIMER

Reserve Bank of India (RBI), Department of Currency Management (DCM), Central Office, Mumbai, has prepared this Request for Proposal (RFP).

The information contained in this Request for Proposal document (the "RFP") or subsequently provided to Tenderer(s), whether verbally or in documentary or any other form by or on behalf of the Reserve Bank of India (hereafter referred as the "Purchaser") or any of its employees or associated agencies, is provided to Tenderer(s) on the terms and conditions set out in this RFP and such other terms and conditions subject to which such information is provided. **In particular, the information contained in this document is confidential in nature.** The Tenderer shall not, without Purchaser's prior written consent, disclose the Documents or any provision thereof or any information furnished by or on behalf of Purchaser in connection therewith, to any person other than the person(s) employed by the Tenderer in the preparation of their Bids against this RFP. Further, any such disclosure to any such employed person(s) shall be made in confidence and only so far as necessary for the purposes of such preparation of Bids. This obligation of the Tenderer(s) shall remain alive even after the validity of the bid expires.

This RFP is not an agreement and is neither an offer nor invitation by the Purchaser to the prospective Tenderer(s) or any other party hereunder. The purpose of this RFP is to provide the Tenderer(s) with information to assist them in the formulation of their proposal submission. This RFP document does not purport to contain all the information Tenderer(s) may require. This RFP document may not be appropriate for all persons, and it is not possible for the Purchaser to consider particular needs of each Tenderer. Each Tenderer should conduct its own investigation and analysis, and should check the accuracy, reliability and completeness of the information in this RFP document and obtain independent advice from appropriate sources.

Information provided in this RFP to the Tenderer(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The Purchaser, its employees and other associated agencies accept no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

The Purchaser, its employees and other associated agencies make no representation or warranty and shall have no liability to any person, including any Tenderer under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFP and any assessment, assumption, statement or information contained therein or deemed to form part of this RFP or arising in any way for participation in this Bid Stage.

The Purchaser, its employees and other associated agencies also accept no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Tenderer(s) upon the statements contained in this RFP.

The Purchaser may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this RFP.

The issue of this RFP does not imply that the Purchaser is bound to select Tenderer(s) and the Purchaser reserves the right to reject all or any of the Tenderers or Bids at any stage without assigning any reason.

The Tenderer(s) shall bear all its costs associated with or relating to the preparation and submission of their Bids including but not limited to preparation, copying, postage, delivery fees, expenses associated with any submission of samples, demonstrations or presentations which may be required by the Purchaser or any other costs incurred in connection with or relating to their Bids. All such costs and expenses will remain with the Tenderer(s) and the Purchaser shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Tenderer(s) in preparation or submission of the Bid, regardless of the conduct or outcome of the Bidding Process.

This disclaimer shall not be interpreted to reduce or dilute any provision of the RFP document.



## Section: I - Notice Inviting Tender (NIT)

Reserve Bank of India

Address: - Department of Currency Management, Central Office, 4<sup>th</sup> Floor, Amar Building,  
Sir. P.M Road, Fort, Mumbai – 400001.

Telephone No: - +91 22 22610900

Fax No: - +91 22 22670570

Email: - [cgmindcm@rbi.org.in](mailto:cgmindcm@rbi.org.in)

Website: - [www.rbi.org.in](http://www.rbi.org.in)

Tender No. DCM/407

Date: July 28, 2017

1. A Global two part tender is hereby invited by Reserve Bank of India, Department of Currency Management, Central Office, Mumbai (hereinafter referred to as the “Purchaser”) from eligible and qualified manufacturers of high speed banknote processing systems (hereinafter referred to as “Tenderers”) for Supply, Installation, Testing, Commissioning and handing over of 50 (fifty) Currency Verification and Processing Systems (CVPS) at various RBI offices as indicated in [Section IV – List of Requirements](#).

Other important information related to the tender are as under:

Sr.No	Title	Particulars
i	Tender Number:	
ii	Type of Tender System	Two Bid System: - (i) Technical Bid and (ii) Financial (Price) Bid
iii	Purchaser	Reserve Bank of India, Department of Currency Management, Central Office, Mumbai.
iv	Scope of tender:	The Tenderer shall provide complete turnkey solution and Scope of Supply shall include, besides the CVPS Machines offered and the maintenance thereof during and after the warranty period, all the concomitant Training/ Technical Support/ incidental services/ software/ accessories, considered necessary to make the proposal self-contained and complete for operationalization of the machines. The scope will also include, in addition to adaptation during installation, additional adaptations of all denominations of Indian banknote as and when necessary and the Price quoted in price Bid for the machines should be inclusive of such services /accessories except the Annual Maintenance Charges post expiry of warranty period .
v	Installation of Machine	The Purchaser would place the machines at various

		RBI sites as detailed in <a href="#">Section IV-List of Requirements</a> for processing and verification of Indian banknotes.
vi	Quantity of machines to be supplied	50 machines. Minimum number of machines to be offered by any bidder shall be 35.
vii	Specification/details of machine	The technical specifications of machines are prescribed in <a href="#">Section-V System Requirement and Major Technical Specification</a>
viii	Web-site for getting information /updates relating to the tender	RBI's website: <a href="https://www.rbi.org.in">https://www.rbi.org.in</a> . The prospective Tenderers are advised to remain in touch with the website for any update in respect of this tender
ix	Location(s) of supplies	The machine(s) to be supplied across Reserve Bank offices at various locations as detailed in <a href="#">Section IV- List of Requirements</a> The Purchaser reserves the right to change the location of delivery while placing the supply order to selected Tenderer.
x	Earnest Money Deposit (EMD) along with the tender	The EMD of INR 53,200,000 (Rupees Fifty Three Million & Two Hundred Thousand Only) shall be submitted by way of irrevocable Bank Guarantee provided by any Scheduled Commercial Bank (SCB) in India and is to be placed in Technical bid envelop while submitting the tender.
xi	Date of sale of Tender Document	From July 28, 2017 to August 23, 2017 during 1100 hrs to 1500 hrs on working days
xii	Cost of Tender Document	INR 100,000/- (Rupees Hundred Thousand Only)
xiii	Closing date and time for receipt of tenders	1500 hours on August 24, 2017
xiv	Place of sale of Tender Document	Conference Hall, 4 <sup>th</sup> Floor, Department of Currency Management, Reserve Bank of India, Amar Building, Fort, Mumbai – 400 001
xv	Time and date of opening of tenders for Technical Bid	1700 hours on August 24, 2017
xvi	Place of opening of tenders	Reserve Bank of India, Central Office, Department of Currency Management, Amar Building, 4th Floor, Sir P M Road, Fort, Mumbai - 400 001
xvii	Time and date of Pre Bid Conference	15:00 hours on August 4, 2017
xviii	Place of Pre Bid Conference	Reserve Bank of India, Central Office, Department of Currency Management, Amar Building, 4th Floor, Sir P M Road, Fort, Mumbai - 400 001
xix	Place, Time and date before which Written queries for Pre-bid conference must be received.	Reserve Bank of India, Central Office, Department of Currency Management, Amar Building, 4th Floor, Sir P M Road, Fort, Mumbai - 400 001, India, by 1500 hours IST on or before August 3, 2017
xx	Place, Time and date	Reserve Bank of India, Central Office, Department

	before which registration of participants for pre-bid conference must be received	of Currency Management, Amar Building, 4th Floor, Sir P M Road, Fort, Mumbai - 400 001, India, by 1500 hours IST on or before August 2, 2017
xxi	Nominated Person/s and Designation to receive tenders (Clause 20.1 of GIT)	Mr. Naveen Kumar Chaudhary, Manager, Department of Currency Management and/or Mr Anirudha Rangnekar, Assistant Manager, Department of Currency Management, RBI
xxii	Officer to be contacted for clarifications/ help	Mr. Pankaja Kumar Nayak, General Manager, Department of Currency Management, RBI
xxiii	Name and Contact Details of Independent Monitor (s) for pre-bid/ pre-contract Integrity Pact (please refer to Clause 18, Special Instructions to Tenderers – SIT) for this tender	Mr. Jayant Kumar Banthia Office of the Chairman SICOM Solitaire Corporate Park, Building No 4, 7th Floor, Guru Hargovindji Road, Chakala, Andheri East, Mumbai 400093.

2. Interested Tenderers may obtain this Tender Document on payment of non-refundable fee of INR 100,000 (**Rupees One Hundred Thousand only**) in the form of an account payee demand draft drawn on any scheduled commercial bank in India, in favour of Reserve Bank of India and payable at Mumbai. The tender documents are not transferable.
3. Tenderers shall ensure that their tenders, duly sealed and signed, complete in all respects as per instructions contained in Tender Document, are dropped in the Tender box located at the address given above on or before the closing date and time indicated in the Table above, failing which the tenders will be treated as late and rejected. The Purchaser will not be responsible for any delays in receipt of the documents. Tenderer shall sign on all pages of the tender, as a token of acceptance of all terms and conditions of the tender.
4. Tenderer should not have been declared ineligible/ blacklisted/ banned/ debarred by any Government Agency anywhere in the world, for participating in its tenders, under that country's laws or official regulations. A declaration to this effect shall be submitted by the Tenderer.
5. Tenders can be rejected on national security ground.



6. In the event of any of the above mentioned dates being declared as a holiday/ non-working day for the Purchaser at the place of any event, that event shall be held on the next working day at the same appointed time.
7. The Purchaser reserves the right to accept/reject/cancel any or all tenders without assigning any reasons thereof. The Purchaser reserves the right to accept the tender in whole or in part without assigning any reason. Incomplete tender or tender not submitted in accordance with the terms and conditions prescribed in this Tender Document shall be liable for rejection.
8. As a part of Technical Bid evaluation, Tenderers will submit, on "No Cost No Commitment" (NCNC) basis, to the Purchaser, reports from central banks/ Monetary Authorities to which they have supplied currency verification and processing systems.
9. Tenderer/s also will be required to conduct bench mark testing, in the presence of representative/s of the Purchaser for evaluation of performance of the systems by the purchaser on "No Cost No Commitment" (NCNC) basis for evaluation and independent verification of the systems. Testing of the systems may be conducted at any site by the Purchaser at its discretion. However, the Purchaser may consult the Tenderer for this purpose. The Tenderer shall not have any objection or reservation for such evaluation by the purchaser.
10. Notwithstanding the aforesaid tests, the Purchaser reserves the right to conduct at its own cost, through its officials / or any other persons nominated by it, Factory Acceptance Test at the successful Tenderers' premises / factory before shipment of the systems to destination for installation.
11. The tender also envisages that the successful tenderer shall have to enter into an Annual Maintenance Contract (AMC) with the Purchaser for a period of four (04) years, after the expiry of three (03) years warranty period of the CVPS machines. The Tenderer shall quote in the Price Bid, his AMC rates per year per system for all inclusive (comprehensive) maintenance service inclusive of applicable taxes. The charges quoted for such AMC will be considered while evaluating the tender and the contract will be awarded on Total Cost of Ownership (TCO) basis as explained [in the clause G \(2.3\) of Section-II - GIT of the Tender document](#). The Tenderer shall furnish an undertaking

that they will maintain the CVPS for a minimum period of four (04) years from the date of expiry of warranty period at the AMC rate quoted by them in the tender towards all inclusive maintenance contract subject to only the Price Variation clause as specified in [the clause G \(2.5\) of Section –II - GIT of the Tender document](#). The AMC rates for subsequent years, if any, may be decided by mutual agreement. The Purchaser reserves the right to award the AMC to any third party after the completion of the warranty and AMC period of four (04) years.

12. The tender also envisages that the Tenderer shall ensure, without any additional charge, adaptation of the machines during the contract period of seven (07) years as and when such adaptation will be necessary on account of change in design / dimension/security features of Indian banknotes.
13. The Purchaser reserves its right to conclude Parallel contracts, with more than one Tenderer (for the same tender). A clause is included in GIT giving further details.
14. Tenderer shall note that the pre-contract integrity pact is required to be submitted by them and the same shall form part of the contract and will be valid for the tenure of the contract and extension of the contract, if any, thereafter.
15. The Bank Guarantee ( from SCB) submitted towards Earnest Money deposit has to be valid for the validity period of the tender plus additional 45 days as explained below:

Last date of receipt of tender	
Tender validity period	120 days i.e. at least up to December 22, 2017 (120 days from the opening of bid)
Validity of EMD	At least up to January 16, 2018. (165 days from the last date of submission)

16. The Tender submitted by any Tenderer may be declared unresponsive and rejected under the following circumstances:
  - i. Tender is unsigned.
  - ii. Tenderer is not eligible.
  - iii. Tender validity is shorter than the required period.
  - iv. Required EMD (Amount, Validity, etc.) has not been provided.

- v. Tenderer has quoted for goods manufactured by a different firm.
- vi. Tenderer has offered less than 35 machines.
- vii. Tenderer has not agreed to give the required performance security.
- viii. Goods offered are sub-standard, not meeting the required specification etc.
- ix. Tenderer has not agreed to essential condition(s) specially incorporated in the Tender Document.

#### 17. Guidelines for filling two part tender

The Tender shall be submitted in two parts. Part- I (Technical Bid) and Part- II (Price Bid) shall be submitted separately in two separate sealed covers. Part – I (Technical Bid) should contain the required Bank Guarantee (from SCB) towards EMD amount, technical details of the machines offered, related catalogues and brochures and annexes prescribed in this Tender Document. All the above mentioned documents should be signed and stamped on each page. **Tenders with Counter Conditions are liable for rejection.** The sealed cover containing the Technical Bid should be clearly superscribed with **“Part I – Technical Bid For the Supply, Installation, Commissioning and Testing and handing over of Currency Verification and Processing Systems at offices of Reserve Bank of India and maintenance thereof during and after the warranty period and providing all the concomitant Training/ Technical Support/ incidental services/ software/ accessories for operationalization of the machines.”**. Technical Bid should not contain any price indication of the CVPS Machines being offered. In case any Technical Bid contains price indication, the same will be summarily rejected.

- a) **Part II – (Price Bid)** should contain only the price schedule. The format provided in this Tender Document for price schedule should be followed and Price Bid submitted in any other format will be liable for rejection. The sealed cover containing the Price Bid should be clearly superscribed with **“Part – II - Price Bid For the Supply, Installation, Commissioning and Testing and handing over of Currency Verification and Processing Systems at offices of Reserve Bank of India and maintenance thereof during and after the warranty period and providing all the concomitant Training/ Technical Support/ incidental services/ software/ accessories for operationalization of the machines.”**
- b) The above mentioned sealed covers [Part- I (Technical Bid) & Part-II (Price Bid)] should be put in another big cover, sealed and superscribed as **“Offer For the Supply, Installation, Commissioning and Testing and handing over of Currency Verification and**

**Processing Systems at offices of Reserve Bank of India and maintenance thereof during and after the warranty period and providing all the concomitant Training/ Technical Support/ incidental services/ software/ accessories for operationalization of the machines, Due date of opening : August 24, 2017”** and should be addressed to “The Chief General Manager, Department of Currency Management, Reserve Bank of India, Central Office, Amar Building, Sir P M Road, Fort, Mumbai - 400001” and submitted before the cut-off date mentioned at (k) above.

**Important Note: Tenders submitted not in line with the above guidelines are liable for rejection.**

(P Vijaya Kumar)

Chief General Manager  
Reserve Bank of India  
Department of Currency Management  
Central Office  
Mumbai 400001  
India



## Section II: General Instructions to Tenderers (GIT)

### A PREAMBLE

#### 1. Introduction

- 1.1 Definitions and abbreviations, which have been used in these documents, shall have the same meanings as indicated in [Section-III Conditions of Contract](#).
- 1.2 This Tender Document has been issued for the requirements mentioned in [Section – IV - List of Requirements](#), which also indicates, inter-alia, the required delivery schedule and terms & place (i.e. destination) of delivery.
- 1.3 This section [Section II – General Instructions to Tenderers (GIT)] provides the relevant information as well as instructions to assist the prospective tenderers in preparation and submission of tender. It also includes the mode and procedure to be adopted for receipt and opening as well as scrutiny and evaluation of tenders and subsequent placement of contract. With this limited objective, this set of instructions to tenderers is not intended to be complete by itself and the entire document may be thoroughly studied before filling up the tender. There would be certain topics covered in this section as well as elsewhere in the document covering conditions of contract from different perspectives. In case of any conflict between these, provisions under conditions of contract would prevail.

#### 2. Language of Tender

The tender submitted by the tenderer and all subsequent correspondence and documents relating to the tender exchanged between the tenderer and Purchaser, shall be written in English language, unless otherwise specified in the Tender. However, the language of any printed literature furnished by the tenderer in connection with its tender may be written in any other language provided the same is accompanied by English translation. For purposes of interpretation of the tender, the English translation shall prevail.

#### 3. Eligible Tenderers

This invitation for tenders is open to only such tenderers who fulfil the eligibility criteria specified in these documents. Please refer to [Section VI: Qualification/ Eligibility Criteria](#)

#### 4. Tendering Expense

The tenderer shall bear all costs and expenditure incurred and/ or to be incurred by it in connection with its tender including its preparation, mailing and submission and providing of any further information, clarification, etc. if necessary during the process. Purchaser will, in no case be responsible or liable for any such cost, expenditure etc., regardless of the conduct or outcome of the tendering process.

### B TENDER DOCUMENT

#### 1. Contents of Tender Document

##### 1.1 The Tender Document includes:

- i. [Section I - Notice Inviting Tender \(NIT\)](#)
- ii. [Section II – General Instructions to Tenderers \(GIT\)](#)
- iii. [Section III - Conditions of Contract \(CC\)](#)
- iv. [Section IV - List of Requirements](#)
- v. [Section V- System Requirements and Major Technical Specifications](#)
- vi. [Section VI – Qualification/ Eligibility Criteria](#)
- vii. [Section VII - Tender Form](#)
- viii. [Section VIII- Price Schedule](#)
- ix. [Section IX - Bank Guarantee Form for EMD](#)
- x. [Section X - Bank Guarantee Form for Performance Security](#)
- xi. [Section XI - Contract Form](#)
- xii. [Section XII: Letter of Authority for attending a Bid Opening](#)
- xiii. [Section XIII: Proforma of Bills for Payments](#)
- xiv. [Section XIV: Declarations](#)
- xv. [Section XV: Pre- Contract Integrity Pact](#)

- 1.2** The relevant details of the required goods and services, the terms, conditions and procedure for tendering, tender evaluation, placement of contract, the applicable contract terms and, also, the standard formats to be used for this purpose are incorporated in the above-mentioned documents. The interested tenderers, before formulating the tender and submitting the same to Purchaser, should read and examine all the terms, conditions, instructions etc. contained in the Tender Document. Failure to provide and/ or to comply with the required information, instructions, etc. incorporated in the Tender Document may result in rejection of the tender.

## 2. Amendments to Tender Document

- 2.1 At any time, prior to the deadline for submission of tender, Purchaser may, for any reason deemed fit by it, modify the tender document by issuing suitable amendment(s) to it.
- 2.2 Such amendment/s will be notified in writing by registered/ speed post or by fax/ e-mail, to all prospective tenderers, who have purchased the Tender Document and the amendments will be binding on them.
- 2.3 In order to provide reasonable time to the prospective tenderers to take necessary action in preparing their tenders as per the amendment, Purchaser may, at its discretion extend the deadline for the submission of tenders and other allied time frames, which are linked with that deadline.

## 3. Pre-Bid conference

- 3.1 Prospective tenderers interested in participating in this tender are requested to attend a pre-bid conference for clarification on technical specifications and commercial conditions of the tender, at the venue, date and time specified in [NIT](#). Participation in the Pre-bid conference is restricted to prospective tenderers and their authorised representatives.
- 3.2 Participation in pre-bid conference is not mandatory, however, in case a tenderer chooses not to participate (or fails to do so) in the pre-bid conference, it would be assumed that he/she has no issues regarding the technical and commercial specifications and other terms and conditions.
- 3.3 The date and time by which the written queries for the Pre-bid must reach the Purchaser is mentioned in the [NIT](#).
- 3.4 The last date for registration for participation in the pre-bid conference is also mentioned in the [NIT](#).
- 3.5 Delegates coming for the pre-bid conference must bring with them a photo identity and also an authorization letter as per format in [Section XII: Letter of Authority for attending a Pre-Bid Conference/Bid Opening](#) from their Company/principals, else they would not be allowed to participate.

- 3.6** After the pre-bid, if required, a clarification letter would be issued containing amendments if any, to various provisions of the Tender Document, which shall form part of the Tender Document.

#### **4. Parallel Contract**

The Purchaser reserves its right to conclude Parallel contracts with more than one Tenderer (for the same tender). In such event, where there are three or more than three technically qualified bids, the parallel contract will be executed in the ratio of 50:30:20, wherein the L1 Tenderer will get 50% of the order and L2 and L3 will get 30% and 20% respectively subject to the condition that L2 and L3 accepts the price offered by L1. In case number of technically qualified bids are less than three, the parallel contract shall be in the ratio of 70:30 between L1 and L2 subject to the condition that L2 accepts the price offered by L1. Further, if number of technically qualified bids are more than three and in case only L2 or L3 or L4 accepts the L1 price, split between two Tenderers will be in the ratio of 70:30.

In case, none of the L2 /L3 / L4, as the case maybe, is willing to match the price offered by L1, the Purchaser reserves the right to place the entire order with the L1 bidder.

#### **5. Clarification on Tender Document**

A tenderer requiring any clarification or elucidation on any issue relating to the Tender Document may take up the same with the Purchaser in writing by letter or by fax / e-mail. Purchaser will respond in writing to such requests provided the same is received by Purchaser not later than the prescribed date of pre-bid conference. Copies of the query and clarification will be published in the website ([www.rbi.org.in](http://www.rbi.org.in)) of the Purchaser.

### **C PREPARATION OF TENDERS**

#### **1. Documents Comprising the Tender**

- 1.1** The tender to be submitted by Tenderer shall contain the following documents, duly filled in, as required:
- i. Tender Form ([Section VII](#)) and Price Schedule ([Section VIII](#)) along with list of deviations (reference Clause C (11) below) from the clauses of this tender document, if any.



- ii. [Section IV - List of Requirements](#), showing the quantities quoted by them for which Price Schedule are enclosed in the Price Bid. No pricing detail shall be disclosed or hinted upon in any manner in the Technical bid.
  - iii. Documentary evidence, as necessary in terms of GIT clauses **A (3)** and **C (7)** establishing that the tenderer is eligible to submit the tender and, also, qualified to perform the contract if its tender is accepted.
  - iv. Documents and relevant details to establish in accordance with **GIT, C (8)** that the goods and the allied services to be supplied by the tenderer conform to the requirement of the tender documents along with list of deviations if any (**reference clause C (8.2) of GIT**).
  - v. Earnest money amount (as mentioned in **Section IV – List of Requirements**) furnished in accordance with **GIT clause C (9)** of the tender document.
  - vi. Declarations as per **Section XIV**.
- 1.2** Scope of Supply: The Tenderer shall provide complete turnkey solution and Scope of Supply shall include, besides the CVPS Machines offered and the maintenance thereof during and after the warranty period, all the concomitant Training/ Technical Support/ incidental services/ software/ accessories, considered necessary to make the proposal self-contained and complete for operationalization of the machines. The scope will also include, in addition to adaptation during installation, additional adaptations of all denominations of Indian banknote as and when necessary and the Price quoted in price Bid for the machines should be inclusive of such services /accessories except the Annual Maintenance Charges post expiry of warranty period.
- 1.3** Cost of CVPS Machines must be inclusive of all incidental services/ Accessories which are part of the scope of supply. Price quoted in price Bid for the CVPS Machines should be inclusive of such services /accessories.
- 1.4** A tender, that does not comply with any of the above requirements and/or gives evasive information/reply against any such requirement, shall be liable to be ignored and rejected

**Note 1:** The tenderers shall also enclose in their technical bids, technical literature and other documents as and if considered necessary by them.

**Note 2:** Complete technical details including processing speed, mechanical / electrical / electronic devices, counterfeit note testing capabilities, capabilities to detect fit / unfit / mutilated / built-up notes, software systems and security, capability of integration with a IT

Network with adequate firewalling, MIS system, data security / retrieval, amenability to different dimensions / types of substrates of bank notes, compatibility with sensors of other OEMs, sharing the technical protocols with third parties at the behest of Purchaser/ feasibility of adoption etc., of the offered machines and/or associated technology should be submitted. Certificate obtained from any internationally reputed laboratory /institution/ client / central bank in this respect, if any, may also be furnished.

1.5 Tender sent by post/fax/email will be ignored.

## 2. Tender currencies

The unit price of the CVPS Machines and price of AMC shall be quoted in Indian Rupees (INR) only. Tenders, where prices are quoted in any other currency shall be treated as unresponsive and rejected.

## 3. Tender Prices

3.1 The Tenderer shall indicate on the Price Schedule provided under Section VIII all the specified components of prices shown therein including the unit prices and total tender prices of the goods and services it proposes to supply against the requirement. All the columns shown in the price schedule should be filled up as required. If any column does not apply to a tenderer, same should be clarified accordingly by the tenderer.

3.2 All equipment/components shall be delivered on DDP (Delivery Duty Paid) basis at the site of installation. The price has to be quoted accordingly.

Tenderer is to quote:

- i. Quantity offered, i.e. Number of CVPS Machines
- ii. Price of each CVPS Machine, inclusive of taxes and duties, and if applicable, details of cost of services and man power cost.
- iii. Power Rating/Consumption (KWH) of the machine
- iv. The per machine all-inclusive cost of Comprehensive Annual Maintenance Contract, after the warranty period.

## 3.3 Sales Tax/ VAT/ CST/ GST:

If a tenderer asks for sales tax/ VAT/ CST/ GST, as applicable, to be paid extra, the rate and nature of such taxes applicable should be shown separately. Such taxes will be paid as per the rate at which it is liable to be assessed or has actually been

assessed provided the transaction of sale is legally liable to such taxes and is payable as per the terms of the contract.

### **3.4 Octroi and Local Taxes:**

Unless otherwise stated in the IT, the goods supplied against contracts placed by Purchaser are not exempted from levy, if any, of Town Duty, Octroi Duty, Terminal Tax and other Levies of local bodies. In such cases, the supplier should make the payment to avoid delay in supplies and forward the receipt of the same to the purchasing department for reimbursement and, also, for further necessary action.

In cases where exemption is available, suppliers should obtain the exemption certificate from the purchasing department to avoid payment of such levies and taxes.

### **3.5 Duties/ Taxes on Raw Materials**

Purchaser is not liable for any claim from the supplier on account of fresh imposition and/or increase (including statutory increase) of excise duty, custom duty, sales tax etc. on raw materials and/or components used directly in the manufacture of the contracted goods taking place during the pendency of the contract, unless such liability is specifically agreed to in terms of the contract.

## **4. Agent**

Agents are not allowed for this tender. Only the principal manufacturer can bid for supply of machines.

## **5. Firm Price / Variable Price**

Prices quoted by the tenderer shall remain firm and fixed during the tenure of the contract and not subject to any variation on any account.

## **6. Alternative Tenders**

Unless otherwise specified in the schedule of requirements, alternative tenders shall not be considered.

## **7. Documents Establishing Tenderer's Eligibility and Qualifications**

- 7.1** Tenderer shall furnish, as part of the tender, relevant details and documents establishing its eligibility to quote and its qualifications to perform the contract if its tender is accepted.
- 7.2** The documentary evidence needed to establish the tenderer's qualifications shall fulfil the following requirements:
- i. Only the eligible manufacturers are to quote directly.
  - ii. The tenderer has the required financial, technical and production capability necessary to perform the contract and, further, it meets the qualification criteria incorporated in the [Section VI](#) in these documents.
- 8. Documents establishing Good's Conformity to Tender document**
- 8.1** The tenderer shall provide in its tender the required as well as the relevant documents like technical data, literature, drawings etc. to establish that the goods and services offered in the tender fully conform to the goods and services specified by Purchaser in the tender documents. For this purpose the tenderer shall also provide a clause-by-clause commentary on the technical specifications and other technical details incorporated by Purchaser in the Tender Document to establish technical responsiveness of the goods and services offered in its tender.
- 8.2** In case there is any variation and/ or deviation between the goods & services prescribed by Purchaser and that offered by the tenderer, the tenderer shall list out the same in a chart form without ambiguity along with justification, and provide the same along with its tender.
- 8.3** If a tenderer furnishes wrong and/ or misleading data, statement(s) etc. about technical acceptability of the goods and services offered by it, its tender will be liable to be ignored and rejected in addition to other remedies available to Purchaser in this regard.
- 9. Earnest Money Deposit (EMD)**
- 9.1** The tenderer shall furnish along with its tender, earnest money for amount as shown in the [Section IV - List of Requirements](#). The earnest money is required to protect Purchaser against the risk of the tenderer's unwarranted conduct.
- 9.2** The earnest money shall be denominated in **Indian Rupees**.
- 9.3** EMD amount mentioned in [Sections I](#) and [IV – List of Requirements](#)- shall be furnished by way of irrevocable Bank Guarantee in favour of Reserve Bank of India,

otherwise the tender will not be accepted in any case. It shall be provided by any scheduled commercial bank in India as per the format specified under [Section IX](#) in this Tender Document. In case, a Tenderer fails to fulfil the EMD requirement, the bid will be liable for rejection.

- 9.4** The earnest money shall be valid for a period of forty five (45) days beyond the validity period of the tender as mentioned at [clause 14 of Section I](#).
- 9.5** Unsuccessful tenderers' earnest money will be returned to them without any interest, after expiry of the tender validity period, but not later than thirty days after conclusion of the resultant contract. Successful tenderer's earnest money will be returned without any interest, after receipt of performance security from that tenderer.
- 9.6** Earnest money of a tenderer will be forfeited by invoking the Bank Guarantee, if the tenderer withdraws or amends its tender or impairs or derogates from the tender in any respect within the period of validity of its tender. The successful tenderer's earnest money will be forfeited by invoking the Bank Guarantee if it fails to furnish the required performance security within the specified period. In addition, the EMD shall also be liable to be forfeited by invoking the Bank Guarantee if the Tenderer or any one employed by it or acting on its behalf (whether with or without the knowledge of the Tenderer) breaches any of the provisions of the pre-bid/Pre-contract Integrity Pact.

## **10. Tender Validity**

- 10.1** The tenders shall remain valid for acceptance for a period of 120 days (One Hundred and Twenty days) after the date of opening the bid as prescribed in the tender document. Any tender valid for a shorter period shall be treated as unresponsive and rejected.
- 10.2** In exceptional cases, the tenderers may be requested by Purchaser to extend the validity of their tenders up to a specified period. Such request(s) and responses thereto shall be conveyed by any of the accepted modes of communications such as post, Fax, email etc. The tenderers, who agree to extend the tender validity, are to extend the same without any change or modification of their original tender and they are also to extend the validity period of the EMD accordingly.

**10.3** In case the day till when the tenders are to remain valid falls on/ subsequently declared a holiday or closed day for Purchaser, the tender validity shall automatically be extended till the next working day.

## **11. Compliance with the Clauses of this Tender Document**

Tenderer must comply with all the clauses of this Tender Document. In case there are any deviations, these should be listed in a chart form without any ambiguity along with justification.

## **12. Signing and Sealing of Tender**

**12.1** An authenticated copy of the document which authorizes the signatory to commit on behalf of the firm shall accompany the tender. The individual signing the tender or any other documents connected therewith should clearly indicate his full name and designation and also specify whether he is signing as:

- i. Sole Proprietor of the concern or as attorney of the Sole Proprietor; or
- ii. Partner (s) of the firm; or
- iii. Director, Manager or Secretary in case of Limited Company duly authorized by a resolution passed by the Board of Directors or in pursuance of the Authority conferred by Memorandum of Association.

**12.2** The authorized signatory of the tenderer must sign the tender at appropriate places and initial the remaining pages of the tender.

**12.3** The tenderers shall submit their tenders as per the instructions contained in **GIT Clause C (1)**.

**12.4** A tenderer shall submit one original copy of the tender along with two additional copies and a CD containing its softcopy. The tender shall either be typed or written in indelible ink and the same shall be signed by the tenderer or by a person(s) who has been duly authorized to bind the tenderer to the contract. The letter of authorization shall be by a written power of attorney, which shall also be furnished along with the tender. In case of any dispute, the content of the original copy will be reckoned.

**12.5** All the copies of the tender shall be duly signed at the appropriate places as indicated in the tender documents and all other pages of the tender including printed literature, if any shall be initialled by the same person(s) signing the tender. The tender shall not contain any erasure or overwriting, except as necessary to

correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.

- 12.6** The tenderer is required to seal the original and each copy of the tender in separate envelopes, duly marking the envelop as well as tender document as “Original”, “Duplicate-1” and “Duplicate-2”. In case of difference between Original and Duplicates, the submissions in the Original will prevail. Pricing details should not be mentioned or hinted at in any manner in the “Technical Bid”. In the “Price Bid” there should not be any extra information connected with Technical suitability of the offer- which has not been already disclosed in the technical bid.

## **D. SUBMISSION OF TENDERS**

### **1. Submission of Tenders**

- 1.1** Tenderers shall ensure that their tenders, duly sealed and signed, complete in all respects as per instructions contained in the Tender Documents, are dropped in the tender box located at the address, in the presence of the designated official/s, on or before the closing date and time as indicated in the NIT, failing which the tenders will be treated as late and rejected.

- 1.2** The tenderers must ensure that they deposit their tenders not later than the closing time and date specified for submission of tenders. In the event of the specified date for submission of tender falls on / is subsequently declared a holiday or closed day for Purchaser, the tenders will be received up to the appointed time on the next working day.

### **2. Late Tender**

A tender, which is received after the specified date and time for receipt of tenders will be treated as “late” tender and will be ignored.

### **3. Alteration and Withdrawal of Tender**

- 3.1** The tenderer, after submitting its tender, is permitted to alter / modify its tender so long as such alterations / modifications are received duly signed, sealed and marked like the original tender, within the deadline for submission of tenders. Alterations / modifications to tenders received after the prescribed deadline will not be considered.

- 3.2** No tender should be withdrawn after the deadline for submission of tender and before expiry of the tender validity period. If a tenderer withdraws the tender during this period, it will result in forfeiture of the earnest money furnished by the tenderer in its tender besides other sanctions by Purchaser.

## **E. TENDER OPENING**

### **1. Opening of Tenders**

- 1.1** Purchaser will open the tenders at the specified date and time and at the specified place as indicated in [Section –I NIT](#). In case the specified date of tender opening falls on / is subsequently declared a holiday or closed day for Purchaser, the tenders will be opened at the appointed time and place on the next working day.
- 1.2** Authorized representatives of the tenderers, who have submitted tenders on time may attend the tender opening, provided they bring with them letters of authority as per the [format in Section XIII](#) from the corresponding tenderers. The tender opening official(s) will prepare a list of the representatives attending the tender opening. The list will contain the representatives' names & signatures and corresponding tenderers' names and addresses.
- 1.3** As the tender involves a two bid system as mentioned in **Clause C (12) of GIT**, the technical bids will be opened in the first instance, at the prescribed time and date. These bids shall be scrutinized and evaluated by the Purchaser with reference to parameters prescribed in the tender document. Thereafter, in the second stage, the financial bids of only the technically acceptable offers (as decided in the first stage) shall be opened for further scrutiny and evaluation. Other financial bids would be returned unopened to the respective Tenderers under Registered AD/ Courier or any other mode with proof of delivery.
- 1.4** During the tender opening, the tender opening official(s) will read the salient features of the tenders like description of the goods offered, price / special discount if any (during opening of price bids of the technically eligible Tenderers), delivery period, whether earnest money furnished or not and any other special features of the tenders, as deemed fit by the tender opening official(s).

## **F. SCRUTINY AND EVALUATION OF TENDERS**



## 1. **Basic Principle**

Tenders will be evaluated on the basis of the terms & conditions already incorporated in the tender document, based on which tenders have been received and the terms, conditions, etc. mentioned by the tenderers in their tenders. No new condition will be brought in while scrutinizing and evaluating the tenders.

## 2. **Preliminary Scrutiny of Tenders**

**2.1** The tenders will first be scrutinized to determine whether they are complete and meet the essential and important requirements, conditions, etc. as prescribed in the tender document. The tenders, that do not meet the basic requirements, are liable to be treated as unresponsive and ignored.

### **2.2 The following are some of the important aspects, for which a tender may be declared unresponsive and ignored;**

- i. Tender is unsigned.
- ii. Tenderer is not eligible.
- iii. Tender validity is shorter than the required period.
- iv. Required EMD (Amount, Validity etc.,) has not been provided.
- v. Tenderer has quoted for goods manufactured by a different firm.
- vi. Tenderer has not agreed to give the required performance security.
- vii. Goods offered are sub-standard, not meeting the required specification etc.
- viii. Tenderer has not agreed to essential condition(s) specially incorporated in the tender enquiry.
- ix. Against a schedule in the List of Requirement (incorporated in the tender enquiry), the Tenderer has not quoted for the requirement as specified in that schedule

## 3. **Minor Infirmary/ Irregularity/ Non-Conformity**

Minor infirmity can be defined as infirmity / irregularity / non-conformity which is not having any material impact on the tender and that such discrepancy will not result in non-compliance with eligibility criteria and / or evaluation of technical and/or price bid.

If during the preliminary examination, Purchaser finds any minor infirmity and/ or irregularity and/ or non-conformity in a tender, Purchaser may waive the same provided it does not constitute any material deviation and financial impact on the tender and, also, does not prejudice or affect the ranking order of the tenderers. Wherever necessary, Purchaser will convey its observation on such 'minor' issues

to the tenderer by registered/ speed post etc. asking the tenderer to respond by a specified date. If the tenderer does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.

#### **4. Discrepancy in Prices**

**4.1** Price has to be quoted only in Indian Rupees. Tenders where price has been quoted in any other currency is liable to be rejected.

**4.2** If, in the price structure quoted by a tenderer, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless Purchaser feels that the tenderer has made a mistake in placing the decimal point in the unit price, in which case the total price as quoted shall prevail over the unit price and the unit price corrected accordingly.

**4.3** If there is an error in a total price, which has been worked out through addition and/ or subtraction of subtotals, the subtotals shall prevail and the total corrected; and

**4.4** If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail, subject to **Sub Clause 4.1 and 4.2 above**.

**4.5** If, as per the judgment of Purchaser, there is any such arithmetical discrepancy in a tender, the same will be suitably conveyed to the tenderer by registered / speed post. If the tenderer does not agree to the observation of Purchaser, the tender is liable to be ignored.

#### **5. Discrepancy between original and copies of Tender**

In case any discrepancy is observed between the text, etc. of the original copy and that in the other copies of the same tender set, the text, etc. of the original copy shall prevail. Here also, Purchaser will convey its observation suitably to the tenderer by register / speed post and, if the tenderer does not offer satisfactory clarification or rectify, that tender will be liable to be ignored.

#### **6. Clarification of Bids**

During evaluation and comparison of bids, Purchaser may, at its discretion ask the Tenderer for clarification of its bid. The clarification should be received within seven (07) days from the Tenderer from date of issue of such request by the Purchaser. The request for clarification shall be in writing and no change in prices or substance

of the bid shall be sought, offered or permitted. No post bid clarification at the initiative of the Tenderer shall be entertained.

**7. Qualification/ Eligibility Criteria**

Tenders of the tenderers, who do not meet the required qualification/ eligibility criteria prescribed in [Section VI](#) will be treated as unresponsive and will not be considered further.

**8. Delivered Duty Paid**

All equipment/components shall be delivered on DDP (Delivered Duty Paid) basis at the site of installation. The comparison of responsive tenders shall be on Total Cost of Ownership (TCO) basis.

**9. Tenderer's capability to perform the contract**

Purchaser, through the process of tender scrutiny and tender evaluation, will determine to its satisfaction whether the tenderer, whose tender has been determined as the lowest evaluated responsive tender is eligible, qualified and capable in all respects to perform the contract satisfactorily. The above mentioned determination will, inter-alia, take into account the tenderer's financial, technical and production capabilities for satisfying all the requirements of Purchaser as incorporated in the tender document. Such determination will be based upon scrutiny and examination of all relevant data and details submitted by the tenderer in its tender as well as such other allied information as deemed appropriate by Purchaser.

**10. Additional Factors and Parameters for Evaluation and Ranking of Responsive Tenders**

Further to **GIT Clause F (9)** above, Purchaser's evaluation of a tender will include and take into account comparison of the effective price among the Tenderers on Total cost of ownership (TCO) basis by also taking into account the price for post warranty annual maintenance contract.

**G. Evaluation Process**

**1. Evaluation of Technical Bid**

**1.1 Technical bid evaluation - Process**

- i. Technical Proposals received will be opened in the presence of authorized representatives of the Tenderers on the date /time specified in **Section - I NIT** of the Tender Document.
- ii. The Technical Bids will be evaluated by the Purchaser and, in the first instance, be examined to ascertain fulfillment of eligibility criteria and submission of required documents mentioned in **Section VI** of the tender document.
- iii. Tenderer/s also will be required to conduct bench mark testing, in the presence of representative/s of the Purchaser for evaluation of performance of the systems by the purchaser on "No Cost No Commitment" (NCNC) basis for evaluation and independent verification of the systems. Testing of the systems may be conducted at any site by the Purchaser at its discretion. However, the Purchaser may consult the Tenderer for this purpose. The Tenderer will not have any objection to or reservation on such evaluation by the purchaser.
- iv. CVPS machines of same make and model supplied by the Tenderer to any other customer will be physically verified by the authorised official (s) of the Purchaser to ascertain whether they are meeting the technical specification as indicated in **Section V**. The Tenderer will make necessary arrangements in this regard. **Costs relating to the Air Travel, Boarding, Lodging and any payable allowances of the evaluating officials of Purchaser shall be borne by the Purchaser.**
- v. The Purchaser will evaluate the Technical Proposals on the basis of the technical evaluation criterion is in Annex (II):

## **1.2 Technical bid evaluation - Criteria**

### **1.2.1** Technical evaluation of the Tenders will be as under:

- i. Tenderer shall meet all the requirements as indicated in the Eligibility Criteria at Section VI.
- ii. The tender shall meet all the Major technical specifications as indicated in Section V.
- iii. The tender shall comply with the benchmarks set in the **Annex (II) at Para (v)** above on testing and/or certification basis, as necessary and should score equal to or more than total minimum score of 135 and also achieve minimum marks set for each parameter for qualification.

### **1.2.2** In the Technical Evaluation, the bids will be classified into two categories: eligible and ineligible. Those tenders which qualifies all the above indicated evaluations, shall be categorised as eligible bid and such bids only will be considered for financial evaluation.

**1.2.3** No extra credit will be given to any Tenderer for providing machines of higher specification / additional features / services than the minimum prescribed in this Tender Document.

**1.2.4** The decision of the purchaser in this evaluation is final and binding on the Tenderer and the Tenderer has to accept the result of such evaluation without any objection/reservation.

## **2. Evaluation of Financial Bid**

### **2.1 Qualification for Financial Bid opening**

Tenderer/s should have qualified in requirements as defined in **Para G – 1.2** above.

### **2.2 Other terms & conditions**

- i. The Financial Bids will be opened on the prescribed date in the presence of Tenderers or their authorized representatives.
- ii. Only fixed price financial bids indicating total price for all the deliverables and services specified in this bid document will be considered. The Financial Bid shall contain prices in Indian Rupees only with detailed break-up of price as per format annexed both in figures and words. No other enclosure is permitted in Financial Bid. Tender in which prices are quoted in any other currency will not be considered.
- iii. This contract is a lump sum contract for supply, installation, commissioning, testing and handing over of Currency Verification & Processing Systems at various Regional offices of the Reserve Bank of India. Accordingly, the Tenderer shall quote a lump sum amount for the systems.
- iv. The prices quoted for supply of equipment shall be deemed to have included all taxes and duties, local levies in the country of origin and shipment, packing, freight from the factory to the destination site, insurance, handling, clearing etc. charges and installation and commissioning charges, workmen compensation and third party liability etc. till the CVPS machines are finally handed over to the Bank. Taxes as applicable will be deducted at source, if required under the Indian laws and a certificate to this effect will be issued.
- v. Change of terms and conditions and technical deviations, if any, found in Financial Bid of the tender will not be taken into account and will be taken as null and void.
- vi. The prices shall be firm and binding without any escalation whatsoever till the system is handed over to the Bank.
- vii. **Errors & Rectification:** Arithmetical errors will be rectified on the following basis

- a. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected.
- b. If there is a discrepancy between words and figures, the amount in words will prevail.
- c. If there is no price quoted for certain material or service, the bid shall be declared as disqualified.

**2.3** The financial bids of the tenders will be evaluated based on Total cost of ownership (TCO) by using Net Present Value (NPV) method. Calculation of total cost of ownership shall include the following:

- i. The capital cost **on DDP basis** quoted in respect of an unit of CVPS machine (**X**) and
- ii. Rates quoted for (AMC) comprehensive all inclusive Annual Maintenance Contract for a period of four (04) years after expiry of warranty period of three (03) years (**Y**) and
- iii. Power consumption per machine for the next 7 years in kwh (**Z**)

**2.4** For arriving at the Net Present Value Factor, the following will be considered:

a) AMC

i	Contract Cycle	07 years
ii	Annual escalation for AMC rates two years after warranty	Nil
iii	Annual escalation for AMC rates for further period of two years	5% p.a.(*)
iv	Discount Factor	8% p.a.

(\*) The rate of 5% is only for theoretical evaluation for calculation of NPV. Actual escalation/renewal of AMC rates will be as per the formula indicated in Para 2.5 below

b) Power Consumption

i	Contract Cycle	07 years
ii.	Number of operating hours per year	2000
iii	Base Rate of Energy	Rs 8 per kwh
iv	Discount Factor	8% p.a.

$$\text{TCO per machine} = X + 2.72 (Y) + 5.23(7*2000*8*Z)$$

**2.5 Renewal of AMC rates:**

The rate for renewal of AMC will be calculated on the basis of the following formula:

$$A_c = A_p \{10+65 \times (EPI_c / EPI_p) + 25 \times (CPI_c / CPI_p)\} \times 1/100$$

Where

$A_c$  = CVPS maintenance amount for the current year.

$A_p$  = CVPS maintenance amount for the previous year.

$EPI_c$  = Wholesale Price Index for Electrical Apparatus, appliances & parts 6 months prior to the commencement date of contract for the current year.

$EPI_p$  = Wholesale Price Index for Electrical Apparatus, appliances & parts 6 months prior to the commencement date of contract for the previous year.

$CPI_c$  = Consumer Price Index for Industrial Workers (All India Average) 6 months prior to the commencement date of contract for the current year .

$CPI_p$  = Consumer Price Index for Industrial Workers (All India Average) 6 months prior to the commencement date of contract for the previous year .

- 2.6** The TCO per machine will be the sum total of all inclusive cost of per machine, plus comprehensive AMC Cost plus cost of power consumption.

$$\text{TCO per machine} = X + 2.72 (Y) + 5.23(7*2000*8*Z)$$

- 2.7** The technically qualified Tenderers with the lowest TCO, will be the L1 Tenderer. In case of a tie i.e. TCO of two bidders is same, in such case L1 will be decided on the basis of Total Marks scored in Technical Evaluation.

- 2.8** The tenderer shall furnish an undertaking, as per the enclosed proforma that they will maintain the CVPS for a minimum period of four (04) years from the date of expiry of warranty period at the rate quoted by them in the tender towards all inclusive maintenance contract subject to only the Price Variation clause as specified in the tender.

- 2.9** The tenderer shall ensure that all contract labour employed for AMC etc. are paid not less than the Minimum Wages as stipulated under the various acts in force including "The Contract Labour (Regulation & Abolition) Act, 1971" and the rules made thereunder. The Bank will not entertain any dispute in this regard and all such matters will be the responsibility of the tenderer.

### **3. Cartel Formation/ Pool Rates**

Cartel formation or quotation of Pool/ Co-ordinated rates, leading to "Appreciable Adverse Effect on Competition" (AAEC) as identified in Competition Act, 2002, as amended by Competition (Amendment) Act, 2007, would be considered as a serious misdemeanour and would be dealt with accordingly.

#### **4. Negotiations**

Normally there would be no price negotiations. However, Purchaser reserves its right to negotiate with the lowest acceptable Tenderer (L1), who is technically cleared/approved for supply of bulk quantity and on whom the contract would have been placed but for the decision to negotiate, under special circumstances in accordance with CVC guidelines.

#### **5. Contacting Purchaser**

**5.1** From the time of submission of tender to the time of awarding the contract, if a tenderer needs to contact Purchaser for any reason relating to this tender enquiry and / or its tender, it should do so only in writing.

**5.2** It will be treated as a serious misdemeanour in case a tenderer attempts to influence Purchaser's decision on scrutiny, comparison, evaluation and award of the contracts. In such a case the tender of the tenderer shall be liable for rejection in addition to appropriate administrative actions being taken against that tenderer, as deemed fit by Purchaser.

### **H. AWARD OF CONTRACT**

#### **1. Purchaser's Right to Accept any Tender and to Reject any or All Tenders**

Purchaser reserves the right to accept in part or in full any tender or reject any tender without assigning any reason or cancel the tendering process and reject all tenders at any time prior to award of contract, without incurring any liability, whatsoever to the affected tenderer or tenderers.

#### **2. National Security Considerations**

The purchaser also reserves its right to summarily reject offers received from any Tenderer, on National Security consideration.

#### **3. Award Criteria**

Subject to **GIT Clause C (1)** above, the contract will be awarded to the lowest evaluated responsive tenderer decided by Purchaser in terms of **GIT Clause G (2.6)**.

#### **4. Serious Misdemeanours**

**4.1** Following would be considered serious misdemeanours:



- i. Submission of misleading/ false/ fraudulent information/ documents by the tenderer in their bid
  - ii. Submission of fraudulent/ un-cashable Financial Instruments stipulated under Tender or Contract Condition.
  - iii. Violation of Code of Ethics laid down in Conditions of Contract.
  - iv. Cartel formation or quotation of Pool/ Co-ordinated rates leading to “Appreciable Adverse Effect on Competition” (AAEC) as identified under the Competition Act, 2002.
  - v. Deliberate attempts to pass off inferior goods or short quantities.
  - vi. Violation of Fall Clause by Rate Contract holding Firms.
  - vii. Attempts to influence Purchaser’s Decisions on scrutiny, comparison, evaluation and award of Tender.
  - viii. Breaches of any of the provisions of the pre-bid/ Pre-contract Integrity Pact by the Tenderer or any one employed by it or acting on its behalf (whether with or without the knowledge of the tenderer).
- 4.2** Besides, suitable administrative actions, like rejecting the offers or delisting of registered firms, Purchaser would ban/ blacklist Tenderers committing such misdemeanour, including declaring them ineligible to be awarded Purchaser contracts for indefinite or for a stated period.
- 5. Notification of Award**
- 5.1** Before expiry of the tender validity period, Purchaser will notify the successful tenderer(s) in writing through Letter of Intent (LOI), by registered / speed post or by fax/email (to be confirmed by registered / speed post) that its tender for goods & services, which have been selected by Purchaser, has been accepted, also briefly indicating therein the essential details like description, specification and quantity of the goods & services and corresponding prices accepted. The successful Tenderer shall confirm acceptance of the terms and conditions of LOI, within 10 working days from the date of LOI.
- 5.2** The successful tenderer must furnish to Purchaser the required performance security within twenty one days from the date of this notification. Relevant details about the performance security have been provided under Section III Conditions of Contract.
- 5.3** The successful Tenderer besides furnishing to the Purchaser, required Performance Security, must also sign an Agreement with RBI, within twenty-one (21) days from the date of notification of LOI.

**5.4** The notification of award shall constitute the conclusion of the contract. The Contract shall come into effect from the date of acceptance of Letter of Intent (LOI) by the successful tenderer.

## **6. Signing of Contract**

**6.1** Within seven working days of receipt of performance security, Purchaser will send the contract form (an illustration of which is provided at Section XI) duly completed and signed, in duplicate, to the successful tenderer by hand delivery/registered / speed post. The Bidders may note that the Purchaser reserved the right to include other terms and conditions in the Contract, to be signed off, in mutual consultation with the bidder.

**6.2** Within seven days from the date of issue of the contract, the successful tenderer will return the original copy of the contract, duly signed and dated, to Purchaser by hand delivery / registered / speed post.

**6.3** On signing of contract by both the parties, the purchaser, will arrange to stamp the contract/ instrument as per the appropriate value as applicable. Stamp duty will be paid by the purchaser.

## **7. Non-receipt of Performance Security and Contract by Purchaser**

Failure of the successful tenderer in providing performance security within 21 days of receipt of notification of award and / or returning contract copy duly signed in terms of **GIT clauses H (5 and 6)** above shall make the tenderer liable for forfeiture of its EMD and, also, for further sanctions by Purchaser against it.

## **8. Return of EMD**

The earnest money of the successful tenderer and the unsuccessful tenderers will be returned to them without any interest, whatsoever, in terms of **GIT Clause C (9)**.

## **9. Delivery terms**

- i. Time of delivery shall be firm and binding. The completion of the project shall be within a period of **twelve (12) month** from the effective date, as defined in **Clause 1.1 (xxvii) of Section III**, of the contract.

- ii. A bar chart indicating the delivery schedule, time required for installation and commissioning of machines in India shall be submitted by the tenderer and the same shall also be firm and binding.
- iii. The successful tenderer shall co-ordinate the activities relating to provision of infrastructural facilities within the scope of the Bank. Such facilities shall be specifically listed out by the tenderer at the time of submission of the tender and the same may be incorporated in the bar chart **(GIT clause C (8))**.
- iv. In the event that the Successful Tenderer fails to deliver the offered CVPS machines specified in the supply order within the period set forth in the schedule of delivery as described therein, the Successful Tenderer shall be liable to pay Liquidated Damages in accordance with the terms and conditions of this tender **(Clause 21 of CC)**.
- v. The Purchaser reserve the right to conduct pre-despatch inspection of the offered machines through Factory Acceptance Test to ensure that the final product conforms to the technical specifications as per the terms and conditions of this tender. Costs relating to the Air Travel, Boarding, Lodging and any payable allowances of the Inspecting officials shall be borne by the Purchaser.

## **10. Technical Assistance**

- 10.1** The machines shall be inspected on receipt at site and the Tenderer shall be responsible for any damage during the transit of the machines/equipment.
- 10.2** The tenderer shall not arrange part shipments and /or tran-shipments without permission of the purchaser. The insurance cover including insuring the goods against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery/installation and commissioning shall be obtained by the Tenderer in his own name and not in the name of purchaser. The purchaser will as soon as possible but not later than 30 days from the date of arrival of goods at destination shall notify the Tenderer of any loss or damage to the goods.

## **11. Performance Security**

Value of Performance Security would be as stipulated in the General Conditions of the Contract (GCC). Performance Security shall, however, not be demanded again in the individual supply orders issued subsequently against rate contracts.

**12. Patent and License Rights**

The tenderer must indicate explicitly all Patents and Licenses held by them for the parts / equipment / sensors / software, etc. being part of the CVPS. The Tenderer shall also submit the reference numbers, period and countries of validity and restrictions if any regarding such Patents and Licences. Successful Tenderers shall, without any extra charge, provide to the Purchaser free, unencumbered, unfettered, un-monitored exclusive rights/license. If necessary, they must submit copies of all relevant patents and licenses in their bids. Patents and licenses in the context of this clause shall include product, process, surrogate or any other relevant patent or license.

**13. Integrity Pact:**

Tenderer shall note that the pre-contract integrity pact submitted by them alongwith the bid will be valid for the tenure of the contract and extension of the contract, if any, thereafter. Name and contact details of the Independent External Monitor for this Tender are listed in Para 1 of Notice Inviting Tender (NIT)

**14.** Tenderer while providing the address should also mention email id, wherever applicable.



### Section III: Conditions of Contract (CC)

#### 1. Definitions; Interpretation and Abbreviations:

In the contract, unless the context otherwise requires:

##### 1.1 Definitions and Interpretation:

- (i) "Contract" means the letter or memorandum communicating to the Tenderer the acceptance of this tender and includes "Intimation of Award" of his tender; "Contract" includes Bid Invitation, Instructions to Tenderers, Tender, Acceptance of Tender, General Conditions of Contract, Schedule of Requirements, particulars and the other conditions specified in the acceptance of tender and includes a repeat order which has been accepted or acted upon by the Tenderer and a formal agreement, if executed;
- (ii) "Tenderer" or "Supplier" means the individual or the firm supplying the goods and services. The term includes his employees, agents, successors, authorized dealers, stockists and distributors. Other homologous terms are: Vendor, Firm, Manufacturer, OEM etc.;
- (iii) "Drawing" means the drawing or drawings specified in or annexed to the Specifications;
- (iv) "Government" means the Central Government or a State Government as the case may be;
- (v) The "Inspecting Officer" means the person, or organisation specified in the contract for the purpose of inspection of **CVPS machines** under the contract and includes his/their authorised representative;
- (vi) "Purchase Officer" means the officer signing the acceptance of tender and includes any officer who has authority to execute the relevant contract on behalf of the Purchaser;
- (vii) The "Purchaser" means – the organization purchasing goods and services as incorporated in the documents;
- (viii) "Signed" includes stamped, except in the case of an acceptance of tender or any amendment thereof;
- (ix) "Test" means such test as is prescribed by the particulars or considered necessary by the Inspecting Officer whether performed or made by the Inspecting Officer or any agency acting under the direction of the Inspecting Officer;
- (x) The delivery of the stores shall be deemed to take place—in accordance with the terms of the contract, after approval by the Inspecting Officer if so provided in the contract —
  - a. The consignee at his premises; or

- b. Where so provided, the interim consignee at his premises; or
  - c. A carrier or other person named in the contract for the purpose of transmission to the consignee: or
  - d. The consignee at the destination station in case of contract stipulating for delivery of stores at destination station.
- (xi) "Writing" or "Written" includes matter either in whole or in part, in manuscript, typewritten, lithographed, cyclostyled, photographed or printed under or over signature or seal, as the case may be.
- (xii) Words in the singular include the plural and vice-versa.
- (xiii) Words importing the masculine gender shall be taken to include the feminine gender and words importing persons shall include any company or association or body of individuals, whether incorporated or not.
- (xiv) The heading of these conditions shall not affect the interpretation or construction thereof.
- (xv) Terms and expression not herein defined shall have the meanings assigned to them in the Indian Sale of Goods Act, 1930 (as amended) or the Indian Contract Act, 1872 (as amended) or the General Clauses Act, 1897 (as amended) as the case may be.
- (xvi) **PARTIES:** The parties to the contract are the "Tenderer" and the "Purchaser", as defined above;
- (xvii) "Tender" means quotation / bid received from a firm / supplier.
- (xviii) "Goods" means the articles, material, commodities, livestock, furniture, fixtures, raw material, spares, instruments, machinery, equipment, industrial plant etc. which the supplier is required to supply to Purchaser under the contract. Other homologous terms are: Stores, Materials etc.
- (xix) "Services" means services allied and incidental to the supply of goods, such as transportation, installation, commissioning, provision of technical assistance, training, after sales service, maintenance service and other such obligations of the supplier covered under the contract.
- (xx) "Earnest Money Deposit" (EMD) means monetary guarantee to be furnished by a Tenderer along with its tender.
- (xxi) "Performance Security" means monetary guarantee to be furnished by the successful Tenderer for due performance of the contract placed on it. Performance Security is also known as Security Deposit or Performance Bank Guarantee.
- (xxii) "Consignee" means the person to whom the goods are required to be delivered as specified in the Contract. If the goods are required to be delivered to a person as an interim consignee for the purpose of despatch to another person as provided in the

Contract then that “another” person is the consignee, also known as ultimate consignee.

(xxiii) “Specification” or “Technical Specification” means the drawing/ document/ standard that prescribes the requirement to which product or service has to conform.

(xxiv) “Inspection” means activities such as measuring, examining, testing, analyzing, gauging one or more characteristics of the product or service and comparing the same with the specified requirement to determine conformity.

(xxv) “Day” means calendar day.

(xxvi) "Scheduled Commercial Bank" means a bank, defined as a scheduled bank under section 2(e) of the Reserve Bank of India Act, 1934.

(xxvii) “Effective date” means date of awarding of contract.

(xxviii) “Currency Verification and Processing System (CVPS)” means an electronic mechanical device designed for authentication, examination, counting, sorting and online disposal of banknotes which are unfit for further circulation. The system is capable of sorting the banknotes on basis of denomination, design and level of soilage. The system sorts the banknotes into Fit, Unfit, Suspect and Reject categories.

## 1.2 Abbreviations:

“AAEC”	means “Appreciable Adverse Effect on Competition” as per Competition Act
“BG”	means Bank Guarantee
“BL or B/L”	means Bill of Lading
“CC”	Means Conditions of Contract
“CD”	means Custom Duty
“CIF”	means Cost, Insurance and Freight Included
“CMD”	means Chairman and Managing Director
“CPSU”	means Central Public Sector Undertaking
“CST”	means Central Sales Tax
“CVPS”	means Currency Verification and Processing System
“DDP”	means Delivered Duty Paid
“DDO”	means Direct Demanding Officer in Rate Contracts
“DGS&D”	means Directorate General of Supplies and Disposals
“DP”	means Delivery Period
“ECS”	means Electronic clearing system
“ED”	means Excise Duty
“EMD”	means Earnest money deposit
“EOI”	means Expression of Interest (Tendering System)
“ERV”	means Exchange rate variations
“FAS”	means Free alongside shipment
“FOB”	means Freight on Board
“FOR”	means Free on Rail
“GIT”	means General Instructions to Tenderers

"GST"	means Goods and Services Tax which will replace Sales Tax
"H1, H2 etc"	means First Highest, Second Highest Offers etc in Disposal Tenders
"IT"	means Instructions to Tenderers
"Incoterms"	means International Commercial Terms, 2000 (of ICC)
"L1. L2 etc"	means First or second Lowest Offer etc.
"LC"	means Letter of Credit
"LD or L/D"	means Liquidated Damages
"LSI"	means Large Scale Industry
"NIT"	means Notice Inviting Tenders.
"NSIC"	means National Small Industries Corporation
"PQB"	means Pre-qualification bidding
"PSU"	means Public Sector Undertaking
"PVC"	means Price variation clause
"RC"	means Rate contract
"RR or R/R"	means Railway Receipt
"SBD" or "T E Document"	means (Standard) BID / Tender Document
"SCC"	means Special Conditions of Contract
"SPMCIL"	means Security Printing and Minting Corporation of India Limited
"SSI"	means Small Scale Industry
"ST"	means Sales Tax
"VAT"	means Value Added Tax
BNPMIPL	Bank Note Paper Mill India Private Limited
BRBNMPL	Bharatiya Reserve Bank Note Mudran Private Limited
CWBN	Cylinder Mould Vat Made Watermarked Banknote
DEA	Department of Economic Affairs
DoC	Directorate of Currency
GOI	Government of India
RBI	Reserve Bank of India
PQB	Pre-Qualification Bid
RFP	Request for proposal
SPM	Security Paper Mill
UV	Ultra-Violet

## 2. Application

2.1. The Conditions of Contract incorporated in this section shall be applicable for this purchase.

### 2.2. Other Laws and Conditions That will Govern the Contract:

Besides Conditions of Contract following conditions and Laws will also be applicable and would be considered as part of the contract:

- i. Indian Contracts Act, 1872
- ii. Sale of Goods Act, 1930
- iii. Arbitration and Conciliation Act, 1996
- iv. Competition Act, 2002 as amended by Competition (Amendment Act), 2007



- v. Tenderer's Tender Submissions including Revised Offer during Negotiations if any
- vi. Conditions in other parts of the Tender Documents
- vii. Correspondence including counter-offers if any; between the Contactor and Purchaser during the Tender Finalization
- viii. Notification of award and Contract Documents
- ix. Subsequent Amendments to the Contract

### **3. Use of contract documents and information**

- 3.1.** The supplier shall not, without Purchaser's prior written consent, disclose the contract or any provision thereof including any specification, drawing, sample or any information furnished by or on behalf of Purchaser in connection therewith, to any person other than the person(s) employed by the supplier in the performance of the contract emanating from this tender document. Further, any such disclosure to any such employed person shall be made in confidence and only so far as necessary for the purposes of such performance for this contract.
- 3.2.** Further, the supplier shall not, without Purchaser's prior written consent, make use of any document or information mentioned in this conditions of contract except for the sole purpose of performing this contract.
- 3.3.** Except the contract issued to the supplier, each and every other document mentioned above shall remain the property of Purchaser and, if advised by Purchaser, all copies of all such documents shall be returned to Purchaser on completion of the supplier's performance and obligations under this contract.

### **4. Intellectual Property Rights**

The supplier shall, at all times, indemnify Purchaser, free of cost, against all claims which may arise in respect of goods & services to be provided by the supplier under the contract for infringement of any intellectual property rights. In the event of any such claim in respect of alleged breach of intellectual property rights being made against Purchaser, the Purchaser shall notify the supplier of the same and the supplier shall, at his own expenses take care of the same for settlement without any liability to Purchaser.

### **5. Performance Bond/ Security**

- 5.1.** Within twenty-one days after the issue of (LOI) by Purchaser, the supplier shall furnish performance security to Purchaser for an amount equal to ten (10) % of the

total value of the contract, valid up to 90 days after the date of completion of all contractual obligations by the supplier, including the warranty obligations.

- 5.2. The Performance security shall be denominated in Indian Rupees and shall be in form of Bank Guarantee issued by a scheduled commercial bank in India, in the prescribed form as provided in [section X](#) of this document.
- 5.3. In the event of any loss due to supplier's failure to fulfil its obligations in terms of the contract, the amount of the performance security shall be payable to Purchaser to compensate Purchaser for the same.
- 5.4. In the event of any amendment issued to the contract, the supplier shall, within twenty-one days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.
- 5.5. Subject to above clauses, Purchaser will release the performance security without any interest to the supplier on completion of the supplier's all contractual obligations including the warranty obligations.

## 6. Technical Specifications and Standards

The Goods & Services to be provided by the supplier under this contract shall conform to the List of Requirements ([Section IV](#)) and technical specifications ([Section V](#)) of this document.

## 7. Packing and Marking

- 7.1 The packing for the goods to be provided by the supplier should be strong and durable enough to withstand, without limitation, the entire journey during transit including transshipment (if any), rough handling, open storage etc. without any damage, deterioration etc. As and if necessary, the size, weights and volumes of the packing cases shall also take into consideration, the remoteness of the final destination of the goods and availability or otherwise of transport and handling facilities at all points during transit upto final destination as per the contract.
- 7.2 The quality of packing, the manner of marking within & outside the packages and provision of accompanying documentation shall strictly comply with the requirements as provided in. In case the packing requirements are amended due to issue of any amendment to the contract, the same shall also be taken care of by the supplier accordingly.

## **8. Packing instructions**

Unless otherwise mentioned in the Tender Document, the supplier shall make separate packages for each consignee (in case there is more than one consignee mentioned in the contract) and mark each package on three sides with the following with indelible paint of proper quality:

- i. contract number and date
- ii. brief description of goods including quantity
- iii. packing list reference number
- iv. country of origin of goods
- v. consignee's name and full address and
- vi. supplier's name and address

## **9. Inspection and Quality Control**

**9.1** Purchaser and/or its nominated representative(s) will, without any extra cost to Purchaser, inspect and/ or test the ordered goods and the related services to confirm their conformity to the contract specifications and other quality control details incorporated in the contract. Purchaser shall inform the supplier in advance, in writing, Purchaser's programme for such inspection and, also the identity of the officials to be deputed for this purpose.

**9.2** The Technical Specification incorporated in the contract shall specify what inspections and tests are to be carried out and, also, where and how they are to be conducted. If such inspections and tests are conducted in the premises of the supplier or its sub Contractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to Purchaser's inspector at no charge to Purchaser.

**9.3** If during such inspections and tests the contracted goods fail to conform to the required specifications and standards, Purchaser's inspector may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to Purchaser and resubmit the same to Purchaser's inspector for conducting the inspections and tests again.

**9.4** In case the contract stipulates pre-despatch inspection of the ordered goods at suppliers premises, the supplier shall put up the goods for such inspection to Purchaser's inspector well ahead of the contractual delivery period, so that

Purchaser's inspector is able to complete the inspection within the contractual delivery period.

- 9.5** If the supplier tenders the goods to Purchaser's inspector for inspection at the last moment without providing reasonable time to the inspector for completing the inspection within the contractual delivery period, the inspector may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the goods have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to Purchaser under the terms & conditions of the contract.
- 9.6** Purchaser's contractual right to inspect, test and, if necessary, reject the goods after the goods' arrival at the final destination shall have no bearing of on the fact that the goods have previously been inspected and cleared by Purchaser's inspector during pre-despatch inspection mentioned above.
- 9.7** Goods accepted by Purchaser and/or its inspector at initial inspection and in final inspection in terms of the contract shall in no way dilute Purchaser's right to reject the same later, if found deficient in terms of the warranty clause of the contract,

## **10. Terms of Delivery**

Goods shall be delivered by the supplier in accordance with the terms of delivery specified in the contract.

## **11. Transportation of Goods**

- 11.1** The supplier shall not arrange part-shipments and/ or transshipment without the express/prior written consent of Purchaser.
- 11.2** **Instructions for transportation of domestic goods including goods already imported by the supplier under its own arrangement:**

The supplier will arrange transportation of the ordered goods as per its own procedure.

- 11.3** Should the Purchaser intend to airlift all or some of the stores, the tenderer shall pack the stores accordingly on receipt of intimation to that effect from the purchaser.

Such deliveries will be agreed upon well in advance and paid for as may be mutually agreed.

## **12. Insurance**

The supplier shall make arrangements for insuring the goods against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. All the CVPS machines will required to remain comprehensively insured by the Supplier till completion of satisfactory SAT and commissioning.

## **13. Incidental services**

**13.1** The supplier shall be required to perform any or all of the following services.

- i. Providing required jigs and tools for assembly, start-up and maintenance of the goods
- ii. Supplying required number of operation & maintenance manual for the goods
- iii. Installation and commissioning of the goods
- iv. Training of Purchaser's operators for operating and maintaining the goods
- v. Providing after sales service during the tenure of the contract
- vi. Providing maintenance service after expiry of the warranty period of the goods if so incorporated in the contract
- vii. Providing trained/skilled engineers at all the locations of the Purchaser where the CVPS machines will be installed, during the tenure of the contract.
- viii. Please note the requirements of Incidental services as brought out in **Section IV** – 'List of Requirements'.

**13.2** Prices to be paid to the supplier by Purchaser for any of the required incidental services, if not already included in the contract price during the placement of the contract, shall be settled and decided in advance by Purchaser and the supplier. However, such prices shall not exceed the contemporary rates charged by the supplier to other customers for similar services.

## **14. Warranty**

**14.1** The supplier warrants that the goods supplied under the contract is new, unused and incorporate all recent improvements in design, technology and materials unless prescribed otherwise by Purchaser in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect. .

- 14.2** This warranty shall remain valid for three (03) years after the machines have been delivered to the final destination and installed and commissioned at the final destination and accepted by Purchaser in terms of the contract.
- 14.3** In case of any claim arising out of this warranty, Purchaser shall promptly notify the same in writing to the supplier.
- 14.4** Upon receipt of such notice, the supplier shall, with all reasonable speed, repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/ goods after providing their replacements and no claim, whatsoever shall lie on Purchaser for such replaced parts/ goods thereafter.
- 14.5** In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/ replaced goods shall be extended to a further period of twelve months from the date such rectified / replaced goods starts functioning to the satisfaction of Purchaser.
- 14.6** If the supplier, having been notified, fails to rectify/ replace the defect(s) within a reasonable period, Purchaser may proceed to take such remedial action(s) as deemed fit by Purchaser, at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which Purchaser may have against the supplier.
- 14.7** **Under warranty period, if system remains non-functional beyond 4 hours during a week on account of any breakdown due to machine failure/ repairs/ settings of the CVPS, penalty will be imposed as per clause 30.3 (Section III) below.**

## **15. Assignment**

The Supplier shall not assign, either in whole or in part, its contractual duties, responsibilities and obligations to perform the contract, except with Purchaser's prior written permission.

## **16. Modification of contract**

- 16.1.** Once a contract has been concluded, the terms and conditions thereof will generally not be varied. However if necessary, Purchaser may, by a written order given to the supplier at any time during the currency of the contract, amend the contract by

making alterations and modifications within the general scope of contract in any one or more of the following:

- i. Specifications, drawings, designs etc. where goods to be supplied under the contract are to be specially manufactured for Purchaser,
- ii. mode of packing,
- iii. incidental services to be provided by the supplier
- iv. mode of despatch,
- v. place of delivery, and
- vi. any other area(s) of the contract, as felt necessary by Purchaser depending on the merits of the case.

**16.2.** In the event of any such modification/ alteration causing increase or decrease in the cost of goods and services to be supplied and provided, or in the time required by the supplier to perform any obligation under the contract, an equitable adjustment shall be made in the contract price and/ or contract delivery schedule, as the case may be, and the contract amended accordingly. If the supplier doesn't agree to the adjustment made by Purchaser, the supplier shall convey its views to Purchaser within twenty one days from the date of the supplier's receipt of Purchaser's amendment / modification of the contract.

## **17. Prices**

Prices to be charged by the supplier for supply of goods and provision of services in terms of the contract shall not vary from the corresponding prices quoted by the supplier in its tender or during negotiations, if any, and incorporated in the contract except for any price adjustment authorised in the Tender Document.

## **18. Taxes and Duties**

Supplier shall be entirely responsible for all taxes, duties, fees, levies etc. incurred until delivery of the contracted goods to Purchaser.

## **19. Terms and Mode of Payment:**

**19.1** The terms of payments would be as follows:

- a)** 70% of the contract price against receipt of the material at site and on submission of the following documents:
  - i) Contractor's signed commercial invoice

- ii) Manufacturer's Inspection and Test Certificates
  - iii) Inspection Certificate issued by the Bank
  - iv) Contractor's Certificate that all components, parts, sub systems, consumables etc. for successful installation, commissioning and testing of the systems including basic tools for day to day maintenance have been received at site in good condition and if any shortfall is noticed during installation, commissioning and testing they will be supplied free of further cost to the Bank.
  - v) Certificate of insurance covering all the risks during transit, storage, installation, commissioning, testing and handing over including third party liabilities.
- b)** 20% of the contract price on completion of erection, testing and commissioning of the equipment(s)/system(s) and after completion of site acceptance tests.
- c)** Balance 10% of the contract price will be released after the expiry of the warranty period. At the option of the vendor, this amount can be released upon successful completion of Site Acceptance Tests (SAT) on submission of a Bank Guarantee (from SCB) of an equivalent amount valid for a period of **three** years from date of signing of SAT certificate.
- d)** Pro-rata milestone payments as indicated above in para b) and c) can be made at the option of the vendor upon successful completion of activities at individual sites.

**19.2** Following general conditions will apply for payment to the supplier.

- i. The payment shall be made in the currency authorized in the contract.
- ii. The supplier shall send its claim for payment in writing as per Section XIV – “Proforma for Bill for Payments”, when contractually due, along with relevant documents etc., duly signed with date.
- iii. While claiming payment, the supplier is also to certify in the bill that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.

**19.3** The important documents which the supplier is to furnish while claiming payment are:

- i. Original Invoice
- ii. Packing List
- iii. Certificate of country of origin of the goods from seller's Chamber of Commerce.



- iv. Certificate of pre-despatch inspection by Purchaser's representative/ nominee
- v. Manufacturer's test certificate
- vi. Performance/ Warrantee Bond
- vii. Certificate of Insurance
- viii. Clean on Bill of lading/ Airway bill/ Rail receipt or any other despatch document, issued by a government agency (like postal department) or an agency duly authorized by the concerned ministry/ department
- ix. Consignee's Certificate confirming receipt and acceptance of goods
- x. Dangerous Cargo Certificate, if any, in case of Imported Goods.
- xi. Any other document specified.

**19.4** While claiming reimbursement of duties, taxes etc. (like GST, sales tax, excise duty, custom duty) from Purchaser, as and if permitted under the contract, the supplier shall also certify that, in case it gets any refund out of such taxes and duties from the concerned authorities at a later date, it (the supplier) shall refund to Purchaser, Purchaser's share out of such refund received by the supplier. The supplier shall also refund the applicable amount to Purchaser immediately on receiving the same from the concerned authorities.

## **20. Delay in the supplier's performance**

**20.1** The time for and the date specified in the contract or as extended for the delivery of the goods shall be deemed to be the essence of the contract and the supplier shall deliver the goods and perform the services under the contract within the time schedule specified by Purchaser in the List of Requirements and as incorporated in the contract.

**20.2** Subject to the provision in Conditions of Contract, any unexcused delay by the supplier in maintaining its contractual obligations towards delivery of goods and performance of services shall render the supplier liable to any or all of the following sanctions besides any administrative action:

- i. imposition of liquidated damages,
- ii. forfeiture of its performance security and
- iii. termination of the contract for default.

**20.3** If at any time during the currency of the contract, the supplier encounters conditions hindering timely delivery of the goods and performance of services, the supplier shall

promptly inform Purchaser in writing about the same and its likely duration and make a request to Purchaser for extension of the delivery schedule accordingly. On receiving the supplier's communication, Purchaser shall examine the situation as soon as possible and, at its discretion, may agree to extend the delivery schedule, with or without liquidated damages for completion of supplier's contractual obligations by issuing an amendment to the contract.

**20.4** When the period of delivery is extended due to unexcused delay by the supplier, the amendment letter extending the delivery period shall, inter alia contain the following conditions:

- i. Purchaser shall recover from the supplier, under the provisions of the Conditions of Contract, liquidated damages on the goods and services, which the Supplier has failed to deliver within the delivery period stipulated in the contract.
- ii. That no increase in price on account of any ground, whatsoever, including any stipulation in the contract for increase in price on any other ground and, also including statutory increase in or fresh imposition of customs duty, excise duty, sales tax or on account of any other tax or duty which may be levied in respect of the goods and services specified in the contract, which takes place after the date of delivery stipulated in the contract shall be admissible on such of the said goods and services as are delivered and performed after the date of the delivery stipulated in the contract.
- iii. But nevertheless, Purchaser shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax or any other duty or tax or levy or on account of any other grounds, which takes place after the expiry of the date of delivery stipulated in the contract.

**20.5** The supplier shall not despatch the goods after expiry of the delivery period. The supplier is required to apply to Purchaser for extension of delivery period and obtain the same before despatch. In case the supplier despatches the goods without obtaining an extension, it would be doing so at its own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against Purchaser.

## **21. Liquidated damages**

If the supplier fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract, Purchaser shall, without prejudice to other rights and remedies available to Purchaser under the contract, deduct from the contract price, as liquidated damages, a sum equivalent 0.25% of the quoted cost of the incomplete CVPS machine per week of delay per CVPS machine subject to maximum of 10% of the contract value of the respective CVPS machine. During the above mentioned delayed period of supply and / or performance, the conditions incorporated under **above Clause 20.4** shall also apply.

## **22. Custody and Return of Purchaser's Materials/ Equipment/ Documents loaned to Tenderer**

**22.1** Whenever stores are required to be issued to the firm/Tenderer for fabrication or prototypes or sub-assemblies are issued for guidance in fabrication, these would be issued against appropriate Bank Guarantee. In addition to the Bank Guarantee, appropriate insurance may be asked.

**22.2** Drawings and samples issued, if any, to the Tenderer in connection with the contract must be returned by him. Final payment will be withheld if this is not done, besides any other sanction deemed fit by Purchaser.

## **23. Termination for default**

**23.1.** Purchaser, without prejudice to any other contractual rights and remedies available to it (Purchaser), may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by Purchaser.

**23.2.** In the event of Purchaser terminating the contract in whole or in part, Purchaser may procure goods and/ or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit at the "Risk and Cost" of the supplier and the supplier shall be liable to Purchaser for the extra expenditure, if any, incurred by Purchaser for arranging such procurement.

**23.3.** Unless otherwise instructed by Purchaser, the supplier shall continue to perform the contract to the extent not terminated.

## **24. Termination for insolvency**

If the supplier becomes bankrupt or otherwise insolvent, Purchaser reserves the right to terminate the contract at any time, by serving written notice to the supplier without

any compensation, whatsoever, to the supplier, subject to further condition that such termination will not prejudice or affect the rights and remedies which have accrued and / or will accrue thereafter to Purchaser.

## **25. Force Majeure**

- 25.1.** In the event of any unforeseen event directly interfering with the supply of stores arising during the currency of the contract, such as war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lockouts, or acts of God, the Tenderer shall, within a week from the commencement thereof, notify the same in writing to the Purchaser with reasonable evidence thereof. Unless otherwise directed by Purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. If the force majeure condition(s) mentioned above be in force for a period of 90 days or more at any time, either party shall have the option to terminate the contract on expiry of 90 days of commencement of such force majeure by giving 14 days' notice to the other party in writing. In case of such termination, no damages shall be claimed by either party against the other, save and except those which had occurred under any other clause of this contract prior to such termination.
- 25.2.** Notwithstanding the provisions contained in **CC clauses 20, 21, 23, 24 and 26**, the supplier shall not be liable for imposition of any such sanction so long the delay and/ or failure of the supplier in fulfilling its obligations under the contract is the result of an event of Force Majeure.
- 25.3.** In case due to a Force Majeure event Purchaser is unable to fulfil its contractual commitment and responsibility, Purchaser will notify the supplier accordingly and subsequent actions taken on similar lines described in above sub-paragraphs.

## **26. Termination for convenience**

- 26.1.** Purchaser reserves the right to terminate the contract, in whole or in part for its (Purchaser's) convenience, by serving written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is for the convenience of Purchaser. The notice shall also indicate inter-alia, the extent to which the supplier's performance under the contract is terminated, and the date with effect from which such termination will become effective.
- 26.2.** The goods and services which are complete and ready in terms of the contract for delivery and performance within thirty days after the supplier's receipt of the notice of

termination shall be accepted by Purchaser following the contract terms, conditions and prices. For the remaining goods and services, Purchaser may decide:

- i. to get any portion of the balance completed and delivered at the contract terms, conditions and prices; and / or
- ii. to cancel the remaining portion of the goods and services and compensate the supplier by paying an agreed amount for the cost incurred by the supplier towards the remaining portion of the goods and services.

## **27. National Security Clause**

National Security Considerations shall be deemed to be the essence of the contract. On National Security Considerations, Purchaser reserves the right to terminate the contract, in whole or in part in case of supply of defective items or deviations from standard/ specific quality parameter by serving written notice on the supplier at any time during the currency of the contract. The notice shall specify that the termination is on National Security considerations. The notice shall also indicate inter-alia, the extent to which the supplier's performance under the contract is terminated, and the date with effect from which such termination will become effective.

## **28. Governing language**

The contract shall be written in Hindi or English language following the provision as contained in **GIT clause A (2)**. All correspondence and other documents pertaining to the contract, which the parties exchange, shall also be written accordingly in that language.

## **29. Notices**

**29.1** Notice, if any, relating to the contract given by one party to the other, shall be sent in writing or by email/ fax and confirmed in writing. The procedure will also provide the sender of the notice, the proof of receipt of the notice by the receiver. The addresses of the parties for exchanging such notices will be the addresses as incorporated in the contract.

**29.2** The effective date of a notice shall be either the date when delivered to the recipient or the effective date specifically mentioned in the notice, whichever is later.

**30. Service Contract (Comprehensive and All Inclusive Annual Maintenance Contract)**

**30.1** The Tenderer shall quote his rates per year per system for all inclusive (comprehensive) annual maintenance contract exclusive of service tax after the expiry of three year warranty period. It may be noted by the tenderer that Bank will not provide any kind of assistance in the form of men/material and the tenderer will have to make his own arrangements for setting right the reported/observed defects. The successful bidder shall be required to have at least one (01) qualified/skilled resident engineer at each site per shift of operations to provide on-site maintenance support. These rates shall remain firm and valid for a period of two years from the date of expiry of the warranty period. The charges quoted for such a contract will also be considered while evaluating the tender.

**30.2** The scope of the contract shall comprise and include all costs including all, duties, levies and other transport, handling, insurance charges for the following:

- i. routine servicing, trouble shooting, settings, adjustments, cleaning to ensure smooth and trouble free working of the system once in a month;
- ii. repairs to the systems and trouble shooting of software in the event of any breakdown including cost of repair/supply of spares/ components/ sub-systems;
- iii. stocking of all essential spares/sub-systems at site;
- iv. import of the spares/sub systems for repairs/replacement inclusive of customs duty shall be the responsibility of the contractor and non-availability of spares in the stock at the site will not be accepted as a reason for waiver of penalty towards delay in rendering prompt service.

**30.3** The tenderer shall guarantee a system uptime of not less than 95% calculated on daily basis as follows:

- i. Systems working hour shall be 1860 hours per calendar year.
- ii. The systems shall not be non-functional for more than 4 hours in a week. In case of system remaining non-functional beyond 4 hours during a week on

account of any breakdown due to machine failure/ repairs/ settings of the CVPS, penalty will be imposed as under:

<b>Total Downtime (hours)</b>	<b>Downtime Permitted (hours)</b>	<b>Amount of penalty (Rs./ hour)</b>
< 4	4	0
4 - 12	4	2000
>12	4	6000

- iii. Penalty will be imposed over and above the permissible limit of 4 hours in a week and will be imposed once in every three (03) months and the same will be deducted from the payment towards AMC charges to be made once in three (03) months.

**30.4** The Bank shall have the option to terminate the service contract any time during the contract period by giving a written notice of 3 months, without assigning any reason therefor. However, the contractor shall commit himself to the service contract for a minimum period of 7 years, unless the service contract is terminated by the Bank, and will have no right to terminate the contract within this period.

**30.5** Payments shall be made half-yearly after completion of the respective half-year.

**30.6** Price variation for all inclusive comprehensive Annual Maintenance Contract starts from the 6<sup>th</sup> year of operation. The variation in price will be worked out as per clause **G (2.5)** (Section II).

**30.7 Performance Security:**

- i. Before twenty-one days of completion of all contractual obligations by the supplier, including the warranty obligations, the supplier shall furnish performance security per machine to the user of the machine (respective Regional office) for an amount equal to ten (10) % of the total value of AMC for the 4<sup>th</sup> and 5<sup>th</sup> year combined and thereafter every year shall furnish performance security per machine ten (10) % of the total value of AMC for that year.

- ii. The Performance security shall be denominated in Indian Rupees and shall be in form of Bank Guarantee issued by a scheduled commercial bank in India, in the prescribed form as provided in [section X](#) of this document
- iii. Validity of the performance security for each year would be 90 days after the completion of the service contract.

### **31. Ethics**

#### **31.1 Code of Ethics**

Purchaser as well as Tenderers, Suppliers, and Consultants under Purchaser contracts shall observe the highest standard of ethics during the procurement or execution of such contracts. In pursuit of this policy, for the purposes of this provision, the terms set forth below are defined as follows:

- i. "Corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
- ii. "Fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
- iii. "Collusive practice" means a scheme or arrangement between two or more Tenderers, with or without the knowledge of the Purchaser, designed to establish bid prices at artificial, non-competitive levels; and
- iv. "Coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract.
- v. A particular violation of ethics may span more than one of above mentioned unethical practices.

#### **31.2** The following policies will be adopted in order to maintain the standards of ethics during procurement:

- i. A proposal for award will be rejected if it is determined that the Tenderer recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question.
- ii. A contract will be cancelled if it is determined at any time that Purchaser representatives/ officials have directly or indirectly, engaged in corrupt,



fraudulent, collusive or coercive practices during the procurement or the execution of that contract.

- iii. Firms or individuals shall be banned/ blacklisted after following due process, including declaring them ineligible, either indefinitely or for a stated period of time, to be awarded a Purchaser contract, if it at any time determines that they have, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a Purchaser contract.
- iv. The Tenderers shall express their willingness to execute the Pre-contract integrity pact as per the enclosed format before finalisation of the agreement.

## **32. Resolution of disputes**

- 32.1** If dispute or difference of any kind shall arise between the purchaser and the supplier in connection with or relating to the contract, the parties shall make every effort to resolve the same amicably by mutual consultations. If the parties fail to resolve their dispute or difference by such mutual consideration within twenty one days of its occurrence, then, either the purchaser or the supplier may seek recourse to settlement of disputes through arbitration as per The Arbitration and Conciliation Act, 1996 as per the following clause.

### **32.2 Arbitration Clause**

If both parties fail to reach amicable settlement, then either party (the purchaser or seller) may within 21 days of such failure give a written notice to the other party requiring that all matters in dispute or difference be arbitrated upon. Such written notice shall specify the matters which are in difference or of difference of which such written notice has been given and no other matter shall be referred to the arbitration in accordance with the conciliation and arbitration rules of International Chamber of Commerce [ICC} United Nations Commission on International Trade Laws {UNCITRL} by three arbitrators appointed in accordance with the procedure set out in clause below. The arbitration procedure shall be held in Mumbai and shall be conducted in English language. All documentation to be reviewed by the arbitrators and /or submitted by the parties shall be written or translated into English. Venue of arbitration shall be Mumbai. The arbitrator or arbitrators appointed under this article shall have the power to extend time to make award with the consent of the parties. Pending reference to arbitration the parties shall make all endeavours to complete the contract in all respects and all disputes, if any, will finally be settled in the arbitration.

**33. Applicable Law**

- 33.1** The contract shall be interpreted in accordance with the laws of India.
- 33.2** Irrespective of the place of delivery, or the place of performance or the place of Payments under the contract, the contract shall be deemed to have been made at the place from which the notification of acceptance of the tender has been issued. The courts of the place from where the notification of acceptance has been issued – shall alone have jurisdiction to decide any dispute arising out or in respect of the contract.

**34. Secrecy**

- 34.1** The Tenderer shall take all reasonable steps necessary to ensure that all persons employed in any work in connection with the contract, have full knowledge of the Official Secrets Act and any regulations framed thereunder.
- 34.2** Any information obtained in the course of the execution of the contract by the Tenderer, or any person so employed by the Tenderer, as to any matter whatsoever, which would or might be directly or indirectly, of use to any enemy of India, must be treated secret and shall not at any time be communicated to any person.
- 34.3** Any breach of the aforesaid conditions shall entitle the Purchaser to cancel the contract and to purchase or authorise the purchase of the stores at the risk and cost of the Tenderer, In the event of such cancellation, the stores or parts manufactured in the execution of the contract shall be taken by the Purchaser at such price as he considers fair and reasonable and the decision of the Purchaser as to such price shall be final and binding on the Tenderer.
- 34.4** The operation of the Tenderer in Pakistan or China, if any, should be suitably firewalled from the contract / operations with Government of India. And shall also declare that no employee who has previously worked or been posted in Pakistan or China in any capacity is engaged by the Company for this project and that no Pakistan national or person of Pakistan Origin should be engaged by the seller for the project. Further, the company should not post an employee who has worked in India operations in Pakistan or China.
- 35.** All decisions taken by the Purchaser regarding this Tender (as mentioned in this Tender Document) shall be final & irrevocable.



**Section IV: List of Requirements**

<b>Brief description of the product to be supplied</b>	<b>Units of Measurement</b>	<b>Quantity in Numbers</b>	<b>Time period</b>	<b>Earnest Money</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Supply, installation, testing, commissioning and handing over of CVPS conforming to technical specification mentioned in <a href="#">Section V</a> of the Tender Document as per scope of supply mentioned at clause 4 below, with necessary cabling including packing, forwarding transport, handling, freight, insurance, taxes, duties, charges for delivery installation, testing, commissioning documentation, and handing over of the system at various RBI offices as per list mentioned below.	Numbers	50. Minimum number of machines to be offered by any bidder shall be 35.	12 months from the date of awarding of contract	INR 53,200,000 (Rupees Fifty Three Million & Two Hundred Thousand Only) in the form of Bank Guarantee in favour of Reserve Bank of India, issued by any Scheduled Commercial bank in India

**(No pricing details shall be disclosed or hinted upon in any manner in this section.)**

- 1. Terms of Delivery:** As per GIT clause H (9) of tender document
- 2. Destination Port/ Airport/ Station:** To be declared at the time of Ordering.
- 3. Ultimate Consignee:**

Offices of Reserve Bank of India as per list furnished below:

<b>Name of the Regional Office</b>	<b>Number of CVPS Machines to be supplied</b>
1. Ahmedabad	3
2. Bengaluru	3
3. Belapur	3
4. Bhubaneswar	2
5. Chandigarh	2
6. Chennai	4
7. Delhi	4
8. Guwahati	2
9. Hyderabad	3
10. Jaipur	3
11. Jammu	1
12. Kanpur	3
13. Kolkata	4
14. Lucknow	3
15. Mumbai	3
16. Nagpur	2
17. Patna	3
18. Thiruvananthapuram	2

#### 4. Scope of Supply

- 4.1** The Tenderer shall provide complete turnkey solution and Scope of Supply shall include, besides the CVPS Machines offered and the maintenance thereof during and after the warranty period, all the concomitant Training/ Technical Support/ incidental services/ software/ accessories, considered necessary to make the proposal self-contained and complete for operationalization of the machines, the scope will also include, in addition, to adaptation during installation, additional adaptations of all denominations of Indian banknote as and when necessary and the Price quoted in price Bid for the machines should be inclusive of such services /accessories except the Annual Maintenance Charges post expiry of warranty period .
- 4.2** Cost break-up showing costs of all these incidental services/ accessories included in the scope of supply must be indicated only in the Financial Bid in Section VIII – Price Schedule. No price details should be given or hinted in the Technical Bid. If any price details are mentioned anywhere other than the place specified in [Section VIII - Price Schedule](#), the tender shall be summarily rejected. Accordingly, mention here such services/ accessories included in the scope of supply:
- i. Technical Support and/ or Training - mention scope and extent.
  - ii. Any other incidental service (and their scope and extent)
  - iii. Any additional software and/or accessories etc.

#### 5. Required Delivery Schedule

- 5.1** Delivery of the machines and installation, testing, commissioning and handing over of CVPS to be completed within the specified delivery period of twelve (12) months from the date of conclusion of the Contract **GIT Clause H (5)**.
- 5.2** Each machine shall be installed, tested and commissioned and site acceptance test to be carried out including issue of Site Acceptance Certificate by respective sites, within 30 days from date of receipt of machine. Time allowed in this regard is within the schedule of twelve (12) months of completion of the project.



## Section V: System Requirements and Major Technical Specifications

### 1. General

- 1.1** The Bank intends to install fifty (50) Currency Verification and Processing Systems (CVPS) at various offices of Reserve Bank of India (RBI) as per list furnished in. Each system shall have a capacity to process at least 30 banknotes per second. No weightage for extra capacity shall be accorded.
- 1.2** The CVPS should be compatible with bank notes of various substrates, viz., cotton, cotton & polymer mix, polymer and hybrid substrates.
- 1.3** The CVPS should have capability of reading and recording /storing the serial numbers of banknotes and comparing the two numbers on each banknote.
- 1.4** The systems shall be capable of accepting and processing banknotes of the following dimensions.

Breadth	60 mm - 75 mm
Length	120 mm - 180 mm

- 1.5** Some of the Indian banknotes are in different designs and have different features and each denomination has in turn different series/designs. The CVPS shall be capable of processing all denominations and all series of Indian banknotes (including Specified Banknotes in the denominations of Rs 500 and Rs 1000).
- 1.6** The CVPS shall be computer based and microprocessor controlled and shall be capable of processing, counting, sorting and authenticating banknotes into the following types:
- i. Banknotes fit for circulation
  - ii. Banknotes unfit for circulation based on different levels of soilage
  - iii. Reject Notes (Not recognized, double notes, notes with mechanical defects etc.)
  - iv. Suspect / Forged notes
  - v. Different levels of soilage
  - vi. Emission-wise sorting on design and series
- 1.7** The notes fit for circulation and suspect notes shall be automatically strapped into packets of 100 notes each. Each packet shall be coded with details like date, time, machine ID, denomination, no. of pieces, bank name, operator code, etc..

## 2. Note Authentication and Fitness Sorting Parameters:

- i. A “fit” banknote is a banknote that is evaluated as genuine, sufficiently clean to allow its denomination to be readily ascertained and thus suitable for recycling.
- ii. An “unfit” banknote is a note that is not suitable for recycling because of its physical condition or belongs to a series (including Specified Bank Notes) that has been phased out by Reserve Bank of India. A banknote must pass all the fitness parameters to be considered fit for recycling.
- iii. A “suspect” banknote is one that is failing in one or more authentication checks with reference to the features of genuine Indian banknotes as disclosed by the Reserve Bank of India from time to time and is suspected to be a counterfeit note.
- iv. Authenticity check is a prerequisite for fitness sorting. Fitness sorting can be done only in case of genuine legal tender notes. The CVPS shall be able to identify and separate suspected counterfeits and banknotes which are unfit for circulation in terms of these standards in a reliable and consistent fashion.
- v. The Reserve Bank of India phases out certain series (issue) of notes from circulation from time to time. These notes, though considered legal tender unless otherwise specified, are unfit for recycling. The legal tender status of certain series of banknotes (Specified Bank Notes) has also been withdrawn and these banknotes have been subsequently demonetized. The CVPS shall have the capability to sort all the phased out / demonetized genuine banknotes as unfit, irrespective of their physical condition.
- vi. The CVPS shall perform authenticity check with reference to the features of genuine Indian banknotes as disclosed by the Reserve Bank of India from time to time. Any banknote which is not found to be having all the features of a genuine Indian banknote shall be classified by the CVPS as “suspect”.

## 3. Fitness Sorting

- 3.1 As a part of fitness sorting, banknotes with any visual or physical defects are to be sorted as unfit as per the criteria set out in **Table 1**.

<b>Table 1: Sorting Criteria</b>		
<b>Sl. No.</b>	<b>Feature</b>	<b>Criteria</b>
1	Soiling	General distribution of dirt across the entire note

2	Limpness	Structural deterioration resulting in a marked lack of stiffness
3	Dog-ears	Corner folds
4	Tears	Lengthwise and crosswise cuts
5	Holes	Holes of a specific diameter
6	Stains	Localised concentration of dirt
7	Graffiti	Deliberate graphic alteration of the note
8	Crumples	Multiple random folds
9	Decolouration	Lack of ink on part or whole of the note, e.g. a washed note
10	Folds	Folds reducing the length or width of the note
11	Repair	Note repaired using adhesive tape/ paper/ glue

### 3.2 Soiling

Soiling refers to the general distribution of dirt across the entire banknote or in some patterns. It is a measure of the loss of reflectivity from the unprinted areas due to dirt, ageing (yellowing), wear and extraneous markings and includes decolouration due to ageing, excessive folding wear and other wearing. Soiling increases the optical density and decreases the reflectance of the notes. Both the obverse and the reverse of the note shall be checked for soiling.

### 3.3 Limpness

Limpness relates to structural deterioration or wear resulting in a marked lack of stiffness in the banknote paper. Banknotes with a very low stiffness shall be sorted as unfit. Banknotes with very low stiffness of paper, i.e. with paper which is worn out in circulation or mechanically mutilated shall be sorted out as unfit. Detectors for paper quality shall be adapted to the same level as for soiling.

### 3.4 Dog-Ears

Banknotes with dog-ears shall be sorted as unfit. Chipped notes shall also be sorted as unfit.

### 3.5 Tears

Banknotes exhibiting at least one tear at the edge shall be classified as those having tears. Banknotes with tears larger than those indicated below shall be sorted as unfit.

<b>Table 2 : Tears</b>			
<b>Sl. No.</b>	<b>Direction</b>	<b>Width</b>	<b>Length</b>
1	Vertical	4 mm	8 mm
2	Horizontal	4 mm	15 mm
3	Diagonal *	4 mm	18 mm

\* Measured by drawing a straight line from the peak of the tear to the edge of the note where the tear begins (rectangular projection), rather than measuring the length of the tear itself.

### 3.6 Holes

This refers to banknotes with at least one visible hole. Banknotes with holes with area exceeding 10 mm<sup>2</sup> shall be sorted as unfit.

### 3.7 Stains

Stains are visible markings which are not part of the feature of a banknote. Banknotes shall be classified as unfit if localized - i.e. with limited extension – stain can be recognised on its surface. In case the total area covered by stains exceeds 500 mm<sup>2</sup>, the note shall be sorted as unfit. A banknote with a single stain covering an area of more than 200 mm<sup>2</sup> shall be sorted as unfit. Both the obverse and the reverse of the banknote shall be checked for stains.

### 3.8 Graffiti

Graffiti refers to deliberate graphic alteration of the banknote with, for example, figures or letters. Fitness sorting criteria in case of graffiti shall be the same as those for stains. Both the obverse and the reverse of the banknote shall be checked for graffiti.



### **3.9 Crumples/ Folds**

Crumpled / folded notes shall be sorted as unfit if the folds result in reduction of the original note in length or width greater than 5 mm.

### **3.10 Decolouration**

Banknotes affected by decolouration shall be sorted as unfit if the ink is partially or wholly missing from its surface. Both the obverse and the reverse of the note shall be checked for decolouration.

### **3.11 Repair**

A repaired banknote is created by joining parts of the same note together, for example, by using extraneous matter such as tape, paper or glue. Notes with the following types of repairs shall be sorted as suspect/ reject.

- i. Repairs covering an area greater than 100 mm<sup>2</sup>; or
- ii. Thickness of the extraneous matter 50 µm or more; or
- iii. Width of the extraneous matter 10 mm or more; or
- iv. Length of the extraneous matter 10 mm or more.

### **3.12 Mutilated, Imperfect, Mismatched and Built-up Banknotes**

A mutilated banknote is banknote, of which a portion is missing or which is composed of more than two pieces. An imperfect banknote is a banknote, which is wholly or partially obliterated, shrunk, washed, altered or indecipherable but does not include a mutilated banknote. A mismatched banknote is a banknote, which has been formed by joining a half note of any one banknote to a half note of another note. A built-up banknote is a banknote which has been formed by joining parts of multiple banknotes. Such banknotes shall be classified as suspect/ reject.

## **4. Machine Requirement**

**4.1** The CVPS shall have minimum six stackers. If tenderer offers machine having more than six stackers, the same, i.e., the technical offer will be acceptable. However, no extra weightage will be given in the price quoted for extra stackers.

**4.2** The systems shall be provided with an automatic on-line shredding system for destruction of banknotes that are unfit for circulation. The shredded pieces shall be delivered at the end of a flexible metallic duct for further processing.

The duct/chute from the outlet of CVPS, suction, transportation and briquetting are not included in the scope of this contract and the same will be provided by the Bank. However, the machines shall be compatible with third party shred extraction, briquetting or granulation systems.

**4.3** The data pertaining to the processed notes (including serial numbers of the notes), the data keyed in through the keypad / touch screen and the data regarding the operational defects/servicing aspects of the system equipment shall be processed by the in-built computer and reports in the formats required by the Bank shall be generated. There shall be facility to generate tamper-proof reports showing the count of banknotes classified as “suspect”, “fit” and “unfit” indicating reasons for classifying the banknotes into such categories. In case of abrupt stoppage of the machine due to any reason, including power failure, the system shall have the capability of securely storing the count of notes processed, notes classified as “suspect”, “fit” and “unfit” and appropriate mechanism shall be in place to read the data so stored and generate reports for proper reconciliation of notes processed and it shall be tamper proof.

## **5. Modes of Operations**

**5.1** The CVPS shall have at least the following 'MODES' of operation.

- i. NO SHRED/AUDIT
- ii. ALL SHRED
- iii. UNFIT SHRED
- iv. PATTERN / DESIGN-WISE SORT

Authentication function of the sensors shall not be made dysfunctional in any mode of processing. In the event malfunctioning, the machine shall come to an abrupt halt if it is in operation.

### **5.2 No shred/audit mode**

In this mode of operation, the shredding machine shall not be put 'ON' and the banknotes fed shall only be sorted into various categories mentioned at 1.6 above.

### **5.3 All shred mode**

In this mode, no fitness sorting is required except reject and suspect notes i.e., category **(iii) and (iv) in Para 1.6** above. All other notes shall be counted and sent for shredding.

### **5.4 Shred /sort mode**

In this mode the banknotes will be processed and sorted into all the categories **(i) to (iv) and (v) to (vi) of Para 1.6** above). Notes falling under **category (ii) of Para 1.6** above will be sorted and sent to the shredder straight away.

### **5.5 Pattern / Design-wise sort mode**

In this mode, the system shall be capable of sorting the notes into category (a) i.e. double, limp and overlapped notes and the remaining notes sorted for a particular pattern / design. Balance notes of other pattern / designs shall be processed and sorted into other categories i.e. categories (ii), (iii) and (iv) of Para 1.6 above. This option of pattern / design-wise sorting shall be available on SHRED and NO SHRED modes.

6. The system should be capable of performing a full reconciliation of the notes processed. The system should have the capability of performing on-line reconciliation without interrupting the notes processing by using separator cards or any other mechanism.

## 7. Other Specifications

### 7.1 Power and environment

The systems/equipment proposed to be supplied shall be robust, sturdy and shall be capable of withstanding the stress and strains of operation under the following conditions continuously for a period of at least 20 hours per day.

(a)	Temperature and humidity	$25^{\circ}\text{C} \pm 2^{\circ}\text{C}$ RH not exceeding 60%. (Non-condensing)
(b)	Dust level	5 microns with 95% efficiency
(c)	Power	(i) 3 phases 400 V $\pm 5\%$ Steady state conditions 400V $\pm 10\%$ transient condition 50 Hz $\pm 1\%$ Steady and transient conditions Total Harmonic content not to exceed 3%. Earth to Neutral Voltage not to exceed 5V.  (ii) Single phase 230V $\pm 5\%$ Steady state conditions 230V $\pm 10\%$ transient conditions 50 Hz $\pm 1\%$ steady and transient condition Total Harmonic content not to exceed 3%. Earth to Neutral Voltage not to exceed 5V
(d)	Sound level	The operating noise of all the equipment in a system shall not exceed 75-80 db as measured at a distance of 1 m from any part of the machine

## **7.2 Capacity, Capability, Consistency and Reliability**

Consistency Test will be carried out by repeatedly processing the same banknotes in the CVPS. After each processing, the system will be switched off. This test will be conducted during SAT. The capacity of each system shall be in consonance with the rated speed. The capacity of a system shall be independent of the size, denomination etc. of the notes processed. The capacities mentioned above are the nominal rated and designed capacity at the maximum speed of transport system. In order to minimize the stoppage of system due to tearing of notes while in transit, it shall be possible to adjust the speed of the note transport system. It is understood that the capacity of the system will stand reduced at reduced speeds. The quality of processing shall be reliable and consistent. The reliability and consistency aspects of the system shall be tested before conducting the performance test at site. To establish the consistency, the same lot of banknotes of the specified denomination containing all the categories of notes will be fed repeatedly and the results analysed. The results shall be consistent. This test will be conducted for each denomination separately. If the results are not consistent, the system shall be reset, settings modified and if necessary, upgraded and the consistency test repeated. After completion of installation and initial commissioning of systems, each of the systems shall be tested with Indian banknotes of different denominations and conditions for a period of at least 25 working days and for a period of at least 5 hours in a day to establish the average capacity of the system. If the average established capacity in the normal circumstances is less than the contracted capacity the Contractor shall undertake to carry out required modifications in the system including upgradation of the systems so as to achieve the contracted capacity. Each of the systems shall be so designed that it requires only one operator to handle all the operations, like feeding, programming, removing bottlenecks and taking out various outputs.

## **7.3 Sections/sub-systems**

The system shall consist of (i) feeding sections (ii) detection and sorting section (iii) output section and (iv) shredding section.

### **7.3.1 Feeding Section and Transport System**

The feeding section shall have a minimum capacity of 4000 banknotes and the transport system shall be smooth. The CVPS shall have the facility of connecting to automated feeders.

### **7.3.2 Detection and Sorting Section**

- i. The machine shall be capable of sorting banks notes into the following categories: -
  - a. Fit
  - b. Unfit
  - c. Suspect
  - d. Reject
- ii. The machine shall be capable of sorting notes denomination wise, design wise, pattern wise and series wise.
- iii. The system shall also count the processed notes separately for each category including unfit notes that are shredded and supply the relevant data to the microprocessor and the computer in a secured / tamper proof manner and the current data should not be deleted / erased even if there is a power failure or abrupt stoppage of the machine for any other reason.
- iv. There should be facility for setting the limits and tolerances for each of the aforesaid sorting and authentication parameters. Appropriate log files should be available for providing audit trail for any change in any parameter.
- v. Sufficient reserve space and provision shall be provided for adding additional sensors/devices, including at least three (03) third party sensors to be provided by the Purchaser, to process banknotes of new designs/new denomination, which may be introduced in future. The system should have appropriate slot for installation and interface for seamless integration of such third party sensors.
- vi. The sensors available in the CVPS for authenticating banknotes shall be capable of detecting machine-readable features, that are already present in the Indian banknotes. In case any new security feature is incorporated in the Indian banknotes in future, the Tenderer shall upgrade the detection systems in the CVPS.

### 7.3.3 Output Section

- i. After the notes are processed, they shall be sorted and directed to the respective stackers. There shall be a separate set of stackers for each category. The total number of stackers in each CVPS shall be minimum six and shall be assigned as decided by the Bank.
- ii. It shall be possible to assign the stackers for any category of sorting.
- iii. This section shall also have automatic banding arrangement for every 100 banknotes. The banding machine should have arrangements to automatically print the date of processing, client id, operator id, system no. id and batch no.

id on the band. Whenever stacking stackers becomes full, a signal shall be displayed/activated.

#### **7.3.4 Shredding Section**

- i. When the CVPS is set on 'SHRED' mode, the unfit banknotes will be fed to the shredding section one after another which will cut them into small shreds of width not exceeding 1.5 mm and length not exceeding 18 mm. Each CVPS shall have its own independent shredding section. The shredding section shall have its own suction arrangement and a motor for the movement of cutter/blades etc. The capacity of the shredder shall not be less than the capacity of the CVPS. The shredder shall be interfaced/interlocked with the CVPS such that when on 'SHRED' mode, the CVPS shall not start unless the shredding section is 'ON' and shall stop as soon as the shredding machine stops due to any reason.
- ii. The design of the shredder shall ensure that any dust generated while shredding the banknote does not enter the processing room and is mixed and discharged along with the shreds.

**7.3.5** All tenderers shall confirm that the CVPS and the shredders/granulators offered by them are suitable for processing/destruction of cotton, polymer and hybrid banknotes also.

**7.3.6** All tenderers shall indicate the capability for modification/upgradation based on a set of generic security features either machine readable or otherwise.

**7.3.7** All tenderers shall indicate in the Technical Bid whether their system can read, store and compare the serial numbers printed at two locations of the note and classify such notes as "reject" category, when the two serial numbers do not match.

**7.3.8** Reconciliation of processed notes shall be possible in batches of either 100 or 1000 banknotes. However, the capacity of the systems shall be assessed based on batch of 1000 banknotes. Separate counts shall be kept for forged/suspect notes while there is no need for keeping a count for system rejects. When the system rejects are reprocessed, a count of the processed notes shall be kept and considered along with the reconciliation data of the specified batch.

**7.3.9** The system should be capable of processing notes using batch card.

#### **7.4 Control**

**7.4.1** Basic operation of the CVPS shall be controlled by the system microprocessor and the control panel. These include, switching ON/OFF, suction mode, selection of denomination, setting and changing of parameters for sorting etc.

**7.4.2** The data pertaining to the processed notes shall also be stored in the microprocessor. Every CVPS shall also be connected to a computer system and it shall be possible to carry out all the operations that are possible with the systems microprocessor. The system will also capture all the data from the microprocessor on a continuing basis and store them. The computer system will also keep track of service/breakdown repairs carried out on the system. All the computers in a processing location shall be networked to a server. The input and processing data shall continuously and automatically be transferred to the respective computer and from the computer to the server. The tenderer shall supply the computers/servers/VDUs/keyboards/NICS/HUB or Switch/and UTP cabling between the computers/servers and the Hub or switch. These equipment will also be treated as a part of the total CVP system for the purpose of performance guarantee and service contract. The tenderers are advised to furnish full particulars of the computer/server/hub or switch/VDU/Printer, etc. The tenderer should also provide details of access control / security to the system / server, etc.

## **7.5 Software**

**7.5.1** The system that handles detection, routing, accounting and reporting should run on an industry standard real time operating system and the vendor should be in a position to arrange necessary support for the lifetime of the machine.

**7.5.2** The user interface software shall be suitable for Windows, LINUX, IOS, etc. environment and shall be field configurable. The Tenderer shall be responsible for providing support during the life of the machines in respect of all software and operating system used therein including the PCs and Servers.

**7.5.3** The operation, configuration and settings shall be menu driven. The software shall not call for any special qualification or special programming knowledge for the operator. The software shall provide for separate levels of password protection for operator, supervisor and service engineer. The tenderers are advised to furnish complete details about the software that they propose to supply. The basic process data captured from the microprocessor shall not be amenable for additions/corrections/alternations.

**7.5.4** All the processing data for a period of at least one (01) year shall be archived, indexed and stored in the computer system for easy and efficient retrieval. The data base should be kept in Oracle RDBMS and capable of up-gradation. There has to be provision in the computer system for taking periodical data backup on external storage devices.

**7.6 Up-gradation of CVPS**

The CVPS shall be up-gradable as per needs of purchaser with respect to technology, stackers, sensors, speed, etc.

**7.7 Year of Introduction of the Model**

The Tenders shall indicate in the technical bid the year of introduction of the model of the CVPS being offered.

**8 Technical Benchmark**

Based on the above requirements, benchmark for various technical specifications at Annex II shall be complied with by the bidder.



### Section VI: Qualification/ Eligibility Criteria

The tenderer needs to agree to all essential conditions specifically incorporated in this Tender Document. Some of the salient requirements are as under:

#### 1. Eligibility Criteria:

Sr. No	Item categories	For the Supply, Installation, Commissioning and Testing and handing over of Currency Verification and Processing Systems at offices of Reserve Bank of India and maintenance thereof during and after the warranty period and providing all the concomitant Training/ Technical Support/ incidental services/ software/ accessories for operationalization of the machines
i	Experience and past performance	The Tenderer should have supplied, installed and commissioned <b>at least 10 CVPS</b> machines of similar capacity to Central Banks / Note Issuing Authorities during the period January 01, 2014 to December 31, 2016. The Tenderer shall submit the credentials regarding experience and past performance to the extent required as per the eligibility criteria. All experience, past performance and capability related data should be certified by the authorized signatory of the Tendering firm.
ii	Capability - equipment and manufacturing facility	The Tenderer should have an annual capacity to manufacture and supply at least 35 CVPS machines. A declaration to this effect signed by the Tenderer is to be submitted.
iii	Financial standing	<p>The average annual financial turnover of the Tenderer during last three financial years should be at least INR 300 (Rupee Three Hundred Million).</p> <p>Tenderer should not have suffered have any financial loss for more than one year during last three years.</p> <p>The net worth of the firm should be positive during the last last three years.</p> <p>All financial data should be certified by certified accountants e.g. Chartered Accountants in India and Certified Public Accountants / Chartered Accountants of other countries. The Tenderer shall enclose certified audited balance sheets, financial statements including statement on Profit and Loss</p>
iv	EMD	The Tenderer should have submitted requisite EMD.
v	Service Set up in India	The Tenderer should have/undertake to set up full- fledged service set-up in India for the specified job to ensure quality of service. Details of service set-up (existing or proposed as the case may be) of the tenderer shall form part of the Technical bid.
vi	Miscellaneous	The Tenderer should give a declaration that they have not been blacklisted or debarred for dealing by Government of India or any Government in the past.

**Section VII: Tender Form**

Date.....

To

(Complete address of Purchaser)

Ref: Your Tender document No. ....dated .....

We, the undersigned have examined the above mentioned tender enquiry document, including amendment No. -----, dated ----- (*if any*), the receipt of which is hereby confirmed. We now offer to supply and deliver..... (*description of goods and services*) in conformity with your above referred document for the costs as shown in the price schedule(s), attached herewith and made part of this tender.

If our tender is accepted, we undertake to supply the goods and perform the services as mentioned above, in accordance with the delivery schedule specified in the [List of Requirements](#).

We further confirm that, if our tender is accepted, we shall provide you with a performance security of required amount in an acceptable form in terms of [CC clause 6](#), read with modification, if any, in Section III – [“Conditions of Contract”](#), for due performance of the contract.

We agree to keep our tender valid for acceptance for a period upto -----, as required in the [IT clause 19](#), read with modification, if any in [Section-II – “General Instructions to Tenderers”](#) or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this tender upto the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

It is hereby certified that we have understood the General Instructions to Tenderers (GIT), and also the Conditions of Contract (CC) attached to the tender and have thoroughly examined specifications and other stipulations in Sections IV & V – List of Requirements and Major Technical Specifications; and are thoroughly aware of the nature of CVPS Machines required and our offer is to supply CVPS Machines strictly in accordance with the requirements and according to the terms of the tender. We agree to abide solely by the Conditions of Contract and other conditions of the tender in accordance with the tender documents if the contract is awarded to us.

Earnests Money/Bid Guarantee for an amount equal to ..... is enclosed in the form specified in the Tender Documents.

.....

(Signature with date)

.....

(Name and designation)

Duly authorized to sign tender for and on behalf of

.....

## Section VIII: Price Schedule

**OFFER FORM** for Tender No ..... Date of opening ..... Time..... Hours

1. We ..... hereby certify that we are established firm of manufacturers of M/s..... with factories at ..... which are fitted with modern equipment and where the production methods, quality control and testing of all materials and parts manufactured or used by us are open to inspection by the representative of ....(Name of Purchaser). We hereby offer to supply the following items at the prices indicated below:

**TABLE I – System ---- Priced Bill of Materials**

Description	Quantity	Rate per unit	Amount
Supply, installation, testing, commissioning and handing over of CVPS conforming to technical specification, scope of <b>contract</b> and the intended purpose with a capacity of 30 banknotes per second with necessary cabling including packing, forwarding transport, handling, freight, insurance, taxes, duties, charges for delivery installation, testing, commissioning documentation, and handing over of the system at RBI Offices as per list conforming to the technical specifications and scope of contract in Part I (Technical Bid) of the tender.			
i. Technical Support and/ or Training of RBI officials for the entire contractual period  ii. Incidental Services as per clause <b>13</b> (section III)  iii. Any additional software and/or accessories/ adaptation of all Indian			

Banknotes as & when necessary etc.			
iv. Any other additional cost including man-power cost if any			
<b>Total Cost (in figures)</b>			
<b>Total Cost (in words)</b>			
<b>Power consumption in KWH</b>			

**Table II Schedule For Service Contracts**

	<b>Description</b>	<b>Quantity</b>	<b>Rate per system in words and figures</b>
1	Comprehensive, all-inclusive repair and maintenance service contract (AMC) rates per annum per system including <u>spares</u> /overhauling and consumables, including the applicable tax. These rates will be applicable after expiry of three year warranty period and shall remain firm for a period of two years		

We hereby offer to supply the CVPS Machines detailed above or such portion thereof, as you may specify in the acceptance of tender at the price quoted and agree to hold this offer open for acceptance for a period of 120 days from the date of opening of tender, We shall be bound by the communication of acceptance despatched within the prescribe time.

Place.....

Dated.....

Signature Name and seal of *Manufacturer/Tenderer*

Note -(i) The Tenderer may prepare their own offer forms as per this proforma.

(ii) No change in the proforma is permissible.

(iii) No erasures or alternations in the text of the offer are permitted. Any correction made in the offer shall be initialled by the Tenderer.

(iv) FIGURES should be in both figures and words.

(v) This Section should not bring in any new Technical Parameter that has not been mentioned in the Technical Bid.



**Section IX: Bank Guarantee Form for EMD**

**BANK GUARANTEE FOR BID GUARANTEE**

**(ON BANK'S LETTERHEAD WITH ADHESIVE STAMP)**

Ref .....

Date .....

Bank Guarantee No .....

**(Insert Name & Address of the Purchaser)**

Dear Sir,

Whereas .....

(Hereinafter called the "Tenderer") has submitted its bid numbered ..... dated ..... for the supply of .....

..... (Hereinafter called the "tender") against ..... 's **(insert name of Purchaser)** (hereinafter called as the 'Purchaser')

tender enquiry No. .... opened on ..... Know

all persons by these presents that we ..... of

..... (hereinafter called the "Bank") having our registered office at

..... are bound unto the Purchaser, in the sum of

..... for which payment will and truly be

made forthwith, on demand by the Purchaser, without demure to the said Purchaser, the

Bank binds itself, its successors and assigns by these presents.

Sealed with the Common Seal of the said Bank this..... day of .....20.....

The conditions of this obligation are —

- (1) If the Tenderer withdraws or amends, impairs or derogates from the tender, in any respect within the period of validity of this tender.
- (2) If the Tenderer or any one employed by it or acting on its behalf (whether with or without the knowledge of the Tenderer) breaches any of the provisions of the pre-bid/ Pre-contract Integrity Clause.
- (3) If the Tenderer having been notified of the acceptance of his tender by Purchaser during the period of its validity:-

- a) Fails or refuses to furnish the performance security for the due performance of the contract.
- b) Fails or refuses to accept/ execute the contract.

We undertake to pay Purchaser up to the above amount, upon receipt of its first written demand, without Purchaser having to substantiate its demand, provided that in its demand Purchaser will note that the amount claimed by it, is due to it owing to the occurrence of one or more or all the above conditions, specifying the occurred condition(s). We agree that the decision of the Purchaser, whether above conditions have occurred, shall be final and binding on us.

This guarantee will remain in force for a period of ..... ***(insert the period of validity plus 45 days, in words and figures)*** days after the date of .....***(insert date of tender opening)*** and any demand in respect thereof should reach the Bank not later than the above date.

Date  
Place

Signature  
***(Printed Name)***  
***(Designation)***

Witnesses

***(Bank's Common Seal)***

⇐⇒



## Section X: Bank Guarantee Form for Performance Security

### PROFORMA OF BANK GUARANTEE FOR CONTRACT PERFORMANCE GUARANTEE BOND

**(ON BANK'S LETTERHEAD WITH ADHESIVE STAMP)**

Ref .....

Date .....

Bank Guarantee No .....

To,

**(Insert Name & Address of the Purchaser)**

Dear Sir,

1. Against contract vide Notification for Award of the Tender No .....

dated ..... covering supply of ..... (hereinafter called the 'contract') entered into between the ..... **(insert name of Purchaser)** (herein after called as the Purchaser) and M/s.....,..... (hereinafter called the 'Tenderer'), this is to certify that, at the request of the Tenderer, we ..... **(name of the bank)**, are holding in trust in favour of the Purchaser, the amount of ..... **(write the sum here in words)**, to indemnify and keep indemnified the Purchaser, against any loss or damage that may be caused to, or suffered by the Purchaser, by reason of any breach by the Tenderer of any of the terms and conditions of the said contract and/or in the performance thereof. We agree that the decision of the Purchaser, whether any breach of any of the terms and conditions of the said contract and/or in the performance thereof has been committed by the Tenderer; and the amount of loss or damage that has been caused or suffered by the Purchaser, shall be final and binding on us, and the amount of the said loss or damage shall be paid by us, forthwith on demand and without demur to the Purchaser.

2. We ..... **(name of the bank)**, further agree that, the guarantee herein contained, shall remain in full force and effect, for five years or the complete conclusion of the contractual obligations to the complete satisfaction of both the TENDERER and the BUYER, including warranty period whichever is later, i.e. till ....., (hereinafter called the 'said date') and that if any claim accrues or arises against us ..... **(name of the bank)**, by virtue of this guarantee before the said date, the same shall be enforceable against us .....

..... **(name of the bank)**, notwithstanding the fact that the same is enforced within six months after the said date, provided that notice of any such claim has been given to us .....,..... **(name of the bank)**, by the Purchaser, before the said date. Payment under this bond of guarantee shall be made promptly, upon our receipt of notice to that effect, from the Purchaser.

3. It is fully understood that, this guarantee is effective from the date of the said contract and that we ..... **(name of the bank)**, undertake not to revoke this guarantee during its currency, without the consent in writing of the Purchaser.

4. We undertake to pay to the Purchaser, any money so demanded, notwithstanding any dispute or disputes raised by the Tenderer, in any suit or proceeding pending before any Court or Tribunal, relating thereto, our liability under this present, being absolute and unequivocal.

The payments so made by us under this bond, shall be a valid discharge of our liability for payment thereunder, and the Tenderer shall have no claim against us, for making such payments.

5. We..... **(name of the bank)**, further agree that the Purchaser shall have the fullest liberty, without affecting in any manner our obligations hereunder, to vary any of the terms and conditions of the said contract, or to extend time of performance by the Tenderer, from time to time, or to postpone for any time or form, time to time, any of the powers exercisable by the Purchaser, against the said Tenderer and to for bear or enforce any of the terms and conditions relating to the said contracts and we..... **(name of the bank)**, shall not be released from our liability under this guarantee, by reason of any such variation or extension being granted to the said Tenderer, or for any forbearance and/or omission on the part of the Purchaser, or any indulgence by the Purchaser towards the said Tenderer, or by any other matter or thing whatsoever, which under the law relating to sureties, would, but for this provision, have the effect of so releasing us from our liability under this guarantee.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Tenderer.

Date  
Place

Signature  
**(Printed Name)**  
**(Designation)**

Witnesses

**(Bank's Common Seal)**  
⇔

### Section XI: Contract Form

(Address of Purchaser's office issuing the contract)

**Contract No..... dated.....**

**Name & address of the Supplier: .....**

**References:**

- a) This office' Notification of Award No..... dated .....
- b) Purchaser's Tender document No..... dated..... and subsequent Amendment No....., dated..... (If any), issued by Purchaser
- c) Supplier's Tender No..... dated..... and subsequent communication(s) No..... dated ..... (If any), exchanged between the supplier and Purchaser in connection with this tender.

1. In addition to this Contract Form, the following documents etc, which are included in the documents mentioned under references b) and c) above, shall also be deemed to form and be read and construed as part of this contract:

- (i) Conditions of Contract;
- (ii) List of Requirements;
- (iii) Technical Specifications;
- (iv) Tender Form furnished by the supplier;
- (v) Price Schedule(s) furnished by the supplier in its tender;
- (vi) Manufacturers' Authorisation Form (if applicable for this tender);
- (vii) Purchaser's Notification of Award
- (viii) Pre-bid/ Pre-contract Integrity pact

Note: The words and expressions used in this contract shall have the same meanings as are respectively assigned to them in the conditions of contract referred to above. Further, the definitions and abbreviations incorporated under Section –III- 'Conditions of Contract' of Purchaser's Tender document shall also apply to this contract.

- 1. Some terms, conditions, stipulations etc. out of the above-referred documents are reproduced below for ready reference:

(i) Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under:

Schedule No.	Brief description of goods/ services	Accounting unit	Quantity to be supplied	Unit Price (in Indian Rupees)	Total price

Any other additional services (if applicable) and cost thereof: .....

Total value (in figure) \_\_\_\_\_ (In words) \_\_\_\_\_

(ii) Delivery schedule

(iii) Details of Performance Security

(iv) Quality Control

(a) Mode(s), stage(s) and place(s) of conducting inspections and tests.

(b) Designation and address of Purchaser's inspecting officer

(v) Destination and despatch instructions

(vi) Consignee, including port consignee, if any

(vii) Warranty clause

(viii) Payment terms

(ix) Paying authority

.....

(name and designation of authorized official)

For and on behalf of The Reserve Bank of India

Received and accepted this contract .....

(Signature, name and address of the supplier's executive duly authorized to sign on behalf of the supplier)

For and on behalf of .....

(Name and address of the supplier)

.....

(Seal of the supplier)

Date:

Place:

---

## Section XII: Letter of Authority for attending a Pre-bid Conference/ Bid Opening

To,

***(Insert name and address of the Purchaser)***

Subject: Authorization for attending pre-bid conference/ bid opening\*\* on  
 \_\_\_\_\_ (date) in the Tender of  
 \_\_\_\_\_.

Following persons are hereby authorized to attend the pre-bid conference/ bid opening\*\* for  
 the tender mentioned above on behalf of  
 \_\_\_\_\_ (Tenderer) in order of preference  
 given below.

Order of Preference	Name	Specimen Signatures
I.		
II.		
Alternate Representative		
Signatures of Tenderer or Officer authorized to sign the bid Documents on behalf of the Tenderer.		

**Note:**

1. Maximum of two representatives will be permitted to attend pre-bid conference/ bid opening\*\*. In cases where it is restricted to one, first preference will be allowed. Alternate representative will be permitted when regular representatives are not able to attend.

2. Permission for entry to the hall where Pre-bid conference/ bid-opening is held may be refused in case authorization as prescribed above is not produced.

\*\* Strike-out whichever is not applicable.

### Section XIII: Proforma of Bills for Payments

(Refer Clause 22.6 of CC)

Name and Address of the Firm.....

Bill No.....Dated.....

Purchase order.....No.....Dated.....

Name and address of the consignee.....

S.No	Authority for purchase	Description of Stores	Number or quantity	Rate ₹ P.	Price per ₹ P.	Amount
Total						

1. GST/Sales Tax Amount
2. Freight (if applicable)
3. Excise Duty (if applicable)
4. Packing and Forwarding charges (if applicable)
5. Others (Please specify)
6. PVC Amount (with calculation sheet enclosed)
7. (-) deduction/Discount
8. Net amount payable (in words ₹)

Despatch detail RR No. other proof of despatch.....

Dated.....(enclosed)

Inspection Certificate No.....Dated.....(enclosed)

Income Tax Clearance Certificate No.....Dated.....(enclosed)

Modvat Certificate No.....(enclosed)

Excise Duty Gate pass.....(enclosed)

Place and Date

Received ₹.....(Rupees).....

I hereby certify that the payment being claimed is strictly in terms of the contract and all the obligations on the part of the supplier for claiming that payment has been fulfilled as required under the contract.

Revenue stamp

Signature and of Stamp Supplier

⇔

---

**Section XIV: Declarations**

1. Tenderer shall submit the following declarations / undertakings along with tender application.
  - a. The signatory is competent and legally authorized to submit the tender and / or to enter into legally binding contract.
  - b. A declaration that the Tenderer is not in the list of blacklisted /debarred firms of any Government Agency anywhere in the world.
  - c. Undertaking that the Tenderer is accepting all the terms and conditions of this tender and abides by it without any counter conditions.
  - d. Undertaking that the information given in the documents is correct and the Tenderer is aware that any information provided is found to be false at a later stage the Bank reserves the right to reject / disqualify the Tenderer at any stage of the tendering process without assigning any reason.
  - e. A self-declaration that no agents are engaged or proposed to be engaged for participation in this tender.
  - f. The operation of the Tenderer in Pakistan or China, if any, should be suitably firewalled from the contract / operations with Government of India. And shall also declare that no employee who has previously worked or been posted in Pakistan or China in any capacity is engaged by the Company for this project and that no Pakistan national or person of Pakistan Origin should be engaged by the seller for the project. Further, the company should not post an employee who has worked in India operations in Pakistan or China.
  - g. A duly signed and stamped confidentiality statement as given below is to be furnished-  
“The information(s) contained in the tender document will not, in whole or in part be reproduced, transferred to other documents /electronic media or disclosed to others without written consent”
  - h. Tenderer shall declare that their production facilities and transport of raw materials is adequately secured to prevent pilferage and/or to circumvent threats from the anti- national elements.
  - j. Tenderer agrees that the purchaser or their notified security agency can conduct periodic security audits apart from the emergency inspections of the production facilities/ transport arrangements.

Ref: Your Tender document No. ....dated .....

1. We ----- (*name of the company*), solemnly declare that neither we are not in the list of ineligible/ blacklisted/ banned/ debarred entity by any Government Agency anywhere in the world, for participating in its tenders, under that country's laws or official regulations.
2. As part of Technical Bid evaluation, Tenderer/s also will be required to conduct bench mark testing, in the presence of representative/s of the Purchaser for evaluation of performance of the systems by the purchaser on "No Cost No Commitment" (NCNC) basis for evaluation and independent verification of the systems. Testing of the systems may be conducted at any site by the Purchaser at its discretion. However, the Purchaser may consult the Tenderer for this purpose. The Tenderer will not have any objection or reservation for such evaluation by the purchaser. We ----- (*name of the company*) hereby indicate our willingness (*or unwillingness*) to conduct bench mark testing, in the presence of representative/s of the Purchaser for evaluation of performance of the systems by the purchaser on "No Cost No Commitment" (NCNC) basis for evaluation and independent verification of the systems. Testing of the systems may be conducted at any site by the Purchaser at its discretion. However, the Purchaser may consult the Tenderer for this purpose. The Tenderer will not have any objection or reservation for such evaluation by the purchaser
3. In case our bid is successful, before a Contract is signed, We ----- (*name of the company*) hereby indicate our willingness (*or unwillingness*) to sign an Exclusivity Agreement with the purchaser or its notified agencies as per format in Section XX.

.....

(Signature, name and address of the Tenderer's executive duly authorized to sign on behalf of the Tenderer)

For and on behalf of .....

(Name and address of the Tenderer)

(Seal of the Tenderer)





## Section XVI: Pre-Contract Integrity Pact

### INTEGRITY PACT

Between

Reserve Bank of India (RBI), Department of Currency Management (DCM) Central Office hereinafter referred to as "**The Principal**",

and

.....hereinafter referred to as "**The Tenderer / Contractor**"

#### **Preamble**

The Principal intends to award, under laid down organizational procedures, contract/s for ..... The Principal values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness / transparency in its relations with its Tenderer(s) and / or Contractor(s).

In order to achieve these goals, the Principal will appoint an Independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

#### **Section 1 – Commitments of the Principal**

(1) The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

- a. No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
- b. The Principal will, during the tender process treat all Tenderer(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Tenderer(s) the same information and will not provide to any Tenderer(s) confidential / additional information through which the Tenderer(s) could obtain an advantage in relation to the tender process or the contract execution.

- c. The Principal will exclude from the process all known prejudiced persons.
- (2) If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC / PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Officer and in addition can initiate disciplinary actions

## **Section 2 – Commitments of the Tenderer(s)/ contractor(s)**

- (1) The Tenderer(s) / Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.
- a. The Tenderer(s) / Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
  - b. The Tenderer(s) / Contractor(s) will not enter with other Tenderers into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelisation in the bidding process.
  - c. The Tenderer(s) / Contractor(s) will not commit any offence under the relevant IPC / PC Act, further the Tenderer(s) / Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details including information contained or transmitted electronically.
  - d. The Tenderer(s) / Contractor(s) of foreign origin shall disclose the name and address of the Agents / representatives in India, if any. Similarly the Tenderer(s) / Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" shall be disclosed by the Tenderer(s) / Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian agent / representative have to be in Indian Rupees only.

- e. The Tenderer(s) / Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or

intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

- (2) The Tenderer(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

### **Section 3 – Disqualification from tender process and exclusion from future contracts**

If the Tenderer(s)/Contractor(s), before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Tenderer(s) / Contractor(s) from the tender process or take action as per the procedure mentioned in the "Guidelines on Banning of business dealings".

### **Section 4 – Compensation for Damages**

- (1) If the Principal has disqualified the Tenderer(s) from the tender process prior to the award according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit / Bid Security.
- (2) If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to Section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the Contract value or the amount equivalent to Performance Bank Guarantee.

### **Section 5 – Previous transgression**

- (1) The Tenderer declares that no previous transgressions occurred in the last 3 years with any other Company in any country conforming to the anti corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- (2) If the Tenderer makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in "Guidelines on Banning of business dealings."

## **Section 6 – Equal treatment of all Tenderers / Contractors / Subcontractors**

- (1) The Tenderer(s)/ Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact, and to submit it to the Principal before contract signing.
- (2) The Principal will enter into agreements with identical conditions as this one with all Tenderers, Contractors and Subcontractors.
- (3) The Principal will disqualify from the tender process all Tenderers who do not sign this Pact or violate its provisions.

## **Section 7 – Criminal charges against violating Tenderer(s) / Contractor(s) / Subcontractor(s)**

If the Principal obtains knowledge of conduct of a Tenderer, Contractor or Subcontractor, or of an employee or a representative or an associate of a Tenderer, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same to the Chief Vigilance Officer.

## **Section 8 – Independent External Monitor / Monitors**

- (1) The Principal appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.
- (2) The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the Governor, RBI.
- (3) The Tenderer(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Tenderer(s)/ Contractor(s)/ Subcontractor(s) with confidentiality.
- (4) The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

- (5) As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.
- (6) The Monitor will submit a written report to the Governor, RBI, within 8 to 10 weeks from the date of reference or intimation to him by the Principal and should the occasion arise, submit proposals for correcting problematic situations.
- (7) Monitor shall be entitled to compensation on the same terms as being extended to / provided to Independent Directors on the RBI, Central Board of Directors.
- (8) If the Monitor has reported to the Governor, RBI, a substantiated suspicion of an offence under relevant IPC / PC Act, and the Governor, RBI has not, within the reasonable time taken visible action to proceed against such offence or reported it to the Chief Vigilance Officer, the Monitor may also transmit this information directly to the Central Vigilance Commissioner.
- (9) The word 'Monitor' would include both singular and plural.

### **Section 9 – Pact Duration**

This Pact begins when both parties have legally signed it. It expires for the Contractor 10 months after the last payment under the contract and for all other Tenderers 5 months after the contract has been awarded. If any claim is made / lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged / determined by Governor, RBI.

### **Section 10 – Other provisions**

- (1) This agreement is subject to Indian Law, Place of performance and jurisdiction is the Registered Office of the Principal i.e, Mumbai.
- (2) Changes and supplements as well as termination notices need to be made in writing. Side agreements have not been made.
- (3) If the Contractor is a partnership or a consortium, this agreement must be signed by all partners or consortium members.

(4) Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

\_\_\_\_\_  
(For & On behalf of the Principal)

(Office Seal)  
Place -----  
Date -----

Witness 1:  
(Name & Address)

\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
(For & behalf of  
Tenderer / Contractor)  
(Office Seal)

Witness 2 :  
(Name & Address)

\_\_\_\_\_  
\_\_\_\_\_

**List of Bankers.****Annex- I**

<b>Sl. No.</b>	<b>Name of the bank</b>	<b>Address of bankers</b>	<b>Name of the contract person</b>	<b>Telephone &amp; Fax number</b>

## ANNEX II – Technical Evaluation Matrix

Description	Purchaser's Requirements	Method of Technical Bid evaluation	Allotted Marks to	Criteria for marking		Minimum Score Required
				Criteria	Marks	
Processing Speed	Machines should have minimum speed of 30 Indian banknotes/sec (bns)	1) Self certification supported by technical manual, and	2	Submission	2	7
				Non-Submission	0	
		2) Certification from any other authorised user of such machines, and	2	Submission	2	
				Non-Submission	0	
		3) Physical evaluation of the machine by the Purchaser	6	<b>Speed</b>		
				<30	0	
				30	3	
≥ 30 < 35	5					
> 35	6					
Continuous feeder and feeding capacity	Continuous feeder with Minimum 4000 banknote (bn) feeding capacity	1) Self certification supported by technical manual, and	2	Submission	2	5
				Non-Submission	0	
		2) Physical evaluation of the machine by the	8	<b>Volume Marks</b>		



		Purchaser		< 4000	0	
				4000 to 6000	3	
				6000 to 8000	5	
				>8000	8	
Stackers	Minimum 6 stackers; extendable upto 2 more stackers	1) Self certification supported by technical manual, and	2	Submission	2	7
				Non- Submission	0	
		2) Physical evaluation of the machine by the Purchaser	8	<b>No. of stackers</b>		
				< 6	0	
				6 stackers (including reject)	5	
				6 stackers (excluding reject)	8	
Sensors – Classification of notes	The system shall be capable of processing all denominations and all series of Indian banknotes (Pre 2005 (A), 2005 series (B) and Mahatma Gandhi (New) Series (C))	1) Self certification supported by technical manual, and	2	Submission	2	10
				Non- Submission	0	
		2) Physical evaluation of the machine by the Purchaser (based on test deck)	8	<b>Series classification</b>		
				None	0	
				All series	8	

				identified		
Sensors – Fitness detection	Machines should be able to sort Indian Banknotes to fit and unfit categories on basis of soilage, wear, graffiti, tape, shape, hole, tear, folded and missing corner, stains, etc. as detailed in fitness sorting parameters in Section-V-Major Technical Specifications	1) Self certification supported by technical manual, and	2	Submission	2	5
				Non-Submission	0	
		2) Physical evaluation of the machine by the Purchaser (based on test deck)	8	<b>Result (correctness)</b>		
				90%	0	
				92%	2	
				95%	3	
				98%	5	
100%	8					
Sensors – Authenticity Detection	Machines shall have sensors to authenticate Indian banknotes on basis of their security features and properties	1) Self certification supported by technical manual, and	2	Submission	2	10
				Non-Submission	0	
		2) Physical evaluation of the machine by the Purchaser (based on test deck of counterfeit notes)	8	<b>Result (correctness)</b>		
				< 100 %	0	
				100%	8	
		Sensors – number reading capability	Machine should be able to read the serial Numbers of Indian banknotes and comparing the serial numbers of the same	1) Self certification supported by technical manual, and	2	
Non-Submission	0					

	banknote and rejecting if mismatch.	2) Physical evaluation of the machine by the Purchaser (based on test deck)	8	Only reading of the serial numbers of the banknote and storing it <b>(A)</b> .	2	
				<b>(A)</b> + reading & comparing the serial numbers of the same banknote and rejecting if mismatch <b>(B)</b>	3	
				<b>(A)</b> + <b>(B)</b> + capability of reading & comparing the serial number of the banknote with pre-stored data <b>(C)</b>	8	
Sensors – processing of substrates	Machines should be compatible with various substrates viz. cotton, polymer, cotton & polymer mix and hybrid substrates (plastic, paper between two layers of plastic, plastic between two layers of paper)	1) Self certification supported by technical manual, and	2	Submission	2	5
				Non-Submission	0	
		2) Physical evaluation of the machine by the Purchaser (based on test deck to be	8	<b>Substrate Recognition</b>		

		prepared by vendor)		90% correct	0	
				92 % correct	2	
				95% correct	3	
				98 % correct	5	
				100 % correct	8	
Sensors – third party sensors	Machine shall be able to support third party sensors supplied by the Purchaser. At least three slots should be available in the machine to install third party sensors	Self-certification supported by technical manual	2	Submission	2	6 (4 is compulsory for No. of slots and 02 is compulsory for self-certification)
				Non-Submission	0	
		Certification from any other authorised user of such third party sensors in machines, and	2	Submission	2	
				Non-Submission	0	
				<b>No. of slots</b>		
				< 3	0	
				3 to 4	4	
		> 4	6			
Shredding system and shreds	Machines should have online shredding system and the shred size shall be between 1.5 mm (width) and 18 mm (length)	1) Self certification supported by technical manual	2	Submission	2	10
				Non-Submission	0	
		2) Physical	8	<b>Size Shred</b>		

		evaluation of the machine by the Purchaser for which test deck will be provided by the purchaser.				
				Shred size between 1.5 mm (width) and 18 mm (length)	8	
Consistency and Reliability	Consistency Test is carried out by repeatedly processing the same banknotes in the CVPS. After each processing, the system will be switched off.	1) Self certification supported by reports, and	2	Submission	2	5
				Non-Submission	0	
		2) Physical evaluation of the machine by the Purchaser	8	<b>Result (correctness)</b>		
	The results of such tests for various categories of notes shall be equal to or greater than 95%			90%	0	
				92%	2	

				95%	3	
				98%	5	
				100%	8	
Sound level	Operating of all the equipment in a system shall not exceed 75 -80 db as measured at a distance of 1 m from any part of the machine	1) Self certification supported by reports, and	2	Submission	2	10
				Non-Submission	0	
		2) Physical evaluation of the machine by the Purchaser	8	≤ 75-80 db	8	
				> 80 db	0	
Sensors- up scalability	Machines should be upscalable to handle other denominations and dimensions as well	Self-certification supported by technical manual	10	Submission	10	10
				Non-Submission	0	
Upgrading Options and Speed	Machines shall be able to be upgraded/modified as per needs of purchaser w.r.t speed, technology, stackers, sensors, etc.	Self-certification supported by technical manual	10	Submission	10	10
				Non-Submission	0	

Compatibility with shred extraction, briquetting or granulating systems	The machines shall be compatible with third party shred extraction, briquetting or granulation systems	Self certification supported by technical manual	10	Submission	10	10
				Non-Submission	0	
Operating system(OS)	The Operating Software of the CVPS shall not be outdated or out of support from the OEM. In such a case, the bidder has to explain how the solution will be completely supported during the contractual period and subsequent period of 03 years without any back to back support from the OEM.	Self certification supported by technical manual	10	Submission	10	10
				Non-Submission	0	
Power Consumption/	The machines proposed to be supplied shall be compatible with the power supply as under: (i) 3 phases 400 V $\pm$ 5% Steady state conditions 400V $\pm$ 10% transient condition 50 Hz $\pm$ 1% Steady and	Self certification supported by technical manual	10	Submission	10	10

	transient conditions Total Harmonic content not to exceed 3%. Earth to Neutral Voltage not to exceed 5V. (ii) Single phase 230V $\pm$ 5% Steady state conditions 230V $\pm$ 10% transient conditions 50 Hz $\pm$ 1% steady and transient condition Total Harmonic content not to exceed 3%.			Non-Submission	0	
<b>Total Minimum Marks Required</b> <b>Bidder should also achieve minimum marks set for each parameter for qualification</b>						<b>135</b>