

Intelligent Communication Systems India Ltd. (ICSIL)

Intelligent Communication Systems India Ltd. (ICSIL)
(Joint Venture of TCIL – A Govt. of India Enterprise & DSIIDC – An Undertaking of Delhi Govt.)
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TENDER NO:F(1)/ICSIL/Auth/2012-13, Dated:21.09.2012

Empanelment of Vendors for Authentication Devices for ICSIL

Sealed quotations are invited from specialized IT firms /companies having relevant expertise, experience and technical knowhow in the area of providing Authentication Devices in the area of e-governance domain. Tender document containing terms & conditions can be had either from ICSIL office or down loaded from ICSIL's web-site <http://icsil.in> up to 27.09.2012 by 2:00 PM. **Last date for submission of tender is 28.09.2012 by 2:30 PM.** ICSIL reserves the right to reject the whole or any part of the tender without assigning any reason.

MD,ICSIL

Empanelment of Bidders for Authentication Devices for ICSIL

Tender Timelines :

Sl. No.	Description	Date & Time
1	Last date for receive/ downloading the tender document	27.09. 2012 by 2:00 PM
2	Last date of submission of the tender	28.09.12 by 2:30 PM
3	Pre-bid conference	24.09.2012 at 11:30 AM
4	Submission of queries through e-mail only	25.09.2012 by 4:00 PM
5	Clarification of the queries to the bidders through e- mail	26.09.2012 by 6.00 pm.
6	Opening of Bids	28.09.2012 at 3:30 PM

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Section 1: Background & Requirements/Scope

1.1 Intelligent Communication Systems India Ltd. is a joint venture of Telecommunication Consultants India Ltd. (TCIL), a Govt. of India Enterprise, under Ministry of Communications & IT and Delhi State Industrial and Infrastructure Development Corporation (DSIIDC), an Undertaking of Delhi Government.

ICSIL has made strong footprints in the field of Telecommunications and Information Technology. From 1987, the year of its inception, it has provided service in the IT sector, specializing in providing complete solutions in computerization and networking.

1.2 ICSIL proposes to empanel reputed firms having experience in e-Governance domain providing Authentication Solutions.

1.3 The empanelled bidders would be expected to provide Authentication Devices to the ongoing/new projects including bid process management, vendor selection preparation of tender/RFP and evaluation of bids.

1.4 Bidders will be empanelled for providing Authentication Devices to ICSIL for various government projects in India. The empanelment will be initially for a period of **One Year**, which can be extended through mutual consent for a further period of one year.

1.5 The empanelled bidders will provide Authentication Devices anywhere in India.

1.6 The tender document can be downloaded from ICSIL's website <http://www.icsil.in>. The bids are to be submitted as per procedure given in this document.

Section 2: Eligibility Criteria

2.1 The vendor must be an Original Equipment Manufacturer (OEM) or an OEM authorized vendor. Vendor/OEM has to offer all products being asked in tender from the same OEM.

Vendor/OEM needs to bid for all products asked in the tender. Partial Bid of tender is not allowed

2.2 The vendor must be a legal entity registered in our country under the appropriate laws.

2.3 The vendor /OEM must have a valid ISO 9001:2000 certificate.

2.4 The bidder should be having experience in supply of Authentication Devices operating in India for the last 1 year.

2.5 The bidder's turnover in India should be more than Rs. 5 Crores in the last financial years out of which, the bidder's turnover from Authentication Devices (Not from devices used for marking attendance) from India Operation should be more than Rs. 1 Crore.

2.6 Vendor/OEM must have successfully executed at least 2 projects each worth not less than Rs. 25 lac for the Supply of Bio Authentication/enrollment Devices (not for devices used for marking employee attendance i.e. Wall Mounted etc) for central government/state government/PSUs/Large corporate (Attach satisfactory completion from the authorized representatives of the client along with the work order).

2.7 The bidder should be registered with the Service Tax Department and should carry a valid PAN in the name of, the firm/company.

2.8 Should submit copy of (Articles of Association and Memorandum of Association) (in case of registered firms, under Indian Companies Act), or Partnership deed (in case of partnership firm).

2.9 An undertaking (self certificate) that the bidder hasn't been blacklisted by a Central /State Government institution and there has been no litigation with any Government Department/PSU/Corporation in Central/State Government on account of similar services.

Each page should be numbered and conformance to the eligibility criteria/technical bid should be indicated using an index page.

Section 3: Bidding Process

- a. Bidders are advised to study the bid document carefully. Submission of the Bid will be deemed to have been done after careful study and examination of all instructions, eligibility norms, terms and requirement specifications in the tender document with full understanding of its implications. Bids not complying with to the tender document are liable to be rejected. Failure to furnish all information required in the tender Document or submission of a bid not substantially responsive to the tender document in all respects will be at the bidder's risk and may result in the rejection of the bid.
- b. All the bids must be valid for the period of 180 days from the date of opening of the Tender. If necessary, ICSIL may extend the bid validity period beyond 180 days. The bidders, not agreeing for such extensions will be allowed to withdraw their bids without forfeiture for their EMD.

3.1. Bid Composition

The bid shall be submitted in the manner as given below and addressed to :

The Managing Director
Intelligent Communication Systems India Ltd. (ICSIL)
Administrative Building (above Post Office) ,
Okhla Phase-III, New Delhi-110020.

Tenders can be either downloaded from our web-site <http://icsil.in> or obtained from ICSIL's office from Manager (IT).

1. Two inner covers shall contain:

Cover 1: EMD and tender Fee: the envelope shall contain EMD in the form of Demand Draft/Pay order for an amount of Rupees 2,00,000/- (Rs. Two Lacs only) drawn from a scheduled Commercial Bank in favor of ICSIL, New Delhi.

(ii) Demand draft for Rs. 10,000/- as Tender Fees (tender fee is non – refundable and non –transferable). The envelope shall be sealed and superscripted “**EMD and Tender Fee** – For selection of Consultancy Firm.”

Technical Bid: Documents as required in the Tender shall be submitted in this envelope. The envelope shall be sealed and superscripted “technical for selection of consultancy firm.” The document should be properly bounded or

tagged with no loose sheets. Each page should be numbered and conformance to the eligibility criteria/technical bid should be indicated using an index page.

Cover 2: The financial BID only.

The above 2 envelopes shall be placed in an outer cover superscripted “ICSIL Tender for selection of consultancy firm” The outer cover shall be submitted to the office of Managing Director ICSIL on or before the due date and time for consideration of the bid.

3.2. Performance Guarantee:

A. The EMD of unsuccessful bidders shall be returned without interest after finalization of the tender.

B. EMD of the successful bidders shall be returned without any interest, on receipt of Performance Bank Guarantee (BG) of equal amount valid for a period of 6 months beyond the period of empanelment / extended empanelment. In case ICSIL assigns jobs to the empanelled bidders just before the end of the empanelment, the BG shall be extended for the period of one more year or till the satisfactory job completion, whichever is later. The BG shall be released after satisfactory job completion or expiry of empanelment, whichever is later as stated above.

3.3. Forfeiture of Earnest Money Deposit/Security Deposit: The Earnest Money Deposit can be forfeited, if a Bidder:-

- (a) Withdraws its bid during the period of bid validity.
- (b) Does not accept the correction of errors.
- (c) In case of the successful Bidder Failed to sign the contract agreement or Deposit Performance Guarantee within the specified time period

3.4. Pre bid meeting

ICSIL will hold a pre bid meeting with the prospective bidders at 11:30AM on 24/09/2012 in the ICSIL’s conference hall to explain the requirement and purpose of the Tender. The queries can be addressed to Mr. Anshul , VP-IT, ICSIL through email to quotations@icsil.in under the subject “Empanelment of bidders for supply of Authentication Devices – Queries”.

Clarification to the queries: Queries from the bidder shall be received through e-mail by 25.09.2012 up to 4:00PM. Clarification to queries shall be

mailed to the bidders through e-mail on 26.09.2012 by 6:00 PM. Queries received after due date will not be entertained.

- a. Bids, complete in all respects, must be submitted to the office of the Managing Director ICSIL by the due date and time.
- b. ICSIL may, at its own discretion, extend the date for bid submission. In such a case all rights and obligations of ICSIL and the Bidders shall be applicable to the extended time frame.
- c. Any bid received by ICSIL after the prescribed deadline for submission of bids will be summarily rejected and **returned unopened to the Bidder**. ICSIL shall not be responsible for any postal delay or non-receipt / non-delivery of the documents. No further correspondence on this subject will be entertained.
- d. The bids submitted by telex/telegram/fax/Email or any manner other than specified above will not be considered. No correspondence will be entertained on this matter.
- e. At any time prior to the last date for receipt of bids, ICSIL, may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the Tender Document by an amendment. The amendment will be notified on ICSIL's website <http://icsil.in> and should be taken into consideration by the prospective bidders while preparing their bids. Lapses of any kind on the part of the bidder will be at sole risk of bidder.
- f. In order to give prospective bidders reasonable time to take the amendment into account in preparing their bids, ICSIL may, at its discretion, extend the last date for the receipt of bids. No bid may be modified subsequent to the last date for receipt of bids. No bid may be withdrawn in the interval between the last date for receipt of bids and the expiry of the bid validity period specified by the bidder in the bid. Withdrawal of a bid during this interval may result in forfeiture of Bidder's EMD.
- g. The bidders will bear all costs associated with the preparation and submission of their bids. ICSIL will, in no case, be responsible or liable for those costs, regardless of the outcome of the tendering process.

- h. Printed terms and conditions of the bidders, will not be accepted as forming part of their bid. The terms and conditions including eligibility criteria as laid down in the Tender Document are firm and final and deviation in any form there to shall not be accepted and entertained.

3.6. Opening of Bids

The bids will be opened in the presence of bidders' authorized (only one) who choose to attend the Bid opening sessions on 28.09.2012 at 3:30 PM. The bidders' representatives who are present shall sign a register evidencing their presence. In the event of the specified date of Bid opening being declared a holiday for ICSIL, the Bids shall be opened at the same time and location on the next working day.

3.6.1. Opening of Cover 1 -EMD and Technical Bid

Prior to opening of the Cover 1, ICSIL shall announce the names of bidders, who have given advance notice for modification to or withdrawal of their bids from the tendering process well before the last date and time for the submission of bids. Bids of such bidders shall be returned to their representatives, if present or sent by post unopened to their addresses without fortified EMD. Subsequent to this, EMD & Tender Fee envelope will be opened. Bids not accompanied with the requisite EMD and Tender fee shall be summarily rejected.

Technical bid (and technical bid modifications, if any) envelope of only those bidders, whose EMD and Tender fee are in order, shall be opened on the same date and time. The bids will then be passed on to a duly constituted Technical Evaluation Committee (TEC) for evaluation

3.6.2. Opening of Cover-2 i.e. -Financial Bid

Financial Bid envelope of only those bidders, whose Technical Bid is qualified shall be opened.

3.7. Bid Validity

All the bids must be valid for a period of 180 days from the date of tender opening. However, the rates should be valid for the initial/extended period of empanelment. No request will be considered for price revision during the empanelment (contract) period. If necessary, ICSIL will seek extension in the bid validity period beyond 180 days. The bidders, not agreeing for such

extensions will be allowed to withdraw their bids without forfeiture of their EMD.

3.8. Evaluation of bids

- a. When deemed necessary, during the evaluation process ICSIL may seek clarifications on any aspect of their bid from the bidder. However, that would not entitle the bidder to change or cause any change in the substance of the tender submitted. This would also not mean that their bid has been accepted.
- b. Any effort by a bidder to influence ICSIL's bid evaluation, bid comparison or contract award decisions may result in the rejection of the bidder's bid and forfeiture of the bidder's EMD.
- c. ICSIL reserves the right to accept any bid, and to cancel/abort the Tender process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected bidders or bidders and of any obligation to inform the affected bidders of the grounds for ICSIL's action and without assigning any reasons.

3.8.1. Eligibility Criteria

The bids will be evaluated by a duly constituted Technical Evaluation Committee (TEC). Bids, not satisfying the eligibility criteria will be rejected. The TEC will then evaluate information submitted in **Annexure-I** as per tender terms. The TEC may call the eligible bidders for a presentation of the projects handled by them and quoted here. The time limit, in which the bidders' have to submit the additional information or present their projects, will be decided by the TEC and its decision will be final in this regard. Bidders failing to adhere to the specified time limit will be rejected.

3.8.2 Consortiums are strictly not allowed.

3.9. Award of Contract (Empanelment)

- a. On written communication from ICSIL for having qualified for empanelment the bidder will sign the contract Agreement and Deposit Performance Guarantee (letter of empanelment) within 15 days of such communication, failing which, the offer will be treated as withdrawn and EMD forfeited. ICSIL reserves the right to extend the offer to the next eligible bidder.

b. ICSIL will select a bidder for availing the services during the period of empanelment, which will be initially **for One year**. Depending on the project requirements, ICSIL may extend the period of empanelment for additional one year through mutual consent. The empanelled bidders will have to renew/re-submit the security deposit for the extended period of empanelment. As given in the preceding paragraph 4.2 i.e. Performance Guarantee.

c. The bidder selected for empanelment will give security deposit of Rs. 2,00,000 (Rs. Two Lakhs) in the form of Bank Guarantee from a scheduled commercial bank in favor of MD, ICSIL, for the duration of the empanelment or extended period, if any, in favor of ICSIL, New Delhi within 15 days of receipt of work order. On receipt of Performance Guarantee, EMD will be refunded without any interest.

d. The incidental expenses of execution of agreement / contract will be borne by the successful bidder.

e. The conditions stipulated in the contract will be strictly adhered by the bidders and violation of any of these conditions will entail termination of the contract without prejudice to the rights of the ICSIL. In addition, ICSIL will be free to forfeit the Security deposit and getting the assigned work done from alternate sources at the risk and cost of the defaulting bidder.

3.10. Termination for Insolvency, Dissolution etc

ICSIL may at any time terminate the empanelment by giving written notice within 30 days to the bidder without any compensation if the empanelled bidder becomes bankrupt or otherwise insolvent or in case of dissolution of firm or winding up of company, provided that such termination will not prejudice or effect any right of action or remedy which has accrued thereafter to ICSIL.

3.11. Change of Name of the Firm

During empanelment period, if the bidder's name is changed due to acquisition, amalgamation etc., bidder must inform ICSIL with all required documents within one month of its name change failing which all dues to the firm will remain on hold. ICSIL will not entertain any name change requests during the bidding process. In this case the bid will be rejected straightaway.

3.12. Termination for Convenience

ICSIL reserves the right to terminate by prior written notice, the whole or part of the contract. The notice of termination will specify that termination is for ICSIL's convenience, the extent to which performance of work under the contract is terminated and the date on which such termination becomes effective.

3.13. No Claim Certificate

The empanelled bidder will not be entitled to make any claim, whatsoever, against ICSIL under or by virtue of or arising out of this contract nor will ICSIL entertain or consider any such claim for the jobs accepted post empanelment.

3.14 Suspension

ICSIL may by a written notice of suspension, suspend all payments to the empanelled bidder under the contract, if the empanelled bidder fails to perform any of its obligations under this contract provided that such notice of suspension:

- a. will specify the nature of the failure and
- b. will request the empanelled bidder to remedy such failure within specified period from the date of issue of such notice of suspension.

3.15 Confidentiality

The empanelled Bidder and their personnel will not, either during the term or after expiration of this contract, disclose any proprietary or confidential information relating to the services, contract or business or operations of ICSIL or its clients without the prior written consent of ICSIL.

3.16 Security

- a. The agency will ensure that no information about the software, hardware, database and the policies of the client organization is taken out in any form including electronic form or otherwise, from the client site by the manpower posted by them.
- b. The agency or its deployed personnel, by virtue of working on ICSIL/Client's projects, can't claim any rights on the work performed by them. ICSIL/Client will have absolute rights on the work assigned and performed by them. Neither any claims of the agency or its deployed professionals will be entertained on the

deliverables. All documents, deliverables generated during the tenure of empanelment of the time, will be the property of ICSIL and shall be handed over to ICSIL in both soft as well as hard copies in two set each. Similar copies (soft as well hard) shall be provided for each version of the document to ICSIL by the firm.

3.17 Indemnity

a. The empanelled agency will indemnify ICSIL and its client organizations of all legal obligations of its professionals deployed for ICSIL projects.

b. ICSIL and its Clients also stand absolved of any liability on account of death or injury sustained by the Agency staff during the performance of this empanelment and also for any damages or compensation due to any dispute between the agency and its staff.

3.18 Termination for Insolvency & Default

Termination for Insolvency

ICSIL may at any time terminate the work order / contract by giving written notice of four weeks to the agency, without any compensation to the agency, if the agency becomes bankrupt or otherwise insolvent or failed to execute the project as per timelines and satisfaction of ICSIL or client department.

Termination for Default

- a. Default is said to have occurred If the agency fails to deliver any or all of the services within the time period(s) specified in the work order or any extension thereof granted by ICSIL.
- b. If the agency fails to perform any other obligation(s) under the contract / work order.

If the agency, in either of the above circumstances, does not take remedial steps within a period of 30 days after receipt of the default notice from ICSIL (or takes longer period in spite of what ICSIL may authorize in writing), ICSIL may terminate the contract / work order in whole or in part. In addition to above, ICSIL may at its discretion also take the following actions:

- a) ICSIL may transfer upon such terms and in such manner, as it deems appropriate work order for similar support service to other agency and the defaulting agency will be liable to compensate ICSIL for any extra expenditure involved towards support service to complete the scope of work totally.

4: Penalty for delays

Project assignments to the empanelled bidders will be on the basis of time/cost estimates submitted by the bidders, duly evaluated by the PC and approved by the competent authority. Each project, therefore, will have a definite date of project completion. For any time slippages, the bidders can induct more resources at their cost to meet the time schedules.

Section 5: Payment Terms

a. The payments will be released against pre-receipted bills in triplicate in the name of ICSIL. Payment will be made within 7 days of submission of complete documents on back to back to basics.

b. 80% amount shall be released after delivery of material and successful installation of material at client's premises. Delivery Challan and installation certificate should be duly signed and stamped by the client department. The payment shall be released on back to back basis i.e. only after receipt of payment from client department.

Balance 20% shall be released on back to back basis after receipt of payments from the client.

c. Service Tax, or any other tax, as applicable, will be paid extra as admissible under the rules .

Section 6: General Terms and Conditions

- a. ICSIL may by written notice sent to the empanelled bidder; terminate the work order and/or the Contract, in whole or in part at any time of its convenience. The notice of termination will specify that termination is for ICSIL's convenience, the extent to which performance of work under the work order and /or the contract is terminated, and the date upon which such termination becomes effective. ICSIL reserves the right to cancel the remaining part and pay to the selected vendor an agreed amount for partially completed Services.
- b. In the event of the bidder's company or the concerned division of the company is taken over / bought over by another company, all the obligations under the agreement with ICSIL, should be passed on for compliance by the new company / new division in the negotiation for their transfer.
- c. The empanelled bidder automatically agree with ICSIL for honoring all aspects of fair trade practices in executing the work orders placed by ICSIL.

Section 7: Force Majeure

a. Notwithstanding the provisions of the tender, the Bidder will not be liable for forfeiture of its performance guarantee, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.

b. For purposes of this Clause, “Force Majeure” means an event beyond the control of the Bidder and not involving the Bidder and not involving the Bidder’s fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of ICSIL either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

c. If a Force Majeure situation arises, the empanelled Bidder will promptly notify ICSIL in writing of such conditions and the cause thereof. Unless otherwise directed by ICSIL in writing, the Bidder will continue to perform its obligations under the contract as far as reasonably practical and will seek all reasonable alternative means for performance not prevented by the Force Majeure event. ICSIL may terminate this contract, by giving a written notice of minimum 30 days to the Bidder, if as a result of Force Majeure, the Bidder being unable to perform a material portion of the services for a period of more than 60 days.

Section 8: Arbitration and Jurisdiction

In the event of any dispute or difference arising out of under or in connection with this MOU, the parties shall appoint their respective designated officers to meet for the purpose of resolving such dispute of difference amicably by mutual consent. If the Officers fail to resolve the dispute, the same will be referred to the Managing Director (ICSIL), who may himself act as sole arbitrator or appoint a person as arbitrator to arbitrate upon the disputes in terms of the Arbitration Act 1956.

Such arbitration will be governed in all respects by the provision of the Indian Arbitration Act, 1996 or later and the rules there under and any statutory modification or reenactment, thereof. The arbitration proceedings will be held in New Delhi, India.

Section 9: Applicable Law

The work orders will be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/processing. Any default in the terms and conditions of the tender by the bidder will lead to rejection of bid/work order and forfeiture of EMD/Security Deposit.

Annexure-I: Eligibility Criteria For Bid

Sr No	Criteria	Supporting Documents	Compliance
1	The bidder should be a Company registered under the Companies Act, 1956 or a partnership registered under the India Partnership Act 1932 with their registered office in India for the last two years .	Certificate of Incorporation / Registration	Y/N
2	The bidder shall not be blacklisted by any Central / State Government (Central/ State Government and Public Sector)) or under a declaration of ineligibility for corrupt or fraudulent practices as of 30th June 2012.	A self certified letter by the authorized signatory of the bidder must be submitted on original letter head of the bidder with signature and stamp.	Y/N
3	The responding Company must have on its rolls requisite Support staff of at least 2 technically qualified personnel	Certificate from Head (HR) for number of technically qualified professionals employed by the company	Y/N
4	The responding Company should have an annual turnover of at least Rs 5 crore in last financial year.	Copy of the Audited Profit and Loss Account/ Balance Sheet/ Annual Report of the financial years.	Y/N
5.	The bidder should have completed two orders of supply of Bio authentication/enrollment Devices (Not for devices being used for marking employee attendance) of value more than Rs 25 lac each in the last financial year.	Copy of Work Order/LOI to be attached.	Y/N
6.	Certificates of satisfactory completion of Supply of Authentication Devices	From the client To be attached.	Y/N
7.	Bidder having an office in Delhi/NCR is a must since minimum 1 year	Copy of Company registration in Delhi/NCR	Y/N

Annexure-II: Technical Specification Sensor-1

SNO.	Technical Specification	Functional Requirement	Compliance	Deviation
1	Sensor Type	Optical Only STQC Certified sensor only		
2	Platen Area	14 X 22 mm		
3	Image Quality	Must be listed on "IAFIS Certified Product list" posted on the https://www.fbiiospecs.org/IAFIS/Default.aspx under "PIV Single Finger Capture Devices"		
4	Extractor Quality	MINEX compliance		
5	NFIQ Quality Software	Inbuilt NFIQ quality software either at device level or extractor level		
5	Resolution	500 DPI		
6	Gray Scale/Image type	8 Bit, 256 levels		
7	Extractor & Image	ISO 19794(2) for		

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	template Standard	fingerprint minutiae template		
		ISO 19794(4) for fingerprint Image template		
8	Platen	Rugged, IP54		
9	Operating temperature	0 to 50 Degrees		
10	Humidity	10 to 80 %		
11	Environment health & safety	ROHS certification		
12	Safety	UL or IEC60950 compliance		
13	EMC compliance	FCC class A or equivalent		
14	Operating System environment	Windows and Linux		
15	Connectivity	Standard USB connectivity		
16	Weight	=< 55gm		

Annexure-III: Technical Specification Sensor-2

SNO	Technical Specification	Functional Requirement	Compliance	Deviation
1	Sensor Type	Optical only STQC Certified sensor only		
2	Platen Area	23 X 23 mm		
3	Image Quality	Must be listed on "IAFIS Certified Product list" posted on the https://www.fbibiospececs.org/IAFIS/Default.aspx under " PIV Single Finger Capture Devices		
4	Extractor Quality	MINEX compliance		
5	NFIQ Quality Software	Inbuilt NFIQ quality software either at device level or extractor level		
5	Resolution	500 DPI		
6	Gray Scale/Image type	8 Bit, 256 levels		
7	Extractor & Image template Standard	ISO 19794(2) for fingerprint minutiae		

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		template		
		ISO 19794(4) for fingerprint Image template		
8	Platen	Rugged, IP54 rating		
10	Operating temperature	0 to 50 Degrees		
12	Humidity	10 to 80 %		
14	Environment health & safety	ROHS certification		
15	Safety	UL or IEC60950 compliance		
16	EMC compliance	FCC class A or equivalent		
17	Operating System environment	Windows and Linux		
18	Connectivity	Standard USB connectivity		

Annexure-IV: Technical Specification- Handheld

SNO.	Technical Specification	Functional Requirement	Compliance	Deviation
1	Form Factor	Integrated Handheld		
2	Bio Scanner	Optical only. STQC Certified sensor only		
3	Communication Protocol	Support for HTTPS between device and Authentication User Agency's server		
4	Connectivity	Device must have inbuilt GPRS modem. Ethernet and PSTN (Via docking station)		
5	Processor	ARM9		
6	Memory RAM	RAM: minimum 16 MB Flash memory: minimum 64 MB In-built micro SD card slot for extending the memory up to minimum 8GB		
7	Security	Support for application to authenticate and perform Best Finger Detection as per UIDAI's Aadhaar Authentication API 1.6 and UIDAI's Aadhaar Best Finger Detection (BFD) API 1.6 Support for Encryption/Encoding capabilities as per UIDAI's Aadhaar Authentication API 1.6 and UIDAI's Aadhaar Best Finger Detection (BFD) API 1.6		

8	Display	<p>Large display >2.5", - Number of pixels 128 X 64 (for Monochrome) or 320 X 240 QVGA definition (for Color) -Display clearly visible and legible in bright sunlight as well as dimly lit conditions -Power management function for display to conserve battery -Ability to display icons and other graphical objects</p>		
9	User Interface	Graphical icon based and local language support		
10	External Interfaces	<p>-Option for PSTN modem, Ethernet -Option for at least 1 USB port</p>		
11	Printer	<p>In-built thermal printer, 200 dpi resolution High speed – preferably up to 30 lines per sec Power management for printer to conserve battery</p>		
12	Key pad	<p>Large backlit keypad Minimum 15 keys or higher (including alphanumeric, function and navigation keys for easy operation)</p>		
13	Speaker	Voice confirmation of the transaction is required		
14	Battery life	<p>At least 2000 mAh for transactions throughout the day -Power management functions for conserving battery</p>		

		- Charging via docking station or USB port		
15	Power Adaptor	100-240V , 50/60 Hz with Surge protection		
16	Standards & Certifications	-PCI PTS v2.x/3.x compliant terminal -EMV L1 and L2 compliant terminal - STQC certification (fingerprint sensor)		
17	Environment	Operating Temperature: 0°C to 45°C Storage Temperature: -20°C to 55°C Maximum relative humidity: 85% at 40°C (no condensation)		
18	Warranty and Support	1 year warranty		
19	Minimum Bio-Sensor Platen Area	14 mm X 22 mm		

Intelligent Communication Systems India Ltd. (ICSIL)

Annexure-V: Financial Bid Performa

Name of the Bidder:

Sl.No.	Description	Unit Rate (RS.) (Taxes Extra)
1	Sensor 1 – Make and Model	
2.	Sensor 2 – Make and Model	
3.	Handheld – Make and Model	

Taxes Extra as applicable

Date:

Authorized Signatory

Place:

Name:

Seal of the Company