

**National Institute of Technology Sikkim**  
Ravangla Campus, Barfung Block, South Sikkim - 737139

**Notice Inviting Tender**

**“Supply, Installation, Commissioning and Testing of Information Security Laboratory Software & Hardware” at NIT Sikkim, Ravangla Campus**

Tender No: 11/NITS/CSE/Information Security/2016/01/1		Date:18/01/2017
Pre bid meeting and demo of equipment	13 <sup>th</sup> February, 2017, 11 am at academic block of NIT Sikkim Ravangla Campus	
Closing Date & Time for submission of bid	26 <sup>th</sup> February, 2017, 5:00 pm	
Opening Date & Time (Technical bid)	Friday, 28 <sup>th</sup> February 2017, 11 am, at ICTI Office	
Bid to be submitted to	Head of the Department, Computer Science and Engineering, National Institute of Technology Sikkim Ravangla Campus, Barfung Block, South Sikkim 737139.	
Contact for any clarification	pankajkeserwani.cse@nitsikkim.ac.in	
Place of opening of bid	ICTI room, National Institute of Technology Sikkim, Ravangla Campus, Barfung, South Sikkim, 737139	
Tender fee	Rs.500/- (nonrefundable) in form of a Demand Draft drawn in favour of DIRECTOR, NIT Sikkim payable at Ravangla, South Sikkim.	
Earnest Money Deposit (EMD)	<ol style="list-style-type: none"><li>1) For unit-A: Rs.170000/- (One Lakh Seventy Thousand only) in the form of a Demand Draft drawn in favour of DIRECTOR, NIT Sikkim payable at Ravangla, South Sikkim, and valid for a period of 60 days from the date of opening bid.</li><li>2) For unit-B: Rs.30000/- (Thirty Thousand only) in the form of a Demand Draft drawn in favour of DIRECTOR, NIT Sikkim payable at Ravangla, South Sikkim, and valid for a period of 60 days from the date of opening bid.</li></ol>	

National Institute of Technology (NIT) Sikkim, Ravangla, South Sikkim invites tender for “Supply, Installation, Commissioning and Testing of Information Security Laboratory Software & Hardware” for Information Security Laboratory at NIT Sikkim, as per the items and specifications given in the Schedule attached to the Tender form annexed hereto. All offers should be made in English and should be written in both figures and words. Tender forms can be downloaded from the website of the Institute ([www.nitsikkim.ac.in](http://www.nitsikkim.ac.in)).

The bidders are requested to read the tender document carefully and ensure compliance with all specifications/instructions herein. Noncompliance with specifications/ instructions in this document may disqualify the bidders from the tender process. The Institute reserves the right to accept or reject any quotations or to select the item (in single or multiple units) or to reject the bidding process or any quotation wholly or partly without assigning any reason. Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored and rejected.

The Tender document comprises of two parts, that is, (I) EMD, Tender Fees, & Technical Bid and (II) Financial Bid. The envelopes containing EMD , Tender fees , Technical Bid and Financial bid should be kept in separate envelopes and all the envelopes should be kept in another envelope super-scribing with Tender No, Date

and “Supply, Installation, Commissioning and Testing of Information Security Laboratory Software & Hardware” for Information Security Laboratory at NIT Sikkim.

Head of the Department,  
Computer Science and Engineering,  
National Institute of Technology Sikkim

## Terms and conditions:

1. The technical and financial bids should be quoted separately and put in different sealed envelopes marked “**Technical bid**” and “**Financial bid**” as applicable and are to be put in separate sealed envelopes, which should also be sealed in other envelope. The EMD may be given of amount as mention above should be enclosed in the technical bid in the formed of A/C payee DD in favor of “**Director, NIT Sikkim**”.
2. Those who have already participated in the tender number 11/NITS/CSE/Information Security/2016-17/01 dated 19/07/2016; they have to send the updated document without tender fees. However they have to send the mentioned amount EMD already returned to them which will not be considered as valid EMD.
3. The financial bid should include the cost of **Software, Hardware and/construction items**. If there is any separate cost for installation, training twice in a year etc. that should be quoted separately. The quotations shall be submitted in a sealed envelope duly marked “Quotation against Tender No.: 11/NITS/CSE/Information Security/2016/01/1 dated 18/01/2017 due on 26/02 /2017 on the corner of the envelope.
4. The bidder must submit the quotations for the all items related to unit-1 or unit-2 or both unit-1 and unit-2 otherwise the quotation will be rejected.
5. The printed literature and catalogue/brochure giving full technical details should be included with the technical bid to verify the specifications quoted in the tender. The bidders should submit copies of suitable documents in support of their reputation, credentials and past-performance. The rates should be quoted in figures (typed or printed) and cutting in form of striking off should be avoided. The final amount should be in figures as well as in words. If there are overwriting, they should be duly signed by competent authority, failing which the bids are liable to be rejected. No alternate price will be entertained in the quotation. The technical and financial bids should be addressed to:

Head of the Department,  
Computer Science and Engineering  
National Institute of Technology Sikkim Ravangla  
Campus, Barfung Block, South Sikkim 737139.

6. All tender documents should have to be sent through courier, speed post or registered post only or may be dropped in the tender box at NIT Sikkim, administrative building. All tender documents received after the specified date and time should not be considered.
7. All participating bidders have to demonstrate software in pre bid meeting at NIT SIKKIM. Only after satisfactory demonstration of all features (as per technical specification), bidders are eligible to submit their technical & financial bid.
8. Quotation received after the closing date/time will not be considered.
9. All the terms and conditions of GFR 2005 of the Government of India will be applicable.
10. While sending rates, the firm shall give an undertaking to the effect that “the terms/conditions mentioned in the inquiry letter/Tender Notice against which the rates are being given are acceptable to the firm.” In case the firms do not give this undertaking, their rates will not be considered.
11. If a supplier/firm is original equipment manufacturer (OEM)/authorized dealer/sole distributor of any item, the certificate to this effect must be attached.
12. Eligible bidders must bid & supply all items as mentioned in technical specifications.
13. The quantity shown against the item is tentative and NIT Sikkim may decrease or increase the number based on requirement of the Institute and the rate quoted will be applicable in all such cases.
14. All tenders in which any of the prescribed conditions is not fulfilled or any condition is put forth by the tendered shall be summarily rejected.
15. If the successful bidder fails to supply the Software & Hardware within the stipulated time, then the EMD may be forfeited.
16. The goods, articles, materials supplied by the supplier shall be accepted after inspection by an officer authorized by the competent authority. **Articles/materials which do not conform to the specifications laid down in the terms and conditions or damaged in transit shall be rejected.**

17. Successful bidder shall have to deposit PBG @10% of P.O. value with validity 60 days after warranty period as DD in favour of the Director, NIT Sikkim before payment or same amount shall deduct from P.O. and balanced shall pay to supplier.
18. The cost of the tender document is Rs. 1000/-. The bidders who are downloading the document from the website should send demand draft of Rs. 1000/- drawn in favour of “The Director, NIT Sikkim” payable at Ravangla.
19. The bidders or their authorized representative may also be present during the opening of the Technical Bid, if they desire so, at their own expenses. Price bids of only those bidders will be opened whose technical bids are found suitable by the committee appointed for the purpose. Date and time of opening of price bids will be decided after the committee has evaluated technical bids. In exceptional situation, an authorized committee may negotiate price with the qualified bidder quoting the lowest price before awarding the contract.
20. Clarifications: In case the bidder requires any clarification regarding the tender documents, they are requested to contact Mr. Pankaj Kumar Keserwani, Assistant Professor, NIT Sikkim on or before due date (e-mail: pankajkeserwani.cse@nitsikkim.ac.in).
21. Supplier/Bidder must provide valid Trade License, VAT Registration Certificate, PAN Number and other statutory applicable documents with Tender application as Technical Bid.
22. **TRAINING & TECHNICAL SUPPORT:** Comprehensive training (for software(s) & hardware(s) along with related case studies), maintenance & technical support should be executed by selected bidder.
23. **Pre – Qualification Criteria:**
  - a. Bidders should be the manufacturer/authorized dealer. Letter of Authorization from original equipment manufacturer (OEM) on the same and specific to the tender should be enclosed.
  - b. An undertaking from the OEM is required stating that they would facilitate the bidder on a regular basis with technology/product updates and extend support for the warranty as well. In case of proprietary items, suitable declaration documents from the manufacturer to be submitted.
24. **Prices:** The Prices quoted should be inclusive of all taxes or duties, packing, forwarding, freight, insurance, delivery and commissioning etc. at destination site (NIT Sikkim, Ravangla, Sikkim). The rates shall be firm and final. Nothing extra shall be paid on any account. Way bill shall be provided by Institute but vendor must add 1% on the base price as ECESS payable to Govt. of Sikkim. If NIT Sikkim pay any tax then same amount shall deduct from invoice and balanced will be paid to vendoe/supplier.
25. **Validity:** The bid should be valid for acceptance for a period of 60 Days. The Bidders should be ready to extend the validity on request, if required.
26. **Delivery:** The Equipment should be delivered and installed at NIT Sikkim Ravangla Campus, within the period as specified in the purchase order and be ready for use within 4 weeks of the issue of purchase order unless otherwise prescribed.
27. **Liquidated Damage:** If the bidder fails to deliver and place any or all the Equipment or perform the service by the specified date, penalty at the rate of 1% per week of the total order value subject to the maximum of 10% of total order value will be deducted.
28. **Warranty:** The period for which the warranty shall be in force, should be mentioned by the bidder exclusively. Bidders must give the comprehensive onsite warranty as required from the date of successful installation of Equipment against any manufacturing defects and also give the warranty declaration that *“everything to be supplied by us hereunder shall be free from all defects and faults in material, workmanship and shall be of the highest quality and material of the type ordered, shall be in full conformity with the specification, as specified in the tender document.”*

Any deviation in the material, and the specifications from the accepted terms may liable to be rejected and the bidders need to supply all the goods in the specified form to the satisfaction/specifications specified in the order / contract and demonstrate at the their own cost.

## Annexure-A

### Technical Specifications

#### 1. Mobile Forensic Extraction Device

- Physical extraction and decoding while bypassing pattern lock / password / PIN from Android devices including HTC, Motorola, Samsung Galaxy S, SII, SIII family.
- Physical extraction from BlackBerry devices running OS 4-7. Exclusive decoding: BBM data, apps, emails, Bluetooth.
- Widest support for extraction and decoding from Apple devices running iOS3+.
- Physical extraction and decoding from locked Nokia , BB5 devices – password extraction from selected Devices
- access to locked devices by bypassing, revealing or disabling the user lock code
- File system extraction from any device running Windows phone 7.5 and 8 including Nokia, HTC, Samsung, Huawei and ZTE
- physical extraction from phones with Chinese chipsets and other similar chipsets
- trip-log decryption, and data extraction from other portable GPS devices
- Rich set of decoding: Apps data, passwords, emails, call history, SMS, contacts, calendar, location information.
- unique, rich set of analysis features including timeline, project analytics, malware detection and watch list
- Generate and customize easy-to-read reports in a variety of formats.
- Compact and lightweight case along with touch screen enabled.

#### 2. Forensics software

- Remote Forensic Capability which must provide investigators the ability to preview and collect from a remote computer quickly and easily. User is able to triage and/or acquire an image of individual files, directories, partitions, or physical devices as well as physical memory and process memory.
- Distributed Processing of evidence across one or multiple machines in a lab. Idle machines in the lab to handle processing while leaving primary machines free for investigation and analysis.
- Simplifying, automating and increasing the speed of evidence processing and acquisition by Distributing the processing workload across multiple machines; Queuing evidence in the jobs list to be processed; Prioritizing the execution of evidence to be processed; Monitoring the processing progress of evidence. It should optimize system resources to process the data more efficiently, significantly increasing processing speeds.
- Support for physical and logical Android acquisitions including Kindle Fire as well as the latest versions of Android like Jelly Bean and Ice Cream Sandwich. logical acquisitions of iOS devices, including the latest iPhone and iPads, as well as other popular models of smart phones and tablets, including Blackberry, Samsung.
- Searching across the entire case from one easy-to-use, faster, flexible, and more powerful search interface.
- Gallery view option to quickly reveal all photographs and graphics files stored on hard drives and other media.
- Timeline view option to provide an easily adjustable, graphical calendar like display for file activity of particular interest.
- Full Unicode support to allow users to search text and fonts from any foreign country and in any language.
- Support acquisition Restart facility: continue a windows-based acquisition from its point of interruption.
- Inbuilt LinEn utility to acquire evidence via boot disk
- Inbuilt WinEn utility to acquire RAM evidence
- Image verification by CR and MD5
- Inbuilt support for writing scripts & should have pre-built scripts
- Support more than 150 Filters and Conditions
- Support combining filters to create complex queries using simple "OR" or "AND" logic
- Inbuilt Active Directory Information Extractor
- Automatically rebuild the structure of formatted NTFS and FAT volumes.

- Recovery of deleted files/folders
- Inbuilt windows event log parser, Link file parser to search in unallocated space
- Inbuilt support for Compound (e.g., zipped) document and file analysis.
- support file Signature analysis
- Native viewing support for ~400 file formats
- Built-in Registry Viewer
- Meet the mentioned criteria for searching: Unicode index search , Binary search, Proximity Search , Internet and email search, Active Code Page: keywords in many languages, Case Sensitive, GREP , Right to Left Reading, Big Endian/Little Endian, UTF-8/UTF-7, Search file slack and unallocated space etc.
- Support Internet and Email Investigation for: Browser History Analysis, WEB History & cache analysis, Kazaa toolkit, HTML carver, HTML page reconstruction, Internet artifacts, Instant Messenger toolkit - Microsoft® Internet Explorer, Mozilla Firefox, Opera and Apple Safari
- Include Email Support for: Outlook PSTs/OSTs ('97-'03), Outlook Express DBXs, Microsoft Exchange EDB Parser, Yahoo, Hotmail, MBOX archives, Netscape Mail, AOL 6.0, 7.0, 8.0 and 9.0 PFCs, Lotus Notes v6.0.3, v6.5.4 and v7
- Include System Support for: Hardware and software RAIDs; Dynamic disk support for Windows 2000/XP/2003 Server; Interpret and analyze VMware, Microsoft Virtual PC, DD and SafeBack v2 image formats; File systems: Windows FAT12/16/32, NTFS; Macintosh HFS, HFS+; Sun Solaris UFS, ZFS; Linux EXT2/3; Reiser; BSD FFS, FreeBSD's Fast File System 2 (FFS2) and FreeBSD's UFS2; Novell's NSS & NWFS; IBM's AIX jfs, JFS and JFS with LVM8; TiVo Series One and Two; CDFS; Joliet; DVD; UDF; ISO 9660; and Palm.
- support reporting facility with: Listing of all files and folders in a case; Detailed listing of all URLs and corresponding dates and times of web sites visited; Document incident response report; Log Records; Registry; Detailed hard drive information about physical and logical partitions; View data about the acquisition, drive geometry, folder structures and bookmarked files and images; Export reports in Text, RTF (opens in Microsoft Office), HTML,XML or PDF formats.
- Smartphone and Tablet support: Acquire data from devices running the following operating systems: Apple's iOS, Google's Android™ OS, Rim's Blackberry™ OS, Nokia Symbian, Microsoft's Windows Mobile OS etc.
- Forensically Acquire Tally data from suspect computers, laptops and servers.
- Acquire Tally data path wise from all drives.
- Extract all company names from tally data and indicates in table view format in software itself.
- If user want to search particular narrations in tally that also he can search narration in tally by giving

### 3. Advance Mobile Forensic Workstation

- Intel® Processor / CPU - **Core i7**
- Unique Turbo Boost Technology accelerates performance to match a computer user's and Cyber Experts needs and workloads.
- The high performance platform capabilities of Intel® Chipset-based motherboards, along with faster, intelligent multi-core technology
- Up to **3.6 GHz** with Intel® Turbo Boost Technology, 6 cores and 12 processing threads with Intel® Hyper-Threading Technology, 8 to 12 MB Intel® Smart Cache
- Hi-Speed USB 3.0, for greater enhancement in performance
- Lower Temperature- effective thermal cooling solution by delivering a more efficient spreading of heat from critical areas of the motherboard such as the CPU power zone throughout the entire PCB.
- Dual BIOS Support
- High-speed storage interface supports faster transfer rate for improved data access with up to 6 SATA ports.
- SATA interface designed for use with external SATA devices. It provides a link for **3 to 6 Gb/s** data speeds to eliminate bottlenecks found with current external storage solutions.
- Support for SATA RAID 0, RAID 1, RAID 5, and RAID 10

- It should have following inbuilt features Easy Quiz Creation Utilize 18 question types, including Multiple Choice, Fill in the Blank, Matching, Likert Scale, Enhance questions with images, Flash video and audio—including voice-over, text-to-speech.
- Quiz Settings quiz more challenging with time limits and randomization, Branch quiz takers to different questions based on their responses, Measure performance with a self-grading system, Provide instant review as well as feedback. Customizable Quiz Templates player template with appropriate theme for your quiz, quiz template with built-in setting features, Engage participants with music or sound effects
- System voltage detection, CPU / System temperature detection, CPU / System / Power fan speed detection, CPU overheating warning, CPU / System / Power fan fail warning, CPU / System fan speed control
- Internal 1 TB Hard Drive
- Removable drive bays, external hard disk tray .
- Hardware write blocker (Read Only) for Forensic use (Internal)

#### 4. Multi-Function Laser Printer Black and White (e.g., HP LaserJet Pro MFP M226dw)

Features:	Laser Printer, Monochrome Print, USB & Ethernet Connectivity
Memory Storage:	256 MB
Printing Type:	Black and White
Printing Technology:	Laser
Scanner Type:	Flatbed
Print Resolution:	600 x 600 DPI
Print Speed Black:	25 PPM
Paper Size:	16k, A4, A5, B5 (jis), C5, DL, Envelopes
Scanning Method:	CIS
Network:	Ethernet, USB
Duty Cycle:	up to 15000 pages Pages per month
Color:	Black
Paper Tray:	250 Sheets
Warranty:	3 Year(s)
Printer Type:	Multifunction

#### 5. Desktop (Preferably HP)

<b>CPU</b>	
CPU Type	Intel Core i7-6700
CPU Speed	3.4 GHz
L2 Cache Per CPU	8 MB cache
<b>Memory</b>	
Memory Capacity	8 GB
Memory Slot	2 DDR4 DIMM Slots (One available)
Maximum Memory Supported	16 GB
<b>Hard Drive</b>	
HDD Capacity	2 TB SERIAL ATA III
HDD RPM	600 MB/sec@7200 rpm
<b>Optical Drive</b>	
Optical Drive Type	Ultra Slim-tray Super Multi DVD burner
<b>Mouse</b>	
Mouse Type	Wireless
<b>Keyboard</b>	
Keyboard Type	Wireless
Monitor Size	21.5 inch
<b>Speaker</b>	
Speaker Configuration	DTS Studio Sound
<b>Operating System</b>	
Operating System	Ubuntu
<b>Physical Spec</b>	
Dimensions	32 x 16.3 x 32.3 cm

Weight	5.7 kg
<b>Ports</b>	
USB 2.0	4
USB 3.0	2
Memory Card Reader	Yes
Microphone Jack	Yes
Headphone Jack	Yes
<b>HDMI</b>	Yes
<b>Graphic Card Details</b>	
Graphic card capacity	2 GB
Graphic card processor	AMD Radeon™ R5 330 (2 GB DDR3 dedicated)
<b>Wi-Fi Adapter</b>	
Wi-Fi Adapter	Built in for IEEE802.11 b/g/n
<b>Warranty</b>	
Warranty period and type	36 months onsite

## 6. Bar Code Reader

- Light Weight, Ergonomic Design
- General Purpose reader - a single device covering the broadest range of application
- Durable - without any moving parts to wear out
- 100 scans per second and working range from contact to 150mm on medium density barcodes
- Readable Under Sun Light
- Excellent Scanning Performance starting at 0.1mm (4 mil)

## 7. Finger Print Reader

- Size: 6.9cm x 6.1cm x 5.1cm. Weight: 220gm
- Material: Aluminum casing, 480 x 320 pixels
- Resolution:- 500ppi, 8-bit 256 level grayscale
- 10 frames/second image capture
- USB 2.0 data and power, compatible with windows 2000, xp and above

## 8. Smart Phone

OS	iOS 10.0.1
RAM	3 GB
Item Weight	136 g
Product Dimensions	13.8 x 6.7 x 0.7 cm
Item model number	iPhone 7
Wireless communication technologies	Wi-Fi 802.11 a/b/g/n/ac, dual-band, hotspot, bluetooth v4.2, A-GPS GLONASS, USB v2.0, reversible connector
Connectivity technologies	GSM / CDMA / HSPA / EVDO / LTE
Special features	Splash, water and dust resistant, Touch ID fingerprint sensor, 3D Touch
Other camera features	7MP
Form factor	Touchscreen Phone
Weight	135 Grams
Colour	Gold
Battery Power Rating	1960
Whats in the box	EarPods with Lightning Connector, Lightning to 3.5mm Headphone



**9. Kindle Reader**

Display	Kindle Paper-white display technology with E Ink Carta™ and built-in light, 300 ppi, optimized font technology, 16-level grey scale
Size	143 mm x 122 mm x 3.4-8.5 mm
Weight	Wi-Fi: 131 g; Wi-Fi + 3G: 133 g Actual size and weight may vary by configuration and manufacturing process
System Requirements	None; fully wireless and doesn't require a computer to download content
On-Device Storage	4GB; holds thousands of books
Cloud Storage	Free cloud storage for all Amazon content
Battery Life	A single charge lasts up to eight weeks, based on half an hour of reading per day with wireless off and the light setting at 10. Battery life will vary based on light and wireless usage
Charge Time	Fully charges in less than 3 hours from a computer via USB cable
Wi-Fi Connectivity	Supports public and private Wi-Fi networks or hotspots that use the 802.11b, 802.11g or 802.11n standard with support for WEP, WPA and WPA2 security using password authentication or Wi-Fi Protected Setup (WPS)
Content Formats Supported	Kindle Format 8 (AZW3), Kindle (AZW), TXT, PDF, unprotected MOBI, PRC natively; HTML, DOC, DOCX, JPEG, GIF, PNG, BMP through conversion
Documentation	Quick Start Guide (included in box); Kindle Oasis User's Guide (pre-installed on device) [PDF]. Additional information in multiple languages available online
Warranty and Service	Kindle Oasis is sold with a limited warranty of one year provided by the manufacturer. Use of Kindle is subject to the terms found here.
Included in the Box	Kindle Oasis with leather charging cover, USB 2.0 charging cable and Quick Start Guide

**10. Digital Camera**

Item Weight	2.6 Kg
Product Dimensions	28.2 x 23 x 19.2 cm
Memory Storage Capacity	8 GB
Removable Memory	SDHC
Resolution	20.2 megapixels
Included Components	EOS 6D Digital SLR Body, 24-105mm IS Lens Kit, Lithium-Ion LP E6 rechargeable battery, AC Adapter Kit ACK-E6, USB Cable, Lens Cap, User Manual
Screen Size	3 Inches
Image Stabilization	1484872031
Optical Zoom	5 X

Digital Zoom	4.3 X
Max Resolution	20.20 Megapixels
Optical Sensor Resolution	20.2 Megapixels
Min Focal Length	18 Millimeters
Batteries Included	Yes
Batteries Required	Yes
Viewfinder Type	Optical

## 11. Hardware Based Key Logger

Product Dimensions	3.9 x 2.4 x 1 inches
Item Weight	1.6 ounces
Shipping Weight	1.6 ounces (View shipping rates and policies)
Manufacturer	Keyllama
ASIN	B004ZGXU48
Item model number	4998619

## 12. Multi Model-Multiscreen Projector

Power supply	100–240 V AC, 50/60 Hz
Power consumption	160 W max. (180 W with the ET-RPS100G)
Scanning frequency	(with the ET-MCYSD200)
SDI	3G-SDI signal (Level A YPbPr 4:2:2 10-bit): SMPTE ST 424 compliant: 1125(1080)/60p, 1125(1080)/50p
	(with the ET-MCYSD200/MCYSD210)
SDI	HD-SDI signal (YPbPr 4:2:2 10-bit): SMPTE ST 292 compliant: 750(720)/60p, 750(720)/50p, 1125(1035)/60i, 1125(1080)/60i, 1125(1080)/50i, 1125(1080)/25p, 1125(1080)/24p, 1125(1080)/24sF, 1125(1080)/30p SD-SDI signal (YCbCr 4:2:2 10-bit): SMPTE ST 259 compliant: 525i(480i), 625i(576i)
	(with the ET-MCYDV100)
DVI-U (Digital)	fH: 15.6–82.2 kHz, fV: 24.0–85.1 Hz, dot clock: 25.2–162 MHz
DVI-U (Analog)/RGB	fH: 15.6–82.2 kHz, fV: 24.0–85.1 Hz, dot clock: 162 MHz or lower
YPb(Cb)Pr(Cr)	525i (480i): fH 15.75 kHz; fV 60 Hz, 625i (576i): fH 15.63 kHz; fV 50 Hz, 525p (480p): fH 31.50 kHz; fV 60 Hz, 625p (576p): fH 31.25 kHz; fV 50 Hz, 750 (720)/60p: fH 45.00 kHz; fV 60 Hz, 750 (720)/50p: fH 37.50 kHz; fV 50 Hz, 1125 (1080)/60i: fH 33.75 kHz; fV 60 Hz, 1125 (1080)/50i: fH 28.13 kHz; fV 50 Hz, 1125 (1080)/25p: fH 28.13 kHz; fV 25 Hz, 1125 (1080)/24p: fH 27.00 kHz; fV 24 Hz, 1125 (1080)/30p: fH 33.75 kHz; fV 30 Hz, 1125 (1080)/60p: fH 67.50 kHz; fV 60 Hz, 1125 (1080)/50p: fH 56.25 kHz; fV 50 Hz
Video/S-Video	fH: 15.75 kHz, fV: 60 Hz [NTSC/NTSC4.43/PAL-M/PAL60] fH: 15.63 kHz, fV: 50 Hz [PAL/SECAM/PAL-N]

### 13. Recovery Boot Password Reset USB

Product Dimensions	2.2 x 0.1 x 0.9 inches
Item Weight	0.3 ounces
Shipping Weight	0.8 ounces (View shipping rates and policies)
Manufacturer	Hillstar Consumer Group
ASIN	B01BO6604S
Item model number	LYSB01BO6604S-ELECTRNCS

## Annexure-B

### Financial Bid Format

Unit	Item	Item Description	Qty	Uom	Unit Price	Tax %	Tax Amount	@1% ECE ES	Unit Price with Tax	Total Price
A	Mobile Forensic Extraction Device	Trusted UFED technology, All-in-one mobile forensic solution, Unrelated support for Android, IOS and BlackBerry (Specification as per Annexure-A, SI-1)	1	NO						
B	Forensics software	Distributed Processing of evidence, allow idle machines etc (Specification as per Annexure-A, SI-2)	1	20-User Licenses						
C	Advance Mobile Forensic Workstation	Intel® Processor / CPU - Core i7, Unique Turbo Boost Technology (Specification as per Annexure-A, SI-3)	1	NO						
D	Multi Function Laser Printer Black and White	GENERAL Functions: Print, Copy, Scan; Printing Output: Monochrome Type: Multi-function; Display Dual Digit: Numeric LED; Printing Method: Laser (Specification as per Annexure-A, SI-4)	1	NO						
E	Desktop	Desktop/Computer with 64bit, core i7 processor, 8 GB RAM, 1TB HDD (Specification as per Annexure-A, SI-5)	15	NOS						
F	Bar Code Reader	A single device covering the broadest range of application (Specification as per Annexure-A, SI-6)	1	NO						
G	Finger Print Reader	Resolution:- 500ppi, 8-bit 256 level grayscale (Specification as per Annexure-A, SI-7)	1	NO						
H	Smart Phone	OS-iOS 10.0.1, RAM-3 GB, Item Weight-136 g (Specification as per Annexure-A, SI-8)	2	NOS						
I	Kindle	Display-Amazon's 6" Kindle Paperwhite display technology with E Ink Carta™ and built-in light, 300 ppi, optimised font technology, 16-level grey scale, Size-143 mm x 122 mm x 3.4-8.5 mm (Specification as per Annexure-A, SI-9)	2	NOS						
J	Digital Camera	Item Weight-2.6 Kg, Product Dimensions-28.2 x 23 x 19.2 cm, Memory Storage Capacity-8 GB (Specification as per Annexure-A, SI-10)	1	NO						
K	Hardware Based Key	Product Dimensions-3.9 x 2.4 x 1 inches, Item Weight-1.6 ounces	1	NO						

Signature (in ink, with date) & Seal of Bidder/Tenderer

	Logger	(Specification as per Annexure-A, SI-11)								
L	Multi Model-Multiscreen Projector	Power supply Power consumption Board mounting slots Scanning frequency With the ET-MCYSD200 SDI 3G-SDI signal With the ET-MCYSD200/MCYSD210 SDI HD-SDI signal With the ET-MCYDV100 DVI-U (Specification as per Annexure-A, SI-12)	1	NO						
M	Recovery Boot Password Reset USB	Product Dimensions-2.2 x 0.1 x 0.9 inches, Item Weight-0.3 ounces (Specification as per Annexure-A, SI-13)	1	NO						
Unit: 2	<b>Furniture:</b> <i>Mention specifications against these parameters (One may extend their specifications beyond these parameters)as:</i>									
A	Construction of wall side attached Computer table of outline finished boards with half inch thickness, total length size 22 meter L x 2.5 ft top space and with dust cover panel , sufficient hole point for electrical and cable connection, should have adjustable drawer for keyboard, Construction in four part of the lab on capacity of adjustment for 17 computers and in-built cupboard		1	Construction (Equivalent to 17 students and 2 faculty/ staff members)						
B	<b>Chairs (Dimensions : Height (H) : 820mm, Length (L) : 450mm, Width (W) : 425mm, Depth (D) : 430mm )</b> for the use in Information Security and Digital Forensics laboratory		17	NOS						
C	White board size: 3x4 ft. with wall mounting clips.		1	NO						
D	Oil filled room heater it should have: A : Carry handle B : Power switch C : Thermostat knob D : Front cover E : Cord storage F : Radiator fins G : Castor wheels H : PTC fan I : Fan switch		2	NOS						

## Annexure-C

### Proforma for Direct Payment/Transfer to Bank Account by NIT Sikkim

Sl. No.	Particulars	Information
1	Firm (Beneficiary) Name	
2	Please enclose a cancelled cheque and copy of PAN card. Cancelled cheque & PAN card is to be submitted only once	
3	Complete Bank Account No. of the Firm [beneficiary]. [in case of change in bank account vendor should write to Account Office]	
4	Bank Name	
5	Bank Address	
6	IFSC Code no	
7	Mobile no (for SMS)	
8	Email ID (for information)	

We undertake that all information provided above is correct and NIT Sikkim will not be responsible in case of any error on the part of firm.

Note: This Proforma shall be enclosed with price bid

**[Seal and Signature of the firm]**

## Declaration Form – I

### Manufacturers Authorization Letter Format

The Director

National Institute of Technology Sikkim

Ravangla, South Sikkim

PIN 737 139, INDIA

I / We who are established and reputable manufacturers of  
\_\_\_\_\_ having factories at

\_\_\_\_\_ (address of factory) do hereby authorize M/s.  
\_\_\_\_\_ (Name and address of authorised  
vendor in India) to submit a bid, negotiate and receive the order from you against your tender enquiry no.  
\_\_\_\_\_.

No company or firm or individual other than M/s.  
\_\_\_\_\_ is authorized to bid,  
and conclude the contract in regard to this business.

I / We hereby extend our full guarantee and warranty for the goods and services offered by the above firm.  
I / We hereby declare that we have authorised service centre in India at

\_\_\_\_\_ (Name and address of the authorised service centre) and we will extend full maintenance  
services through them during warranty period and beyond.

Yours faithfully,

(Name)

(Name of manufacturers)

**Note:** This letter of authority should be on the **letterhead of the manufacturer** and should be signed by a person competent and having the power of attorney to bind the manufacturer. It should be included by the Bidder in its techno-commercial unpriced bid. ***In case of foreign manufacturers, a scanned copy of the letter shall be acceptable.***

## Declaration Form – II

(ON THE LETTER HEAD OF THE BIDDER)

### Contact Details of Purchasers of the Same Instrument Model

The Director

National Institute of Technology Sikkim

Ravangla, South Sikkim

PIN 737 139, INDIA

This is to inform you that we have sold the following instrument, Model No.:

\_\_\_\_\_ (same as we have bid against your Tender enquiry) manufactured by M/s \_\_\_\_\_ of \_\_\_\_\_ (*place and country of manufacturer*) to the following purchasers in India. You are free to contact them for taking feedback on the performance of the instrument.

SI No.	Manufacturer	Model No.	Name of the Purchasing Organisation	Contact Person of the Purchaser (Name, official address, email id, phone no.)
01.				
02.				
03				
04.				
05.				
<i>May please add more rows.</i>				

(Sign. & Seal of the bidder)

#### Notes:

1. Only furnish details of purchases made by reputed nationally known institutions and industry.
2. Only show purchase made during last 03 years.
3. Only show the purchase of the same model quoted for NIT Sikkim. In case, the model is recently launched, you may show purchases of its immediate predecessor model.

Signature (in ink, with date) & Seal of Bidder/Tenderer



## Declaration Form – III

(ON THE LETTER HEAD OF THE BIDDER)

### ON SITE MAINTENANCE SERVICE FOR THREE YEARS

The Director

National Institute of Technology Sikkim

Ravangla, South Sikkim

PIN 737 139, INDIA

I / We declare that we will provide on-site full maintenance services for three years from the date of delivery of the \_\_\_\_\_ (Name of the instrument) Model No.:

\_\_\_\_\_ manufactured by M/s \_\_\_\_\_ of

\_\_\_\_\_ (*place and country of manufacturer*) quoted against your tender no.

\_\_\_\_\_.

During these three years we will not charge for maintenance services of the existing/supplied equipments and pertaining infrastructure (electrical & electronics).

We will charge / not charge (*please choose appropriate one*) for replacement or repair of spare parts.

The warranty period for hardware parts of the instrument is for

\_\_\_\_\_ (*please specify years & months from the date of installation*) through authorized service engineers.

We have enclosed herewith the explicit terms and conditions of the original equipment manufacturer for your perusal.

(Sign. & Seal of the bidder)

## Declaration Form – IV

(ON THE LETTER HEAD OF THE BIDDER)

### MAINTENANCE INFRASTRUCTURE FACILITIES INCLUDING ADDRESSES OF THE LOCAL SERVICES CENTRES

LOCATION	Address of the Service Centre	Name of the Contact Person with Tel. No. Fax No. and E-Mail	Total no. of qualified service engineers	Remarks

Signature of the Bidder

Name:

Date:

Place:

Address:

Company Seal