



उत्तर प्रदेश पुलिस तकनीकी सेवायें मुख्यालय,

चतुर्थ तल, जवाहर भवन, अशोक मार्ग, लखनऊ

संख्या-टीएस-एमओडी-48/2015-16(मुरादाबाद अकादमी)

दिनांक - फरवरी,

2016

निविदा सूचना

- 1- उत्तर प्रदेश पुलिस हेतु निम्न उपकरणों की सील बन्द निविदा भारतीय मैन्युफैक्चरर/डीलर/रजिस्टर्ड फर्म/विदेशी मैन्युफैक्चरर के अधिकृत विक्रेता से आमंत्रित की जाती है।
- 2- निविदा प्रपत्र व उपकरण से सम्बन्धित तकनीकी स्पेशीफिकेशन उत्तर प्रदेश पुलिस की वेबसाइट <http://uppolice.gov.in> से डाउनलोड किया जा सकता है। निविदा शुल्क के रूप में ₹0 300.00 का बैंक डाफ्ट/बैंकर चेक/एफडीआर पुलिस अधीक्षक/सहायक निदेशक, उ0प्र0पुलिस कम्प्यूटर केन्द्र लखनऊ के नाम देय होगा, जमा की जायेगी।
- 3- निविदा शुल्क किसी भी दशा में वापस नहीं किया जायेगा तथा निविदा स्वीकृत न होने की दशा में ईएमडी वापस कर दी जायेगी।
- 4- तकनीकी सेवायें मुख्यालय से नगद भुगतान पर टेण्डर डाकुमेंट्स विक्रय नहीं किये जायेंगे।
- 5- प्रत्येक टेण्डरकर्ता द्वारा टेण्डर की ईएमडी डीडी/ एफडीआर/ बैंक गारन्टी के रूप में, जो पुलिस अधीक्षक/सहायक निदेशक, उ0प्र0पुलिस कम्प्यूटर केन्द्र लखनऊ के नाम देय होगा, जमा की जायेगी।
- 6- सफल टेण्डरकर्ता द्वारा कयादेश मूल्य का 10 प्रतिशत धनराशि सिक्योरिटी मनी के रूप में जमा किया जायेगा, जो उपकरण के सन्तोषजनक ढंग से कार्य करने के उपरान्त उनके वारन्टी अवधि के उपरान्त वापस कर दी जायेगी।
- 7- तकनीकी स्पेशीफिकेशन के अनुसार प्रोप्राइटरी आइटम या उनके समतुल्य उत्पाद/सेवा अन्तराष्ट्रीय स्तर के स्वीकार होंगे। प्रोप्राइटरी उत्पाद या इसके समतुल्य उत्पाद/सेवा सम्बन्धित तकनीकी समिति का निर्णय अन्तिम निर्णय होगा।
- 8- उपकरणों की संख्या विभाग की आवश्यकतानुसार बढ़ायी जा सकती है तथा विभाग द्वारा बढ़ायी गयी संख्या को फर्म को निर्धारित अवधि में आपूर्ति करना होगा।
- 9- निम्न किसी उपकरण के तकनीकी स्पेशीफिकेशन में यदि कोई संशोधन किया जाता है तो निविदा जमा करने की अन्तिम तिथि के 07 दिवस पूर्व ही संशोधित तकनीकी स्पेशीफिकेशन अपलोड कर दिया जायेगा।
- 10- निविदा के आइटम नम्बर 1 के तकनीकी बिड में हार्डवेयर एवं साफ्टवेयर सिस्टम को तकनीकी स्पेशीफिकेशन के अनुसार अलग अलग कोट करें।
- 11- समस्त टैक्स सहित न्यूनतम निविदा एल-1 पर विचारा किया जायेगा।
- 12- तकनीकी मुख्यालय द्वारा जनहित में किसी भी समय बिना कारण दर्शाये टेण्डर को निरस्त किया जा सकता है।

टेण्डर संख्या	आइटम	सं०	ईएमडी (₹0 में)	टेण्डर डाकुमेंट्स का मूल्य (₹0 में)
(1) टीएस-मोड-48/2015-16 (मुरादाबाद अकादमी)	फॉरेन्सिक साइबर काइम प्रशिक्षण लैब हेतु उपकरणों का क्रय	17	15,00,000-00	300.00

निविदा जमा करने की अन्तिम तिथि
तकनीकी भाव पत्र खोले जाने की तिथि
तकनीकी भाव पत्र पर क्रय समिति की बैठक
वित्तीय भाव पत्र खोले जाने की तिथि
वित्तीय भाव पत्र पर क्रय समिति की बैठक

22.02.2016 समय 12.00 बजे मध्याह्न
22.02.2016 समय 13.00 बजे अपरान्ह
24.02.2016 समय 11.30 बजे पूर्वाह्न
25.02.2016 समय 11.30 बजे पूर्वाह्न
26.02.2016 समय 04.00 बजे अपरान्ह

(विजय प्रकाश)

पुलिस महानिरीक्षक,

निमित्त-अपर पुलिस महानिदेशक,
तकनीकी सेवायें मुख्यालय, उ0प्र0, लखनऊ।

UTTAR PRADESH POLICE TECHNICAL SERVICES HEADQUARTERS

IVth FLOOR JAWAHAR BHAWAN, ASHOK MARG, LUCKNOW-226 001

TENDER NO.:TS-MOD-48//2015-16 (MDD Academy)

DATED :Feb. 2016

NOTICE INVITING TENDER

- 1- Sealed Tenders are invited from the Indian Manufacturers/registered firms/ Authorised agent of foreign manufacturer for purchase of the following equipment for the use of U.P.Police.
- 2- The tender form and tender document for item mentioned below along with Technical specification for Item given may be downloaded from U.P. Police website <http://uppolice.gov.in> on payment of Rs. 300-00 as fee of Tender cost documents in the form of DD/Banker Cheque/FDR/ in favour of S.P.AD. Uttar Pradesh Police Computer Centre, payable at Lucknow.
- 3- Cost of tender document is not refundable, while earnest money(EMD) is refundable after tender process.
- 4- Tender documents will not be given on cash through Technical Head Quarter.
- 5- Each Tenderer will have to deposit an E.M.D. as mentioned against tender in the form of DD/Banker's Cheque/FDR. in favour of **S.P./AD. Uttar Pradesh Police Computer Centre, payable at Lucknow.**
- 6- Successful tenderers will have to deposit a security money @ 10% of the order value, which will be returnable after expiry of warranty period.
- 7- For any specification which amounts to proprietary items its equivalent Product / Services of international quality will also be acceptable. However the decision of Technical Committee regarding Product / Services of International Quality will be final.
- 8- The Number of equipments may be increased as per need and the increased quantity will also have to be supplied within time stipulated by the Department.
- 9- The lowest bid will be decided on the basis of total cost (inclusive of all taxes.)
- 10- Tender item no.1 Technical Bid should be quoted with Hardware and software system separately according to technical specification.
- 11- In condition of amendment in any following item's specification. It will be uploaded before 7 days from submitting tender date'
- 12- The Technical Head Quarters may cancel the tender at anytime without assigning any reason for the same in the public interest.

Tender No.	Item	Qty	EMD (in Rs.)	Cost of Tender Document (in Rs.)
(1)TS-MOD-48(Acadmy MDD)/2015-16	Forensic Cyber Crime Training Labs	17	15,00,000-00	300-00

last date of deposit of tenders

Date of opening of Technical Bid

Date of Purchase committee meeting for technical evaluation

Date of opening of financial offer

Date of purchase committee meeting for financial evaluation

22-02-2016 upto 12-00noon

22-02-2016 at 13-00pm

24-02-2016 at 11-30am

25-02-2016 at 11-30am

26-02-2016 at 04-00 pm

(VIJAY PRAKASH)


Inspector Genl. Of Police,

For- Add. Director Genl. Of Police,
Technical Services Hqrs. UP. Lucknow.

Technical Specifications

High End Forensic Workstation

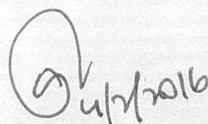
1	Processor	Dual Intel Xeon E5 Processors ,8 Cores 3.5 GHz CPU speed; CPU Cache 20 MB or higher
2	RAM	32 GB DDR4 2133 Quad channel memory; Expandable upto 512 GB
3	Graphic Card	NVIDIA GeForce GTX 750ti,2GB GDDRS,5400MHZ;with 1x HDMI & 1x DVI ports
4	Optical Drive	Blu-Ray/DVD Burner Drive
5	Network Adapter	2 x GB LAN Controller(s),(Intel 82574L,10/100/1000Mbps)
6	I/O Ports or higher or higher	Front Ports: 4xUSB (min. 4x USB 3.0) 1x e-SATA; 1x Microphone; 1x Headphone or Rear Ports: 4x USB (min. 4x USB 3.0); 2x e-SATA 3GB/s;2x RJ-45;1-1394b;1x S/PDIF out; Audio Ports
7	Operating System	Window 7 or higher
8	Power Supply	1300 Watts or better SMPS
9	Write Blocker	Integrated IDE/SATA/USB/SAS/Fire wire for write protection of suspected storage device.
10	Cable & Adapter Set	3.5",2.5",1.8" & ZIF Drives
11	OS Drive	512 GB SATA 6 GBPS SSD Drive
12	Temp Drive	512 GB SATA 6 GBPS SSD Drive
13	Cache Drive	1x PCI-e 512GB internal SSD (connected on board M.2 port)
14	Storage for Case Data	1x 3 TB 7200 RPM 6 GBPS Hard Disk Drive
15	Onboard Expansion Slots	7 X PCI Express (x16 Slots; Version 3.0)
16	Front Mounted Drive Bays	1X SATA Tray less for OS 1X SATA Tray less for Temp Drive 3 X Hot Swap SAS/SATA 3.5" Tray less Bays
17	Multi Card Reader	Should have integrated write Blocked Multi- Card Reader.
18	Peripherals	22" LED Monitor, Samsung/LG/Dell or equivalent ,wireless keyboard & mouse Logitech or equivalent
19	Warranty	3Years Parts and labour warranty
20	Toolkit	Multi-Piece toolkit to assist in Digital Evidence Gathering CD containing system restore media


(Shyam Sunder)
SO -FSL- LKO


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CO-CCTNS-LKO


(Dr. Triveni Singh)
Add.SP-STF-LKO


(Amit Chandra)
IG-Trg.UP-LKO


(Vijay Prakash)
IG-TSUP-LKO

Sr. No.	Portable Forensic Lab Description/ Specification
1	Should have standalone forensic acquisitions of all digital media in both field and lab
2	Device should support IDE/SATA/SAS/USB/Fire wire devices for imaging and provide add on for SCSI
3	Device should work with fastest available hard drives. Captures, authenticates and sanitizes at full SATA-3 speed (15 GB/min. Speed and more).
4	The device should run on a windows 7 based operating system or higher version/ Linux and should have interactive touch screen for smooth operations
5	Device should have 2 SATA/SAS connections and 2 USB 3.0 connections. (Operator can choose to use either the SAS/SATA connection or the USB connection for each of the two "Suspect" positions)
6	Supports IDE, RAID, e-SATA drives as well as a variety of Micro Media cards.
7	Add on hardware for quire data from CD/DVD .
8	Should support Cross Copy which allows user to image any "Suspect" Drive interface to any "Evidence" Drive interface. (i.e. IDE "Suspect" drive to SATA "Evidence" drive)
9	All Suspect connections should be permanently write-protected at all times to prevent changing Suspect Data
11	Should Captures 'Suspect' drive to one "Evidence" drive (Single Copy Mode), Captures "Suspect" drive to two "Evidence" drives (Multi Copy Mode), Captures 2 "Suspect" drives to two "Evidence" drives
12	Should allow examiner to perform Drive Wiping and Sanitization on destination drives
13	Should generate different hashing (MD-5, SHA-1 and SHA-2) of "Suspect" Hard Drive
14	Uploads suspect Images to Network Storage and or any attached Network Share
15	Evidence can be saved as 100% copies, Linux DD images or E01 image files.
16	Should make 100% Copy: Bit-for-bit imaging with verification
17	Should have Linux DD: Supports storing single or multiple DD images (industry standard) on a single "Evidence" Hard Drive or USB storage device
18	User should be able to define the size of the Linux DD segments
19	Should have Built-in Decipher technology allowing the full encryption (AES -256) of Forensic Images. The process should be done without speed degradation during the acquisition phase
20	Forensic disk duplicator should allows for the imaging from one large "Suspect" drive to multiple smaller "Evidence" drives
21	Device should Support single pass drive wiping or full Department of Defense (DOD) Sanitization
22	Should have a high-end laptop (Core i7, 16 GB RAM, 2TB HDD, Windows8 Prof 64Bit OS, MS Office Prof. License) to perform analysis in the field
23	Should have built in module to Create forensic images of suspected storage device in DD,E01, SMART & AFF format with authentication with MD5 and SHA1 hash
24	Should analyze registry of windows based machine to extract vital information like Typed web address, USB device information, saved passwords, OS install date, OS name and version etc.
25	Should have built in module to Recover passwords (Password recovery Tool) from 100+ applications as MS Office up to version 2010, Financial Accounting software Tally, Adobe pdf, Win Zip, allow examiner to perform distributed password recovery by harness idle CPUs across the network to decrypt files and perform robust dictionary attacks, facility for generating biographical dictionary for password attack.
26	Should allow user to create physical drive from image
27	Should use Oracle or PostgreSQL database in background to store large amount of data.

28	Should have KFF hash library with 45 million hashes
29	Should have advanced data carving engine which allows examiner to carve allocated and unallocated data on mentioned criteria to reduce the amount of irrelevant data carved while increasing overall thoroughness: File size, file type, pixel size, over 50 custom data carvers for windows, MAC, Linux and Internet artifacts.
30	Should support RAM dump analysis.
31	Should support 32 bit or 64 bit windows .
32	Should support email analysis of various email clients as: Outlook PST/OST, Outlook Express DBX, Exchange EDB, Notes NSF, EML (Microsoft Internet Mail), Eudora, Thunderbird, Quickmail, Netscape, AOL etc.
33	Should Supports analysis of encrypted images with popular encryption technologies, such as Credant, SafeBoot, Utimaco, EFS, PGP and Guardian Edge with known passwords.
34	Should support for Mac like Process B-Trees attributes for metadata, PLIST support, SQLite database support, Apple DMG and DD_DMG disk image support, JSON file support etc.
35	Should Create reports and export them into native format, HTML, PDF, XML, RTF, and more - with links back to the original evidence.
36	easy-to-use GUI with pre-defined and customizable data views, advanced filtering, dock able windows and automated data categorization.
40	Should have one screw driver set for opening of computer and laptop, Digital Camera with 20 MP to capture crime scene.
37	The solution should come in tough ,airtight , watertight ruggedized , wheeled carrying case
38	Should have 3 years warranty and updates for software.
39	SIM Card seizure
40	Write Blocking stick or add on
41	Memory card write blocker

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SO -FSL- LKO

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Sr. No.	Cell Phone Data Extractor
1	The supplied Mobile Phone Forensic System must be capable of logical, file systems and physical mobile data extraction for wide range of mobile phones, mobile tablets and GPS devices with different operating system or chipset.
2	Should support proprietary custom boot loaders to ensure forensically sound extractions.
3	Should be possible to do Simultaneous operations like extraction, decoding and analysis, on a single platform.
4	Should come with a compact and lightweight case.
5	Extraction software should be touch screen enabled, allowing easy use on tablets.
6	Should be operated with a USB software license dongle.
7	Shall be able to recover deleted data e.g. image, SMS, emails, video, GPS locations etc.
8	Shall be able to decode mobile Apps such as Viber, Whatsapp, Skype, Facebook messenger, QQ messenger, Nimbuzz etc.
9	Should support Physical extraction and decoding while bypassing pattern lock / password / PIN from Android devices including Samsung Galaxy families, LG, HTC, Motorola, and more.
10	Should support Physical extraction from BlackBerry devices running OS 4-7. Exclusive decoding: BBM data, apps, emails, Bluetooth and more.
11	should enables forensically sound data extraction, decoding and analysis techniques to obtain existing and deleted data from these iOS Devices: iPhone 2G, iPhone 3G, iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5S, iPhone 5C, iPhone 6, iPhone 6Plus, iPod Touch 1G, iPod Touch 2G, iPod Touch 3G, iPod Touch 4G, iPod Touch 5G, iPad Mini, iPad 1, iPad 2, iPad3, iPad 4.
12	Physical extraction and decoding from locked Nokia BB5 devices – password extraction from selected devices. should support decoding of Symbian databases including Decoding of intact and deleted contacts, SMS, MMS and call logs; Decoding support for multilingual content.
13	Should support File system extraction from any device running Windows phone 7.5 and 8 including Nokia, HTC, Samsung, Huawei and ZTE.
14	Should support recovery of deleted data from unallocated space in the device's flash memory.
15	Should support decoding of JTAG physical extractions from a rich set of data.
16	Should support data extraction from portable GPS devices. It should provide a solution to the encrypted TomTom trip-log files that reside in the TomTom device STATDATA folder. It should support Extraction and decoding of existing and deleted data from TomTom devices. TomTom extraction and decoding of information includes: Home, Favorites, Recent, User entered, Locations, Last journey, Location, Date & Time, Routes, GPS fixes (also deleted), Deleted locations (of all categories)
17	Should support Data Extraction from Garmin & Mio devices. Extracted data includes: Favorites, Past journey (containing all the fixes during the journey), Deleted GPS fixe
18	Should support comprehensive analysis capabilities including timeline, project analytics, malware detection, and watch list.
19	Should decrypt WhatsApp's new encrypted chat history database i.e. Crypt8.
20	Should support iCloud Backup to Decode the iCloud backup obtained from Apple devices
21	Shall be able to provide a phone power up cable, to be used on mobile device with damage batteries
22	Shall be able to provide generic Android, Windows phones file systems extraction
23	Shall be able to provide MD5 and SHA256 data integrity verifications
24	Shall be able to decode and extract password screen locks for certain devices
25	Shall allow extracted data to be searched, view and exported, including deleted data
26	Shall allow search of data either by specific parameters or open text
27	Shall be able to provide Analyst with ability to search and decode data using python scripting based programming

28	Shall be able to import 3rd party mobile device binary extractions for decoding
29	Shall be able to provide a comprehensive list of supported mobile devices and the their respective data and applications which could be extracted and decoded
30	GPS and location based data. - Shall be able to do physical extraction of GPS devices; - Shall be able to extract GPS data (Geotag, GPS coordinates) from mobile device; - Shall be able to decode GPS data e.g. previously entered locations etc
31	Shall be able to customize and generate reports in different format e.g. HTML, PDF, Excel etc
32	Shall be able to provide an application for report reading for non-licensed users
33	Shall be able to password protect sensitive reports
34	Shall be able to generate reports with organization logo
35	Shall be able to edit fields such as case name, number, examiner's name and more
36	Shall provide input cables for all phones that the system is able to support
37	Shall provide SIM ID Cloning Cards
38	Shall provide Micro, Nano SIM adapter
39	Shall provide either USB flash drive or memory card for saving of extracted data
40	Should support Entities bookmarks for Quick reference pointer set to analyzed data item and data file item.
41	Should support SQLite databases viewer for Viewing, searching and exporting tables and content (including deleted data) from SQLite database files.
42	Shall provide the support for Chinese phones extractions with different connectors in kit.
43	Should support Chinese chipsets from MTK (MediaTek), Spreadtrum and Infineon.
44	Should have warranty, updates and upgrades for 3 years.

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Sl. No.	Data Retrieval Software
1	Should have gallery view option to quickly reveal all photographs and graphics files stored on hard drives and other media.
2	Should have timeline view option to provide an easily adjustable, graphical calendar like display for file activity of particular interest.
3	Should contain Full Unicode support to allow users to search text and fonts from any foreign country and in any language.
4	Should support acquisition Restart facility: continue a windows-based acquisition from its point of interruption.
5	Should have Inbuilt LinEn utility to acquire evidence via boot disk
6	Should have Inbuilt WinEn utility to acquire RAM evidence
7	Should do Image verification by CR and MD5
8	Should have Inbuilt support for writing scripts & should have pre-built scripts
9	Should Support more than 150 Filters and Conditions
10	Should Support combining filters to create complex queries using simple "OR" or "AND" logic
11	Should have Inbuilt Active Directory Information Extractor
12	Should be able to automatically rebuild the structure of formatted NTFS and FAT volumes.
13	Should support Recovery of deleted files/folders
14	Should have inbuilt windows event log parser, Link file parser to search in unallocated space
15	Should have Inbuilt support for Compound (e.g., zipped) document and file analysis.
16	Should support file Signature analysis
17	Should have native viewing support for ~400 file formats
18	Should have built-in Registry Viewer
19	Should 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.
20	Should 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
21	Should 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
22	Should Include System Support for:
i	Hardware and software RAIDs.
ii	Dynamic disk support for Windows 2000/XP/2003 Server
iii	Interpret and analyze VMware, Microsoft Virtual PC, DD and SafeBack v2 image formats.
iv	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
23	Should support reporting facility with:
i	Listing of all files and folders in a case
ii	Detailed listing of all URLs and corresponding dates and times of web sites visited
iii	Document incident response report
iv	Log Records
v	Registry
vi	Detailed hard drive information about physical and logical partitions
vii	View data about the acquisition, drive geometry, folder structures and bookmarked files and images.
Viii	Export reports in Text, RTF (opens in Microsoft Office), HTML, XML or PDF formats.
24	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.
25	Should have warranty, updates and upgrades for 3 years.

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Technical Specification


CDR Analysis Software:


- Should be able to install and run on standalone and Server-Client mode
- Should run on Windows XP, 7, 8/8.1 and 10
- Should be able to import CDR, Tower Dump & SDR of different companies and circles
- Should have a facility to import various formats of CDR's, IMEI Reports, Tower Data regardless of their company and format e.g. html, csv, xls, xlsx, txt, tab etc
- Should be able to analyze the ISD and Gateway data
- Should be able to analyze the exported files from Cellebrite's UFED and MSAB's XRY.
- Should have an option to make groups in tower dumps
- Should have an inbuilt case management system
- Should have user management and access system
- Should be able to produce following reports in CDR:
 - *Compiled CDR*
 - *Frequency Report*
 - *IMEI Report*
 - *Location Report*
 - *State Frequency Report*
 - *Country Frequency Report*
 - *Call Type Analysis*
 - *New No. Analysis*
 - *Target to Target Party*
 - *Common Between Multiple Cases*
 - *Conference Call*
 - *Circular Communication*
 - *Suspect List*
 - *First and Last call of the Day*
 - *Meeting Point*
 - *Day location*
 - *Night Location*
 - *Book Mark*
 - *Send to Google Earth*
- Should be able to produce following reports in TDR:
 - *Common Party*
 - *Uncommon Party*
 - *Single Phone Multiple SIM*
 - *Single SIM Multiple Phone*
 - *Cross Tower Report*
 - *New Number Report*
 - *Frequency Report*
 - *CDR/TDR Match*
 - *Multiple calls between Tower to other Party*
 - *Suspect List*
 - *Multiple Tower used by Target*
 - *First and Last call of the Day*
 - *Plot on Google Earth*
 - *Target to Target*

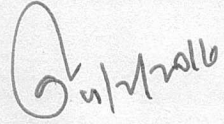
- Should have advance filtering & searching system. It should be able to filter to
 - Date wise
 - Time wise
 - Duration wise
 - A Party wise
 - B Party wise
 - State/Country/Day of week wise
 - Call type/IMEI Wise/IMSI/Cell ID wise
- Able to search multiple items on single search like Mobile number, IMEI, Cell ID, MSC Code, Search SDR, LRN search, Cell ID.
- Should be able to import Database like Cell ID, Suspect Cell ID, Suspect Number, Suspect IMEI, LRN Codes, MSC Codes and Suspect List.
- Able to produce standalone report which can be viewed without any license
- Should support Google earth map for different reporting
- Should have link analysis facility.
- Should have Geo Fencing features for CDR calls as well as to identify installed towers in marked area.
- Should have facility to export all the report in CSV, xls, html, PDF etc
- Should Export all CDR reports in HTML/xls in one touch with summary linked to other reports
- Should have facility to backup and restore of cases
- Should have facility to export/import CDR mappings from one computer to other
- Three year warranty with upgrades.
- Onsite training to be provided with manual
- 3 Yrs updating & Support.


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(B. Bhardwaj)
CO-CCTNS-LKO



(Dr. Triveni Singh)
Add.SP-STF-LKO



(Amit Chandra)
IG-Trg.UP-LKO



(Vijay Prakash)
IG-TSUP-LKO

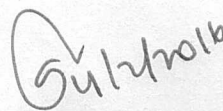
Disk Imaging Device	
Sl. No.	Description/ Specification
1	The device should run on a windows 7 based operating system and should have interactive touch screen for smooth operations
2	Should be a standalone device support IDE/SATA/SCSI/SAS/USB/Fire wire devices for imaging.
3	Kit should have all cable connector for IDE/SATA/SCSI/SAS/USB/Fire wire HDD. Also have micro SATA, ZIF drives and 1.8" adaptors and connectors.
4	Device should work with fastest available hard drives. Captures, authenticates, and sanitizes at full SATA-3 speed (30GB/min. speed or better)
5	Device should have 2 SATA/SAS connections and 2 USB 3.0 connections. (Operator can choose to use either the SAS/SATA connection or the USB connection for each of the two "Suspect" positions)
6	Supports IDE, RAID, e-SATA drives as well as a variety of Micro Media cards.
7	Kit should have external CD/DVD drive to capture CD/DVD.
8	Should support Cross Copy which allows user to image any "Suspect" Drive interface to any "Evidence" Drive interface. (ie. IDE "Suspect" drive to SATA "Evidence" drive)
9	All Suspect connections should be permanently write-protected at all times to prevent changing Suspect Data
10	Should have 2 SATA/SAS connections and 2 USB 3.0 connections. Optional Drive Adapters should allow imaging to many other drive formats including external RAID devices
11	Should Captures 'Suspect' drive to one "Evidence" drive (Single Copy Mode), Captures "Suspect" drive to two "Evidence" drives (Multi Copy Mode), Captures 2 "Suspect" drives to two "Evidence" drives (Parallel Copy Mode)
12	Should allow examiner to perform Drive Wiping and Sanitization on destination drives
13	Should generate different hashing (MD-5, SHA-1 and SHA-2) of "Suspect" Hard Drive
14	Uploads suspect Images to Network Storage and or any attached Network Share
15	Should have USB 3.0 to Gigabit Ethernet converter .
16	Evidence can be saved as 100% copies, Linux DD images or E01 image files.
17	Should make 100% Copy: Bit-for-bit copy
18	Should have Linux DD: Supports storing single or multiple DD images (industry standard) on a single "Evidence" Hard Drive or USB storage device
19	User should be able to define the size of the Linux DD segments
20	Should have Built-in Decipher technology allowing the full encryption (AES -256) of Forensic Images. The process should be done without speed degradation during the acquisition phase
21	Forensic disk duplicator should allows for the imaging from one large "Suspect" drive to multiple smaller "Evidence" drives
22	Device should Support single pass drive wiping or full Department of Defense (DOD) Sanitization
23	Should allow the upload of Suspect Data Images to networked storage area using a built-in 1 Gigabit Ethernet connection.
24	Should allow examiner to preview active files on the Suspect Drive utilizing Windows 7 file viewers that allow previewing Word, Excel, PDF, text or multimedia (pictures, video and audio) files prior to seizing the data. Unit should also features a built-in Audio Head Phone Jack for discreet listening
25	Should have warranty for 3years.


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(B. Bhardwaj)
CO-CCTNS-LKO


(Dr. Triveni Singh)
Add.SP-STF-LKO


(Amit Chandra)
IG-Trg.UP-LKO


(Vijay Prakash)
IG-TSUP-LKO

Technical Specifications

Desktop with Printer/ Scanner/UPS

- The desktop should have minimum
 - Intel 3rd Gen Core i5, 2.7GHz or Higher
 - Windows 8 OS or Latest
 - 6 GB DDR3 SD RAM
 - 1TB SATA Hard Drive
 - 22" LED Monitor
 - DVD Writer
 - At least 4 USB Ports
 - The UPS should support 1000 VA with atleast 30 minutes backup.
 - Minimum 1 year warranty.
- The Printer/ Scanner should be able to
 - Perform all the functions - Print, copy and scan
 - Scanning should be flatbed type and scan image upto 1200 dpi. ✓
 - Print 18 ppm for Black and white print
 - Minimum 1 year warranty.

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Technical Specifications

Laptop

- 4th Generation Intel Core TM i5-4200U processor (3M Cache, up to 2.5 GHz)
- 64bit Windows 8 Operating System
- 15.8 inch LED Backlit Display with support of 1366 x 768 pixel resolution
- 6 GB DDR3 RAM
- 1 TB SATA HDD
- Inbuild Graphic Card
- DVD Writer
- 1 year warranty with accidental damage protection.

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Technical Specifications

Storage Media

• Hard Drive	1 TB	2 per set
• Pendrive	16 GB/ 32 GB	10 per set
• External Hard Drive	1 TB	6 per set
• DVD RW		20

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Technical Specifications

Device Forensic Suite

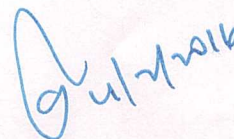
- Capability for imaging and analyzing PDA contents, GSM SIM Card contents
- Tools for analyzing Call Data records.

Network Forensic Suite

- Forensic tool to capture and analyze network traffic
- Capability for Forensic Log analysis, Network session analysis
- Tool for tracing senders of emails.

Cyber Check Suite

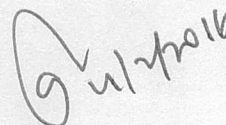
- Capability for Disk Imaging, Disk Recovery and Analysis
- Recover deleted files/ folders, deleted partitions, formatted data on a partition.
- Simple to use GRAPHIC User Interface
- Onsite training to be provided



Technical Specifications

Digital Still Camera

- 20 or More Mega pixels.
- At least 30X Optical Zoom.
- External memory 4GB or Higher
- 3" or Higher 16:9 Wide and touch LCD screen
- Smile shutter
- Super steady shot
- Capable of recording high quality videos.
- Wide zoom display output.
- Face detection technology.
- High definition output [for still image]
- Wi-fi for easy sharing of photo.
- GPS
- Carrying Case & necessary cables should be provided.
- Minimum 1 year warranty




Technical Specifications

Video Camera


- o Carl- Zeiss Lens OR Equivalent
- o At least 2.7" wide LCD screen.
- o Memory 8GB or Higher
- o External memory 16GB or Higher
- o At least 25X Optical Zoom.
- o 2.7" or Higher Wide LCD screen
- o 8.0 Mega Pixels still image recording
- o Steady Shot with active mode, Intelligent Auto
- o Capable of recording high quality videos.
- o Built-in Projector
- o Face detection technology.
- o 1920 x 1080 Full High Definition
- o Built in USB
- o Carrying Case & necessary cables should be provided.
- o Minimum 1 year warranty







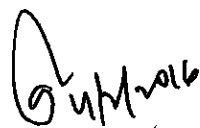

Forensic SIM Card Reader	
1	Should recover deleted SMS/text message and perform comprehensive analysis of SIM card data
2	Should have Unicode support to read multiple languages such as Arabic, Chinese & Russian.
3	Should includes SIM Card reader as well as micro and nano SIM Adapters


(Shyam Sunder)
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(B. Bhardwaj)
CO-CCTNS-LKO



(Dr. Triveni Singh)
Add.SP-STF-LKO



(Amit Chandra)
IG-Trg/UP-LKO



(Vijay Prakash)
IG-TSUP-LKO

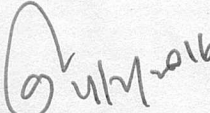
Forensic Multi Card Reader	
1	Interface: eSATA and USB 2.0/1.1
2	Maximum Read Speed : eSATA -1500 MB/Sec USB 2.0/1.1 - 480 MB/sec/12 MB/sec auto sense
3	Supported Media : MicroSD, Sony M2, Secure Digital (SD) and SDHC (SD 2.0),SDXC, MiniSD, Multi Media Card (MMC & MMC Plus 4.2),Reduce Size MMC (RS-MMC)(adapted needed),Memory Stick (MS)(Magic Gate),Memory Stick Pro (MS Pro 4bit),Memory Stick Duo (MS DUO),Memory Stick Pro Duo (MS Pro Duo),Compact Flash Type I (CF I),Compact Flash Type II(CF II), Micro Drive, SmartMedia xD, in write blocking mode
4	Supported OS: Read Only0 Compatible with Windows OS <div> <div>Dimension: 4 in (W) x 5.5 in (D) x 1 in (H)</div> <div>Weight:7.6 oz (215 g) (approx.)</div> <div>Operating Temperature & Humidity : 0°C to + 60°C, 5-95 % RH non condensing</div> <div>Storage Temperature & Humidity: -20°C to + 60°C, 5-90% RH</div> <div>Warranty: 3 Year</div> </div>


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Technical Specifications

Multi Card Reader

- Should be compatible with wide range of memory or multimedia cards used in Digital Cameras, MP3 Players, Voice Recorders, PDA's Cellphones, Computers and other digital storage devices.
- Should connect directly to a USB 2.0 (or USB 1.X) port on the workstation or laptop.
- Should be able to acquire data from the following Cards:
 - Compact Flash Card (CFC)
 - Micro Drive (MD)
 - Memory Stick Card (MSC)
 - Memory Stick Pro (Ms Pro)
 - Smart Media Card (SMC)
 - XD Card (XD)
 - Secure Digital Card (SDS)
 - Multi Media Card (MMC)
 - Mini 50
 - Micro SD (for most mobile phones)
- Minimum 1 year warranty
- Onsite training to be provided

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Technical Specifications


Furniture for the Lab

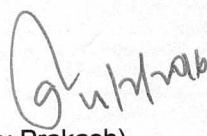
1	Table 08 nos.	5 X 3 Ft. with side racks and middle Slab well furnished mica top, Back Closing (Should be from reputed/Branded company)
2	Chairs 08 nos.	Revolving height, support above table, front and back Cushion with side hand rest.


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Technical Specifications


Networking and Broadband Internet Connection Charges

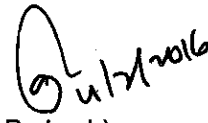
- 1- Internet connectivity Installation with cables and router and Wi-Fi and LAN supported (both).
- 2- This connectivity and Dedicated Lease Line for Two years.


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Note;-

- 1- All items quoted should be Standard/Branded and not to be locally assembled.
- 2- The warranty period for the software's for two years.
- 3- The warranty period for the Hardware's for three years.
- 4- Bidder should quote the price separately for each items.
- 5- L-1 will be based on total costs of complete bid.



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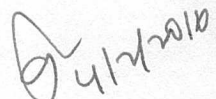
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