

**U. P. POLICE TECHNICAL SERVICES HEADQUARTERS****IVth FLOOR JAWAHAR BHAWAN,ASHOK MARG,LUCKNOW-226 001**

TENDER NO.:TS-MOD-48/2014(FSL)

DATED : FEB 20, 2014

**NOTICE INVITING TENDER**

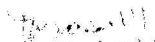
- 1- Scaled Tenders are invited from the Indian Manufacturers/registered firms/ Authorised agent of foreign manufacturer for purchase of the following equipment for the use of U.P.Police.
- 2- The tender form and tender document for item mentioned below along with Technical specification for Item given 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 of S.P.AD. Uttar Pradesh Police Computer Centre, payable at Lucknow.
- 3- Cost of tender document is not refundable, while earnest money is refundable.Tender documents will not be given on cash through Technical Head Quarter.
- 4- Each Tenderer will have to deposit an E.M.D. as mentioned against tender in the form of DD/ Banker's Cheque/FDR/ Bank Guarantee. in favour of **S.P./AD. Uttar Pradesh Police Computer Centre, payable at Lucknow.**
- 5- Successful tenderers will have to deposit a security money @ 10% of the order value, which will be returnable after expiry of warranty period.
- 6- The Technical Head Quarters may cancel the tender at anytime without assigning any reason for the same in the public interest.
- 7- 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.
- 8- Firm Participating in the bid must offer "**for all the equipment**", mentioned in the tender notice..
- 9- The lowest bid will be decided on the basis of total cost (inclusive of all taxes) of all equipment added together.

Tender No.	Items	Particulars	Qty	EMD (in Rs)	Cost of tender Documents (in Rs.)
TS-MOD-48/2014 (FSL)	8 Cyber Crime Forensic Lab	1- Forensic Work station .	08	6,15,000-00	300-
		2-Portable Forensic Lab	08		
		3-Cellphone Data Extractor	08		
		4-Data Retrieval Softwares	08		
		5- CDR Analysis Software	16		
		6- Disk Duplication Device	08		
		7-Digital Still Camera	16		
		8-Digital Video Camera	16		
		For Storage Media:			
		9- Internal Hard Drive1TB.	16		
		10-Pen Drive 32GB	80		

	11-External H.D.1 TB	48
	12-DVD-RW (10 no.Pack)	16
	13- Forensic Multi Card Reader	16
	14- Forensic Sim Card Reader	16
	15-Ordinary Multi Card Reader	32

Start of Sale of Tender documents from  
Date Pre Bid Conference  
Last date of Sale of Tender  
Last date of Receive of tenders  
Date of opening of Technical offer  
Date of opening of financial offer

22-02-2014 at 10-30 am  
03-03-2014 at 11-30 am  
18-03-2014 up to 11-00 a.m.  
18-03-2014 up to 4-00 p.m.  
18-03-2014 at 4-30 p.m.  
20-03--2014 at 11-30 a.m.

  
(Chandra Prakash)

SUPDT. OF POLICE/Asstt. Director,  
U.P. Polce Computer Centre, Lucknow

**अति आवश्यक / महत्वपूर्ण / फोन-0522-2286615**  
**उत्तर प्रदेश पुलिस तकनीकी सेवायें मुख्यालय,**

चतुर्थ तल, जवाहर भवन, अशोक मार्ग, लखनऊ  
 संख्या- टीएस-एमओडी-48-2014(एफएसएल) दिनांक - फरवरी 20, 2014  
 निविदा

- 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 ड्राफ्ट/बैंकर चेक/एफडीआर पुलिस अधीक्षक/सहायक निदेशक, उ0प्र0 पुलिस कम्प्यूटर केंद्र 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- प्रत्येक टेण्डरकर्ता द्वारा टेण्डर की ईएमडी डीडी/ एफडीआर / बैंक गारन्टी के रूप में, जो पुलिस अधीक्षक/सहायक निदेशक, उ0प्र0 पुलिस कम्प्यूटर केंद्र लखनऊ के नाम देय होगा, जमा की जायेगी, जो कि गारन्टी पीरियड के समापन के पश्चात लौटाया जायेगा।
- 5- सफल टेण्डरकर्ता द्वारा कयादेश का 10 प्रतिशत सिक्योरिटी मनी के रूप में जमा किया जायेगा।
- 6- तकनीकी मुख्यालय द्वारा जनहित में किसी भी समय बिना किसी पूर्व सूचना/ कारण के टेण्डर को निरस्त किया जा सकता है।
- 7- 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।
- 8- आमंत्रित निविदा में समस्त उपकरणों के विवरण सम्बन्धित न्यूनतम दर की निविदा एल-1 पर विचार किया जायेगा।
- 9- समस्त टैक्स सहित न्यूनतम निविदा एल-1 पर विचारा किया जायेगा।

निविदा संख्या	आइटम	विवरण	संख्या	इंस्टॉलेशन (in Rs)	विवरण (in Rs)
टीएस मोड 48/14 (एफएसएल)	8 अंदर साइबर काइम फोरेंसिक लैब हेतु उपकरणों का कार्य	1. फोरेंसिक वर्क स्टेशन	08	615,000-00	300
		2. पोर्टेबल फोरेंसिक लैब	08		
		3. सील फोन डाटा एक्सट्रैक्टर	08		
		4. डाटा रेट्रिवल साफ्टवेयर	08		
		5. सीडीआर एनालिसिस साफ्टवेयर	16		
		6. डिस्क डुप्लीकेशन डिवाइस	08		
		7. डिजिटल स्टिल कैमरा	16		
		8. डिजिटल वीडियो कैमरा	16		
		रजिस्ट्रेशन गीडिया हेतु			
		9. इंटरनल हार्ड ड्राइव 1 टीबी	16		
		10. पेन ड्राइव 32 जीबी	80		
		11. एक्सटर्नल हार्ड ड्राइव 1 टीबी	48		
		12. टीबी0डी0 आर0डब्ल्यू (10 का पैक)	16		

	13 फॉरेंसिक मल्टीकार्ड शीट्स	16
	14 फॉरेंसिक सिगकार्ड शीट्स	16
	15 सामान्य मल्टी कार्ड शीट्स	32

टेण्डर बिक्री की तिथि --

22-02-2014 at 10-30 पूर्वाह्न

पी वीड कॉन्फ्रेंस की तिथि

03.03.2014 at 11-30 पूर्वाह्न.

निविदा फार्म बिक्री की अंतिम तिथि--

18-03-2014 up to 11-00 .....

निविदा फार्म जमा करने की अंतिम तिथि

18-03-2014 up to 4-00 अपराह्न.

सक्कीकी आफर खुलने की तिथि--

18-03-2014 at 4-30 .....

वित्तीय आफर खुलने की तिथि--

20-03-2014 at 11-30 पूर्वाह्न

(चन्द्र प्रकाश)

पुलिस अधीक्षक/सहायक निदेशक,  
उ०प्र० पुलिस कम्प्यूटर केन्द्र, लखनऊ।



# U.P. POLICE TECHNICAL SERVICES, HEAD QUARTERS,

IV<sup>th</sup> FLOOR, JAWAHAR BHAWAN, ASHOK MARG, LUCKNOW-226001

PHONE/FAX-(0522)2286615

## GENERAL TERMS AND CONDITIONS FOR TENDERS

The details of specifications & instructions are to be followed strictly in accordance with the tender notice.

- 1 -The tendering firms are requested to submit the offer in TWO PARTS. The First Part will be named as Technical Offer & the Second Part will be called as Financial Offer. **The technical offer as well as financial offer are to be prepared separately for tender.** BOTH TECHNICAL OFFER AND FINANCIAL OFFER PROPERLY SEALED IN SEPERATE COVERS, MUST BE KEPT IN ONE BIG ENVELOPE AND SEALED. ON EACH COVER INDICATE CLEARLY THE TENDER NO. \_\_\_\_\_ ITEM AND DATE \_\_\_\_\_ OPENING DUE ON \_\_\_\_\_. DO NOT QUOTE RATES IN THE TECHNICAL OFFER, OTHERWISE THE TENDER WILL BE REJECTED.
- 2 - After submission of tender any addition, alteration or change in any offer shall not be acceptable.
- 3 - All the enclosures should be valid on the date of opening of the tender.
- 4- If any cutting/ corrections, it should be properly attested by the tenderer.
- 5- Earnest money (as mentioned in tender advertisement in news papers) has to be deposited in the form of **Fixed Deposit of Scheduled Bank** in the name of **Superintendent of Police/ Asstt. Director, Uttar Pradesh Police Computer Center, payable at Lucknow.** Offers without E.M.D. will be ignored. If any firm is exempted from furnishing earnest money, enclose government orders. If government order is not submitted by the tenderer his tender will not be considered.
- 6 - It shall be the responsibility of the tendering firms to present themselves on the dates of opening of Technical & Financial offers and acquaint themselves with the short comings in the tender if any. No separate intimation will be sent to them in this regard.
- 7- Only the Manufacturing Firm or his Authorise Indian Agent will be allowed to quote the tender. Bidder / Authorized person who shall sign the offer and all the enclosures submitted by them should have signature with their designation, seal and date.
- 8- Quoted equipments should be complete working system with all necessary accessories including stabilizer / UPS, cables, wires etc. to run the system properly at the time of installation.
- 9- The Bidder should clearly mention installation requirements in the technical offer. Only space and electrical points will be provided at the time of installation. Installation of the supplied equipments shall be completed within 15 days from the date of receipt of equipment in this this headquarter failing which equipments costing up to Rs.5 lacks. penalty of Rs.250-00 per day may be charged.
- 10- On Site Comprehensive Warranty of the equipments will be one YEARS on parts inclusive of labour charges from the date of successful installation. Warranty of kits consumables and glass wares will be two year or as per their shelf life. Maintenance work of the supplied equipments shall be done by the supplier firm during warranty period on installation site and cost on that will be bear by the supplier only. In addition to the aforesaid warranty, the supplier will be required to provide additional annual maintainance warranty as per clause no.21 below for 2nd,3rd and 4th.
- 11 - During warranty period, in case of local service centers complaints should be attended Next Business Day and in case of out station service centers complaints should be attended within 7 days, failing which equipments costing up to Rs.250-00 per day will be charged.
- 12 - Supply is to be executed as mentioned in the purchase order. Officer who is issuing purchase order can permit extra time on his discretion. If after making purchase agreement, any tenderer fails to supply goods of desired quality and quantity within 15 days . supply order may be cancelled and Security Money/Earnst money deposited by tenderer may be forfeited.
- 13 - Attach list of organizations to which the equipments have already been supplied and performance reports obtained from them with the technical offer.
- 14- The items quoted should be of internationally recognized brand . A brand is internationally recognised or not will be decided by technical committee..
- 15- Technical details as per tender specifications or their compatibility with the tender specifications shall be clearly mentioned in the technical offer.

16- The tenderer has to submit following documents with the tenders:-

(a) Self attested photocopy of valid U.P. Trade Tax Registration / Central Sales Tax / VAT Registration / latest Clearance Certificate (b) photo copy of PAN / TAN no. (c) Bank account no., name of bank and branch.

17- **The firm has to quote his price (Inclusive of all taxes) in Indian Rupees only.**

18- (a) tenderer must offer their rate inclusive of all taxes.

(b) successful tendere will provide the goods in good condition at U.P. Police Technical Services headquarter, Jawahar Bhawan, Lucknow and installation at Zonal Head quarter. at his own cost.

19- The tenderer is required to submit a self declaration certificate that :

(1) there is no dispute between the tenderer and state Govt./UP Police.

(2) the tenderer has not been blacklisted from any organisation or from any department.

20- Quote rates including packing, forwarding, insurance, installation FOR destination anywhere in U.P. excluding all taxes and duties. However VAT, Entry Tax, other taxes and levies etc., should be mentioned separately.

Rates should be quoted in two parts: 1- Cost of equipment with Three years on site comprehensive warranty, 2- Year wise charges for on site comprehensive annual maintenance contract from 4th year to 5th year.

21- After the receipt of goods in Forensic Science Laboratory, U.P., as specified in the purchase order (any district of U.P.), installation where needed shall have to be carried out by the firms at the required places within Uttar Pradesh.

22- Any conditional discount on quantity basis (different discounts for different quantities) shall not be acceptable and such offers shall be rejected outrightly. However, unconditional discount given on quoted price on whole quantity, mentioned in financial offer only be acceptable.

23- THE TECHNICAL HEADQUARTERS RESERVES THE RIGHT TO ACCEPT OR REJECT ANY TENDER, EITHER IN PART OR FULL, WITHOUT ASSIGNING ANY REASON THERE OF.

24- Firms must come prepared to demonstrate their goods in Forensic Science Laboratory, U.P., Mahanagar, Lucknow -226006, on the next date of opening of technical bid. Demonstration will be asked if required, failing which tender will be rejected.

25- The TECHNICAL HEADQUARTERS has right to accept any lower or higher rates of the tenders without assigning any reason

26- The validity of the rates should be **at least for 31-01-2015** from the date of opening of the tender.

27- In case of imported goods, foreign manufacturers can directly quote their rates but after sales service will be provided by their Indian Branch/ Agent. Name of trained engineers and details of service facilities available should be mentioned in technical offer.

28- If Indian agents are quoting on behalf of foreign manufacturers/ Principals then self attested valid authority letter from them should be submitted along with the technical offer. Rates should be quoted in FOB as well as CIF Value at New Delhi air port.

29- It will be the responsibility of the Indian agent of foreign principal to clear the consignment from customs and deliver it to Forensic Science laboratory, Lucknow/Agra/Varanasi as specified in the purchase order. The Indian Agent would bear the custom clearance charges (except custom duty), transportation charges, octroi etc. for supply of the goods to F.S.L. Lucknow/Agra/Varanasi.

30- Forensic Science Laboratory, U.P., has to pay concessional customs duty. Custom duty at concessional rate certificate will be provided by FSL.

31- Successful Tenderer will deposit 10% of the cost of equipment in India as security money and sign a purchase agreement within 7 days after receipt of purchase order on Rs. one hundred non judicial stamp paper at their own cost. Draft of purchase agreement shall be enclosed with the purchase order. Purchase order to the firms, who fail to execute the agreement shall be cancelled and HMD deposited by them shall be forfeited. Owner/partners of the firm (authorized person will sign purchase agreement. All signatures should be attested by notary. (authorized person will attach authority letter of owner / partners of the firm. )

32- Security Money will be in the form of **Fixed Deposit of Scheduled Bank** /Bank Guarantee in the name of **Superintendent of Police / Asstt. Director , Uttar Pradesh Police Computer Center, payable at Lucknow**, in the name of tenderer and pledged to **Superintendent of Police / Asstt. Director, Uttar Pradesh Police Computer Center, Lucknow**, which will be returned after expiry of warranty period.

33- After thorough examination if the equipment delivered is found defective and unserviceable , it is to be replaced with new one within 30 days in case of indigenous items and 90 days in case of imported items. The expenditure incurred on this account will be borne by the "Supplier Firm". In case of inability to do so, the total cost of the equipment shall have to be refunded by the firm to the government of U.P.

34- Bill to be submitted in triplicate by the firm in the name of Inspector General of Police, U.P. Police Technical Services, Head Quarters, Lucknow. Normally payment of bill will be made within 30 days but in case of delay no interest will be paid.

35 - Special Terms and conditions if any for any particular equipment has been mentioned below the specifications of the equipment in the tender form.

36 - If any item is on D.G.S & D/ D.I. rate contract enclose copy of rate contract along in the technical offer.

37 - Tendering firms will also impart hands on training to five scientists for the supplied equipments wherever necessary free of cost.

38- Due to continuous research and developments and introduction of new models tendered can supply upgraded model at the same quoted price with permission of the department.

39 - Tendering firms should ensure that they will make available consumables, spares and services for equipments at least for **ten years** from the date of supply and installation.

40 - If supplier is unable to supply consumables, spares and services for **ten years**, he has to take back the supplied equipment and replace it by upgraded version free of cost.

41 - Supplier firm will provide driver software for new operating systems free of cost for **ten years**.

42- Tenders received after the due date and time or incomplete tenders will not be accepted. This office will not be responsible for postal delay.

43 - Conditional tenders will not be accepted.

44- If any firm will be defaulter of any terms and conditions given above the undersigned has right to deduct the part or full amount of the Earnest money/ Security money deposited by the firm , firm may be black listed and legal action may be taken.

45 - All disputes will be subject to jurisdiction of court at Lucknow only.

46- All interpretation shall be made in favour of the Government.

Following declaration form duly filled in and signed should be submitted along with the technical offer failing which tender will be rejected.

(Chandra Prakash)  
SUPDT. OF POLICE/Asstt.Director,  
U.P.Police Computer Centre, Lucknow

#### DECLARATION

I, (name of authorized representative)----- Son of: ---

-----of M/S (Name of firm) -----

-----have read all the rules of tender (1 to 47) given above. These are acceptable to our  
firm. Earnest Money in the form of Fixed Deposit of scheduled bank Rs.----- (in words)-----  
----- in favors of "**Superintendent of Police / Asstt. Director, Uttar Pradesh**

**Police Computer Centre, payable at Lucknow** is enclosed herewith.

PLACE: -----

DATE-----

(Signature and seal)

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## Technical Specifications

### Forensic Workstation

- Intel® i7, Dual Quad Core Xeon
- 16 GB DDR 3 RAM
- 2 X 256 GB Solid State Drive
- 1 x 1.0 TB - Data Drive
- 22" LCD Monitor x 2
- 4 USB Ports
- Wireless Keyboard & Mouse
- 4 Removable Drive Bays
- Windows 7/8/server 64 bit Operating System
- Integrated Hardware Write Blocker for IDE/SATA/SAS/USB/LAPTOP Drives
- Firewire Card
- Forensic Multi Card Reader
- Should be provided with toolbox containing Adapters & Cables to image and process Internal /External Drives, screw driver set consisting of bits for opening computer enclosures that may have been locked down.
- 5 KVA UPS Offline with 2 Hours backup
- Minimum 2 years warranty
- Onsite training to be provided

Triveni Singh

Addl. SP STF, Lucknow

  
Chandra Prakash

SP Computers, Lucknow

Rajeev Sabharwal

IG ATS, UP

## Technical Specifications

### Portable Forensic Lab

- 1- Should contain a High End Laptop with following features with additional 1 TB USB 3.0 supported External HDD :
  - 4th Generation Intel Core i5,
  - 8GB, DDR 3 RAM,
  - 1 TB Hard Drive,
  - 64 bit Os Windows 7/windows 8 Os
  - Internal/External DVD Writer
  - Display should support 1920 x 1080 Pixel resolution
- 2- Should contain kit with write blocker capability enabled disk duplication devices capable of acquiring data in the field or lab from wide variety of hard drives like SATA/IDE/ZIF/USB drives at speeds of 5.5 GB/min or more.
- 3- Should contain Universal Kit of various mobile chargers and laptop chargers of various companies and models
- 4- Should contain Forensic SIM Card Reader and Forensic Multi Card Reader compatible with all available SIM Cards/ Memory Cards and should be able to read all available files on a SIM card/ Memory Cards and store in an archive file, besides recovering deleted text messages stored on the card but not readable on phone and deleted files on a memory card.
- 5- Should contain Forensic softwares like forensic toolkit etc. for data recovery and analysis.
- 6- Minimum 1 year warranty
- 7- Onsite training to be provided

Triveni Singh

Addl. SP STF, Lucknow

  
Chandra Prakash

SP Computers, Lucknow

Rajeev Sabharwal

IG ATS, UP

## Technical Specifications

### Cellphone Data Extractor

- 1- Solution must run on Windows XP, Vista or windows 7/8, operating systems
- 2- Solution must support
  - a. Physical extraction from BlackBerry devices running OS 4-7. Exclusive decoding: BBM data, apps, emails, Bluetooth etc.
  - b. Widest support for Apple devices running iOS3+
  - c. Physical extraction and decoding while bypassing pattern lock / password / PIN from Android devices including HTC, Motorola, Samsung Galaxy SIII family and more
  - d. Physical extraction from Nokia BB5 devices – password extraction from selected devices
  - e. File system extraction from any device running Windows phone 7.5 and 8 including Nokia, HTC, Samsung, Huawei and ZTE
  - f. Solution for phones with Chinese chipsets
  - g. TomTom trip-log decryption, and data extraction from other portable GPS devices
  - h. Obtain existing and deleted data: apps, passwords, emails, call history, SMS, contacts, calendar, media files, geotags, location information, GPS fixes etc.
- 3- Solution should offer a unique help file for every device with easy data extraction and immediate reporting.
- 4- Solution software should be able to be exported into-excel, word, open office, XML, Google Earth, print.
- 5- Solution should be able to report content capability to include-summary, case data, general information, network information, contacts, notes, SMS and MMS, Picture and video and audio, e-mail, documents, files, device overview, log.
- 6- Solution must have the functionality to examine unsupported handsets using known handset profiles.
- 7- The reporting tool of the device must offer the possibility for users to enter comments for each entry of report without changing the original evidence.
  - a. It should have security key
  - b. Quick reference user guide
  - c. It should have installation DVD
  - d. Rugged carrying case
- 8- Should have power extension cord and screw driver set for working at crime scene.
- 9- The whole solution should come in tough, airtight, watertight ruggedized carrying case.
- 10- Minimum 1 year upgrade and warranty.
- 11- Onsite training to be provided

Triveni Singh

Addl. SP STF, Lucknow

Chandra Prakash

SP Computers, Lucknow

Rajeev Sabharwal

IG ATS, UP

## Technical Specifications

### Data Retrieval Softwares

- Should generate Automated graphical timeline construction and analysis of social relationships...
  - Take timeline and social analysis screenshots and include in your case reports.
  - Case-level social analysis visualization for email (multiple PSTs and NSFs).
- **Should have Explicit Image Detection (EID) with shapes and orientation with feasible time frame.**
- **Should have Internet/Chat Analysis tool with following features.**
  - New Internet/Chat Tab.
  - Google Chrome Internet Artifacts Enhancements.
  - Artifacts are more granularly organized in the Overview Tab (History, History Index, Cookies, Bookmarks, Top Sites, Web Data, Log-in Data, etc.).
  - Reconstruct web pages.
  - Parse and bookmark individual records from within the Google Chrome artifact tables.
  - 30 + additional Internet artifact carvers, identifying files from programs such as Facebook, Dropbox, Skype 3 and more.
- **Should support Microsoft PhotoDNA® Integration**
- **Should have inbuilt password recovery toolkit with Decryption technology such**
  - Import password lists to auto-decrypt files during processing.
  - With support for hundreds of additional file types, FTK can decrypt almost as many file formats as PRTK, including PDF, PGP password file, iOS backup files and more.
  - Select encrypted files within FTK and submit them directly to PRTK for password recovery.
- Should have a separate analysis tool for Social Media analysis with following features :
  - Should analyze data of in, Twitter, Facebook, mail, you tube and other popular social engine.
  - Should analyze live data of social networks.
  - Generate reports of most commented, where commented.
  - Frequency reports.
  - Should able to analyze photo, comment, videos.
- Should provide separate standalone live forensic kit which is run by either USB Port or CDs.
- Should be provided with following hardware
  - RF Isolation Bags - Qty 5
  - 32 Port Gigabit Ethernet LAN Switch - Qty 1
  - 600 Mtr Cat 6 LAN Cable
  - Laptop with following features - Qty 2
    - Core I5 Processor
    - 8 GB DD3
    - 256 GB SSD Drive with 1TB External Drive
    - 64 bit Operating System
    - 12.5 inch display
    - Inbuilt speaker, Bluetooth, etc
    - With atleast 3 Hour backup.
- Onsite training to be provided

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## Technical Specifications

### CDR Analysis Software

- Should be able to be installed and run on standalone computer.
- Should run on Windows xp, Windows 7 and Windows 8.
- Should be able to import CDR & Tower Dump of different companies and circle.
- Should have a facility of auto recognizing the formats of CDRs, IMEI Report and Tower Data regardless of their company and format e.g. html, csv, xls, xlsx, txt, tsv etc.
- Should make data (CDRs, Tower Dump, IMEIs) into same format.
- Should have an option to split numbers/cell ids if it comes in same file.
- Should have an option to make groups/set on desired filters.
- Should be able to automatically paste the important information into data like Cell Id Address, MNCs, etc.
- Should have an inbuilt case management system.
- Able to produce following report
  - a. All Selected CDR, IMEI & tower dump in same format.
  - b. Suspect - B Party Calling Pattern like Call Wise Frequency, Average Calling, Date wise Caller, Time wise caller etc.
  - c. CellId - B Party Calling Pattern like Call Wise Frequency, Average Calling, Date wise Caller, Time wise caller etc.
  - d. IMEI- B Party Calling Pattern like Call Wise Frequency, Average Calling, Date wise Caller, Time wise caller etc.
  - e. Suspect - IMEI Calling Pattern
  - f. CellId- IMEI Calling Pattern
  - g. Suspect - Cell Id Calling Pattern
  - h. IMEI - Cell Id Calling Pattern
  - i. Common Numbers among n numbers of selected files
  - j. Common IMEIs among n number of selected files
  - k. Common Number among n number of groups.
  - l. Common IMEIs among n number of groups.
  - m. Uncommon Number among Selected files, or groups etc
  - n. New numbers over the period of CDRs
  - o. Find those numbers over the selected time period.
- Should have advance filtering & searching System. It should be able to filter to
  - a. Date wise
  - b. Time wise
  - c. Duration wise
  - d. A Party wise
  - e. B Party wise
  - f. IMEI Wise
  - g. IMSI Wise
  - h. Cell Id wise
  - i. Geo-location Wise
- Able to search multiple items on single search.
- Able to produce standalone report which can be used by stand alone.
- Should support google/bing maps for different reporting.
- Should have a facility to export all the report in csv, xls, html etc.
- Should have a facility of backup and restore of cases or CDRs.
- Should have a excel plugin for CDRs and Tower Dump.
- Onsite training to be provided

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## Technical Specifications

### Disk Duplication Device

- a. Should have standalone forensic disk duplication capabilities in both field and lab.
- b. Should support all operating systems and have Inbuilt write protection kit.
- c. Should image both SATA and IDE/PATA/USB/ laptop hard drives at speeds
- d. Disk to disk imaging should have speeds of 7 GB/min or higher
- e. Should support for 1:2 drive duplication
- f. Standard features should include
  - Disk-to Disk and Disk-to File duplication
  - Format
  - Wipe
  - Hash (MD5 or SHA-1)
  - HPA/DCO detection and removal
  - Blank Disk check
  - should write out in raw DD, Encase .e01 (compressed) and is field-upgradable to Encase v7 .ex01 (AES encrypted)
  - Should have all Bridges, cables and connectors for connecting IDE/SATA/SCSI/USB/SAS/SSD and Laptop drives in write protected mode
  - Able to make image of partial damaged HDD.
- Cables for all type of storage devices.
- Inbuilt keyword search capability
- Auto generation of reports
- Self Encryption of evidence drives.
- Minimum 1 year warranty
- Onsite training to be provided

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## 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

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## Technical Specifications

### Video Camera

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

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## Technical Specifications

### Storage Media

- Hard Drive
- Pendrive
- External Hard Drive
- DVD RW

1 TB  
16 GB/ 32 GB  
1 TB

2 per set  
10 per set  
6 per set  
20

45000/-  
20000/-  
50000/-  
125000/-

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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

### Forensic Sim Card Reader

- Should be compatible with all available SIM Cards.
- Should be able to read all available files on a SIM card and store in an archive file.
- Recover deleted text messages stored on the card but not readable on phone.
- Manage PIN and PUK codes
- Analyze and interpret content of files including text messages and stored numbers.
- Connects with the system by USB Port.
- Minimum 1 year warranty
- Onsite training to be provided

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## Technical Specifications

### Forensic Multi Card Reader

- Should be switch able from Read-Only to Read-Write operation.
- In Read-Only mode, the unit can be used for forensic acquisition of information found on multimedia and memory cards.
- In Read-Write mode, the unit should be able to write to memory cards for testing or validation.
- 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 have the integrated swing-out connector to connect the Forensic Multi Card Reader 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)
- Software to recover the deleted files (Documents, Photos, Videos, Music of different formats) should be provided
- It should be compatible with all operating systems window xp/ 2000, Mac, Mac OS 9.0 or later, Linux, Kernel 2.4.2 or later.

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