

ज्ञापांक 1075/394252 / आपूर्ति

95-1-13-2018

पुलिस महानिदेशक का कार्यालय, बिहार, पटना

पटना, दिनांक-23/10/18

सेवा में,

निदेशक,

सूचना एवं जनसम्पर्क विभाग,

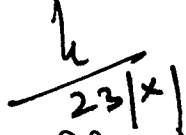
बिहार, पटना।

विषय- निविदा आमंत्रण सूचना सं0-11/2018-19 के प्रकाशन के संबंध में।

निदेशानुसार उपर्युक्त विषय के संबंध में निविदा आमंत्रण सूचना सं0-11/2018-19 की प्रतियाँ भेजते हुए अनुरोध है कि इसे राज्य एवं राज्य से बाहर के प्रमुख समाचार पत्रों में (अंग्रेजी एवं हिन्दी) के अगले दो संस्करणों में प्रकाशित कराने की कृपा की जाय साथ ही पी0आर0डी0 वेबसाइट पर भी प्रसारित करने की कृपा की जाय।

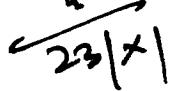
इस निविदा आमंत्रण सूचना का प्रकाशन किन-किन समाचार पत्रों में किया गया इसकी सूचना देने की कृपा की जाय।

अनु0-यथोपरि।

  
पुलिस महानिरीक्षक के सहायक (क्यू0),  
बिहार, पटना

प्रतिलिपि:-

1. आई0टी0 मैनेजर, पुलिस महानिदेशक का कार्यालय, बिहार, पटना को कृपया सूचनार्थ। कृपया इसे आज ही वेबसाइट पर अपलोड किया जाय। साथ ही Indian Trade Journal, Kolkata के अंक में प्रकाशन हेतु Government of India, the Controller of Publications, Civil Lines, Delhi : 110 054, (Tel No. 011-23812527, FAX : 011-23817846), Email Id- sk.mondal.dgcis@nic.in के पतेपर भी अनिवार्य रूप से भेजा जाय।
2. Government of India, the Controller of Publications, Civil Lines, Delhi : 110 054, (Tel No. 011-23812527, FAX : 011-23817846), Email Id- sk.mondal.dgcis@nic.in को कृपया सूचनार्थ एवं आवश्यक क्रियार्थ प्रेषित। अनुरोध है कि उक्त निविदा का प्रकाशन Indian Trade Journal, Kolkata के अंक में करने की कृपा की जाय।

  
पुलिस महानिरीक्षक के सहायक (क्यू0),  
बिहार, पटना

**Police Headquarters, Bihar, Patna**  
**Notice Inviting Tender No.-11/2018-19**

1. Name of the Department: Office of Director General of Police, Bihar, Patna.
2. Last date & time for the acceptance of the tender : 16/11/2018, Till 02:00 PM
3. Date & time fixed for the opening of the tender : 16/11/2018, At 04:00 PM
4. Place fixed for receiving & opening the tender : Office of Director General of Police, Bihar, Patna.
5. Details of Job:

S.N.	Item name	Quantity
1	Work Station Desktop	136
2	Laptop	68
3	CDR/SDR Analysis Software	01
4	Printer/Scanner/Copier	01
5	Mobile Forensic Software (Mobile Edit Forensic Express)	01
6	Write Blocker (IDE/SATA/USB)	01
7	Digital Evidence Forensic Analysis Softwae	01

Specifications and other terms & conditions of the tender may be obtained in person from this office or may be downloaded from the website [www.prdbihar.gov.in](http://www.prdbihar.gov.in) or [www.biharpolice.bih.nic.in](http://www.biharpolice.bih.nic.in).

h  
23/x1

**AIG (Q)**  
Bihar, Patna.

## Terms & Conditions of Tender No.-11/2018-19

122

1. The tender should be submitted in two parts: (i) Technical Bid and (ii) Financial Bid, duly sealed in two separate envelopes super-scribed as "Technical Bid" and "Financial Bid".
2. All relevant papers/ E.M.D./certificates/specifications etc. of items should be enclosed in the Technical Bid.
3. The rates of the items shall be quoted in the Financial Bid only.
4. All charges like IGST/CGST/SGST etc. shall be clearly mentioned in the Financial Bid and the net rate (in figures and words) including all taxes and duties must also be quoted. Vague offers like indicating taxes "as applicable" will not be accepted.
5. The rates of the items shall be quoted in the Financial Bid in two parts :  
(i) With AMC (Annual Maintenance Contract) and (ii) Without AMC
6. There should be no cutting, over writing or correction on the rates.
7. The technical and financial bids for each item should be submitted separately in separate envelopes. The technical and financial bids for more than one items submitted together in the same envelope shall not be accepted.
8. If the financial bid is submitted in the same envelope containing the technical bid then also it shall be summarily rejected.
9. The technical and financial bids should be put in two separate sealed envelopes and the envelopes should be marked Tender No-11/2018-19 (Technical Bid) and Tender No-11/2018-19 (Financial Bid) along with the name and address of the firm. The sealed envelopes containing the technical and the financial bids should be sent in another sealed envelope which should be marked as Tender No-11/2018-19. This envelope should not bear the name and address of the firm.
10. Income Tax Returns of last three years, a photocopy of GST registration number of the participating firm and turn-over of any two of the previous three financial years should be submitted with the technical bid. It should be specifically mentioned whether IT return has been filed manually or electronically.
11. The turnover of the firm for the last reported financial year should be at least equal to the amount of the supply order which is being issued. A copy of the profit and loss Account of the firm for any two of the previous three financial years, certified by a Chartered Accountant should be submitted along with the tender. If the tenderer is authorized dealer or authorized supplier of manufacturing firm, then the certified details of the turnover of authorizing firm may be accepted. Tender specific authorization from the OEM must be submitted, but in certain cases where authorization from OEM is not required, the Technical-cum-User committee (T.U.C.) shall decide about exemption (if any) on a case-by-case basis; citing appropriate reasons for the same.
12. If there is some discount in the price of any item, it should be deducted from price itself and such discounts should not be quoted separately.
13. If the product is available on DGS & D rate contract, then a copy of the contract must be attached and pricing be done including all taxes.
14. A copy of the test report for the product issued by any established and recognized private Laboratory or by agency accredited by the Government should be attached with the technical bid. However if required, the Technical-cum-User committee (T.U.C.) can take decision regarding exemptions/relaxations (if any), citing appropriate reasons.
15. In case of Bullet Proof/Bullet Resistant items, test report of TBRL or any Government Approved/Recognized Laboratory is compulsory.

- 21
16. Firms participating in this tender shall also submit duly sworn affidavit to the effect that " this firm has not been black listed/debarred by any Government or Semi Government or Private Agency and no sister concern of this firm is participating in this tender."
  17. Firms participating in this tender shall also submit the self attested list of users of its equipments.
  18. All items shall be received at Central Clothing Store, Patna; therefore price should be quoted FOR Central Clothing Store, Phulwari Sharif, Patna.
  19. Firms will have to deposit a sum of Rs.50,000/- (Fifty Thousand) only as an earnest money deposit in the form of Bank Draft duly pledged in favor of the undersigned along with the quotations. The small scale units located in Bihar shall not be liable to deposit earnest money. Exemption from submitting E.M.D. will also be available to those who are registered with the Central Purchase Organization/State Purchase Organization and National Small Industries Corporation (NSIC).
  20. Technical Bids will be opened on scheduled date and time in the office chamber of Police Headquarter. Representatives of the firms competing in the tender may remain present at the time of opening of the technical bid.
  21. The technical bids will be opened first and placed before the Technical Committee of the Police Headquarters, Bihar. If the technical bids are found satisfactory as per tender conditions, it will be put before Central Purchase Committee of the Police Headquarters, Bihar. The firms may be required to participate in the demonstrations of the quoted product and discussions with this committee.
  22. Any paper/document will not be accepted after opening the tender.
  23. Successful firm will have to enter into an agreement after depositing a sum of 5% of the total value of the order as security money in the form of Bank Guarantee duly pledged in favor of undersigned.
  24. The firm will be required to provide satisfactory after-sales service after the delivery of the product.
  25. The firm will be required to supply all the items within the stipulated time frame as mentioned in the purchase order.
  26. Payment for the delivered items will be made only after the acceptance report of the Inspection Committee of the Police Headquarters, Bihar.
  27. The firm whose quotation is approved by the Central Purchase Committee of the Police Headquarters, Bihar, shall be invited to enter into an agreement with the undersigned.
  28. It is expected to submit the duly filled chart attached herewith, along with the technical bid if not the tender shall be summarily rejected.
  29. Indexing of the requisite documents must be done and submitted along with the technical bid.
  30. Hands on training for 3 weeks of the equipment must be imparted to the user group by the firm after successful installation.
  31. Director General of Police Bihar, Patna reserves the right to reject any or all the quotations partially or fully, without assigning any reason thereof.
  32. The Quantity indicated may increase or decrease at the time of issuing purchase order.
  33. The bids must be include the data sheet of individual item.

23/11  
A I G (Q)  
Bihar, Police.

## 1. Specification of Work Station Desktop

Specification	Specification Name	Values
Processor	Processor Make	Intel
	Processor Generation	Latest Generation
	Processor	I7-8400
Graphics	Graphics Type	Dedicated
	Graphic Memory	4 GB
Operating System	Operating System (Pre-Loaded)	Win 10 Pro
RAM	Type of RAM	Latest
	RAM Size (GB)	8
	RAM Expandability upto (GB)	32
Storage	Hard Disk	2 TB
Cabinet	Cabinet	Tower
Connectivity	Wireless	WiFi
	Network Connectivity	10/100/1000
Ports	USB Port 2.0 (Number)	4
	USB Port 3.0 (Number)	2
Monitor	Monitor Size (INCHES)	27
	Monitor Resolution (PIXELS)	1920x1080

		LED screen
Power	Power Supply (Watt) SMPS	500 Watt
Certification	ROHS Compliance	Yes
	BEE / Energy Star for the given Model	Yes
Input Devices	Mouse	Optical
	Keyboard	Standard
Generic	Optical Drive	Yes
	Internal Speaker	Yes
	On Site OEM Warranty (Year)	3

## 2. Technical Specification of Laptop

Specification	Specification Name	Values
Processor	Processor Make	intel
	Processor Generation	Latest generation
	Processor	Intel® Core™ i7/i9
Graphics	Graphics Type	Dedicated
	Graphics Memory (GB)	4 GB
Memory	Type of RAM	Latest
	RAM Size (GB)	8
	RAM Expandable upto (GB)	32
	RAM Speed	Maximum
Storage	Type of Hard Disk Drive	SATA
	Hard Disk Drive Size( GB)	1TB
Operating System	Operating System	Win10 Pro
Ports	USB 3.0 or higher (No.)	1
	USB Type C	1
Connectivity	Network Connectivity	10/100/1000
	Wi-fi Connectivity	802.11ac
	Bluetooth	4.0 and Above
Display	Display Type	Non Touch
	Display Size (inch)	15.6
	Display Resolution (Pixel)	1920x1080
Additional feature	Webcam (HD or Better)	HD
Miscellaneous	Optical Drive	Yes
	Keyboard	Standard
	Trusted Platform Module Enabled	Yes
	Carry Case	Yes
Power	Battery Type (Li-Ion/Li- Polymer)	Yes
	Battery Back-up (Hours)	Minimum 7 Hours
Warranty	Battery Warranty (Year)	1
	On Site OEM Warranty (Year)	3

Audio	Headphones + Microphone combo Jack	1
-------	------------------------------------	---

117

### 3. Technical Specifications for CDR/SDR Analysis Software

SL.No	Specifications
1	<b>Data Normalization :</b> Data received from different service providers in different formats; the data should be imported without any extra manual efforts made.
1.1	Convert Exponential Values
1.2	Interchange Columns
1.3	Prefix numbers
1.4	Removing LRN number
2	<b>Various File Formats :</b> The software must be able to import all types of file formats received from different service providers
2.1	Excel (xls, xlsx, csv)
2.2	Text Files (txt, doc, docx)
2.3	HTML(.html files)
2.4	Adobe Reader Files (pdf)
2.5	MIS SQL
2.6	MIS-Access(.mdb, accdb)
3	<b>Different Types of Files :</b> Software should be able to import different types of files according to the cases.
3.1	CDRs (Normal/IMEI CDRs)
3.2	TDRs (Tower Dump)
3.3	SDRs (Subscriber Details)
3.4	Cell IDs (Tower Details)
3.5	iPDRs (Internet Protocol Details Record)
3.6	ILD Data (International Call Details)
4	<b>File Integrity :</b> it should maintain the integrity of files imported using standard and accepted algorithms.
5	<b>Single Window Data importing :</b> half of the Analysis is completed if the data is imported accurately. But most of the users find it difficult to import CDRs, TDRs, IMEIs, IPDRs from different windows. All Data importing into should be from single screen.
6	<b>Direct import of attachments from mail box :</b> The software should be able to import the files directly from the mailboxes; which will be convenient to the users to save the data directly into software.
6.1	Should be able to import the data held in the clipboard.
7	<b>Dashboard :</b> Dyanmic Dashboard should provide quick overview and key information with graphical presentation on a single screen so that information could be monitored at a glance.

8	<b>Data Analysis : should be able to perform the following analysis</b>
8.1	Frequency Analysis
8.2	Matrix Report
8.3	Number Tracking
8.4	Pattern Analysis
8.5	Auto display the opposite party location
8.6	Matching Movements of multiple suspects
8.7	In-Roamers
8.8	States/Countries Connections
8.9	Work/Home/Hideout Locations
8.1	Frequently Visited Places
8.11	Movement Analysis
8.12	Day/Night Callings
8.13	Scramble Number
8.14	Common Nos
8.15	New Number Analysis
9	<b>Data Visualization : Should be a graphical interactive tool to analyze the CDR/Tower data by creating clusters or groups making them more accessible and easier to understand and should have the following functionality:</b>
9.1	Should generate the following types of Layouts/Charts
9.2	Peacock Layout
9.3	Circular Layout
9.4	Hierarchical Layout
9.5	Timeline Layout
9.6	Should show histogram and show the common data between selected nodes.
9.7	Identify the Node with maximum density.
9.8	Should be able to find the shortest path in the network.
9.9	Should be able to find the longest path in the network.
9.1	Should highlight the common numbers.
9.11	Should be able to identify the common number with maximum density.
9.12	Should Identify the CDR numbers.
9.13	Should Identify the CDR numbers with maximum density.
9.14	Should help users to quickly visualize and identify the common elements and patterns hidden within data.
9.15	Should allow users to perform drill down on any graph or table to view the detail breakdown on any value during the course of analysis.
9.16	Should be able to provide data Filtering and Sorting on various fields/properties and provide analysis and visualization capabilities on filtered dataset.
9.17	Should be able to show Links chart in different levels up to 4 degree.
9.18	Should produce dynamic briefing charts by including photographs, and electronic documents.
9.19	Should be able to search for the given number and highlight the same.
9.20	Should be able to move the required cluster of nodes or required nodes to new analysis screen.



9.21	Should be able to display the SDR of the selected number.
9.22	Should display the details of the selected number.
9.23	Should save the generated chart as an image.
9.24	Should be able to change colors fonts styles of the network.
9.25	Nodes and Links of the graphical representation as per user's requirement.
9.26	Should be able to remove the nodes that have links equal to less than the given number.
9.27	Unwanted or irrelevant nodes should be removed on single click.
10	<b>IPDR Analysis :</b> Should generate following reports from IPDR:
10.1	Should decode the destination IP to ascertain the nature of internet activity.
10.2	Should decode the Cell IDs to see the movements.
10.3	Should generate summary on various given parameters.
11	<b>GEO Analysis :</b> Should plot and make a virtual map with respect to time and be capable of graphical presentation of location fixation over either GIS street level map to be provided with the system or on the freely available street level maps from providers
11.1	Should intelligently animate the path on map travelled by the suspect
11.2	Should be able identify and highlight the towers that are located or closest to selected area.
11.3	Crime mapping should be able to map, visualize, and analyze crime incident patterns.
11.4	Find Route Directions: It should find the nearest route directions between 2 places selected on maps; which enable the I.O to choose between given different routes to travel from Source to Destination addresses.
11.5	Geo Fencing: Should be able to defines a virtual boundary on geographical MAPs.
12	<b>Quick Analysis</b>
12.1	A feature that enables users without importing CDRs into software and enables the user to Quickly analyse and generate quick reports such as Frequent Calling Nos, Night locations, WDN Nos, Suspect Nos etc; after which the I.O can decide whether to continue with the further Analysis.
13	<b>Behaviour Analysis :</b> System should guage any change in behaVIOUR of suspects between user defined time periods.
14	<b>Intelligence Analysis :</b> System should extract intelligence from huge volumes of data based on user defined criteria.
15	<b>Search Features :</b>
15.1	Search Out of Box: Users can search for suspect numbers in whole system.
15.2	Phonetic Search (for ex: saleem,salim,salemi)

15.3	SDR Search by Names, Numbers, Address, DOA, Service Provider, State vice.
15.4	iMEI Search/iMSI Search
15.5	CDR Search Parameters according to Date, Time, Numbers
15.6	Cell ID's search, Lat/Long search, Service provider/State vice Cell IDs search
15.7	Geo Search (Area, Cell IDs, Nearest Tower Search for selected area)
16	Data Matching : Should be able to match the data with other external / internal sources without being taken into the application and should have the following functionality:
16.1	Should be able to match with external data files.
16.2	Should be able to match with the ODBC
16.3	Should be able to match with other analysis
16.4	Should be able to match with the Geo-Fence which is drawn on geographical maps like Google maps / Bing maps.
17	Case Management : Software should contain an option to store all the case related data; like persons involved, their numbers, its media etc. This data can be considered/compared with the current crime scene; which will help the I.O's to find out the modus operandi or can get assistance from the police station/I.O of crime reported.
17.1	Adding persons names and their Mobile/IMEI/iMSI Numbers
17.2	Crime Scene Maps (with Lat/Long info)
17.3	Weapons used during crime
17.4	Statements of various persons involved in case
17.5	Articles Seized
17.6	Media Files (Audio/Video/CCTV)
18	Data Repository
18.1	Should be able to add entities.
18.2	Should be able to add data files, documents, media files like audio video images.
18.3	Should be able to add notes, links to the entities.
18.4	Should be able to store and show the gathered intelligence.
19	Other Databases Colloaboration
19.1	Should be able to add data connection to the external / third party databases, external data sources.
19.2	Should be able to match the data with external data sources.
19.3	Should help users to identify the common elements and patterns.
20	Should optimize to connect multiple back end software thus giving flexibility to user.
21	Inbuilt Mailbox
	System should have inbuilt mailbox, where a user can send & receive mails directly from the software avoiding numerous windows onto system and get baffled between the same.

22	Multiilingual User interface should allow user to select their own preferred display language.
23	SMS based information retrieval system
24	Android App based information retrieval system.

**4. Specification of Printer/Scanner/Copier**

Sl.No.	Parameter	Specification
1	Type	A4 Mono Multifunction Printer
2	Print Technology	Laserjet
3	Functions	Print, Copy & Scan
4	Print Speed (A4)	24 PPM or Higher
5	First Page Out	less than 10 seconds or better
6	Print Resolution	600*600 dpi or better
7	Scan Type	Flatbed
8	Scan Technology	Contact Image Sensor (CIS)
9	Scan Speed (A4) B/W & Color	5 PPM or more
10	Scan Resolution	1200*1200 dpi
11	Digital Sending Features	Scan to email, scan to application, scan to file
12	Copy Speed (A4)	24 CPM or more
13	Multiple Copies	99 or more
14	Resizing	25-400%
15	Processor Speed	600 MHz or above
16	Memory	128 MB or more
17	Duty Cycle	8000 pages or more
18	Recommended Monthly Page Volume	2000 pages or more
19	Connectivity	1 Hi-speed USB 2.0, 1 Ethernet network, built in Wi-Fi
20	Input Trays	Input Tray of 150 sheets or more
21	Output Tray	100 sheets or more
22	Warranty	Comprehensive OEM Onsite warranty of 3 Years

**5. Technical Specification of Mobile Forensic software**

1. The mobile phone forensic software should extract all data from a phone . This data should includes deleted data, call history , contacts, text messages, multimedia messages, files, events, notes, password, Facebook, WhatsApp, and many others.
2. Reports should be prepared in PDF, XLS or HTML formats or one can generate data exports compatible with other data analysis tools in cyber lab.
3. Solution should extract data from chinese phones.

4. Solution should extract data from icloud.
5. Solution should extract deleted data.
6. solution should support physical data acquisition
7. Solution should support phone unlocking.
8. It should support maximum number of handsets.
9. Solution should support auto-detection during acquisition, with both logical and physical acquisitions, makes it easy for the examiner to immediately start an acquisition once the device is plugged in.
10. It should have access to locked backups of a phone by using password and PIN breaker including of Iphone.
11. It should be capable of extracting multiple phones at same time and generating multiple outputs for each one to speed up investigation process.
12. The handset support at least handsets including operating systems such as iOS, Android, Blackberry, Windows Phone, Symbian, Mediatek, chinese and CDMA phones.
13. It should able to extract data from sim card.
14. Solution should have SIM cloning access cards for forensic use.
15. Solution should come with three years of warranty.
16. Bidder should be authorized from OEM.

**6. SPECIFICATION FOR WRITE BLOCKER**

- Should be all-in-one universal Write Blocker kit and supports forensic acquisitions from SATA, USB, PCIe, SAS, FIREWIRE and IDE devices.
- It should have facility to use as Portable & Stand-alone
- Write blocker should have Color led indicators for "write block" or "read/write" mode visibility
- Should have USB 3.0 host computer connection
- Should have SATA power connectors for devices
- Should have Read/Write capabilities for all device ports
- Solution should come with PCIe card SSD adapter, PCIe M.2 SSD adapter with suitable Cable.
- Thunderbolt to Firewire Cable and USB-C to USB Cables are also required to connect and acquire MAC Machines in Target Disk Mode
- Must be provided with all the cables and accessories including IDE data cable, IDE power cable, SATA data cable, SATA power cable, SAS unified cable, 1.8" hard drive adapter, 2.5 hard drive adapter, Micro Sata adapter, USB3 cable, Blade type SSD adapter, ZIF adapter set, LIF adapter set)
- Solution should have additional facility for data recovery/ acquisition from different kind of storage devices which should also have below-mentioned features:  
Data recovery software recovers deleted files emptied from the Windows Recycle Bin, files lost due to the format/re-install of a hard drive, or files removed by a virus, Trojan infection, hard disk system shutdown or software failure. Recover

documents, photos, videos, etc. and email. Recovers data from NTFS, FAT(12/16/32), exFAT, HFS, and other file systems

Software should be able to store Disk Image as well and also have RAID recovery and HEX view option

- Solution should come with USB 3.0 Interface Forensic Card Reader with Read/ Write switch, should have support for following multimedia card formats: Compact Flash Card (CFC), Microdrive (MD), Memory Stick Card (MSC), Memory Stick Pro (MSP), Memory Stick Pro Duo (MSPD), Smart Media Card (SMC), XD card (XD), Secure Digital Card (SDC, SDHC and SDXC), Micro SD, Multimedia Card (MMC)
- Firmware updates should be provided regularly during the Warranty Period
- Bidder should provide OEM authorization for the same project.
- Bidder should be in the Digital Forensic Business for at-least 5 (Five) years
- Bidder should have sold similar product to at-least 3 Indian Government Organisation in last 2-3 years

## 7. Specification of Digital Evidence Forensics Analysis Software

Solution allows you to identify suspicious files and activity with hash matching, drive signature comparisons, e-mails, memory and binary data.

- Should Find files faster, search by filename, size and time
- Should Search within file contents using the Zoom search engine
- Should Search through deleted files from Outlook, Thunderbird, Mozilla and more
- Should Recover and search deleted files
- Should Uncover recent activity of website visits, downloads and logins
- Should Collect detailed system information
- Should be able to perform Password recovery from web browsers, decryption of office documents
- Should Discover and reveal hidden areas in your hard disk
- Should Browse Volume Shadow copies to see past versions of files
- Should Verify and match files with MD5, SHA-1 and SHA-256 hashes
- Should be able to find mis-named files where the contents don't match their extension
- Should be able to Create and compare drive signatures to identify differences
- Timeline viewer should provide a visual representation of system activity over time
- Should have an option of File viewer that can display streams, hex, text, images and meta data
- Email viewer should display messages directly from the archive
- Registry viewer should allow easy access to Windows registry hive files
- File system browser should explorer-like navigation of supported file systems on physical drives, volumes and images
- Raw disk viewer should navigate and search through the raw disk bytes on physical drives, volumes and images
- Web browser should browse and capture online content for offline evidence management
- ThumbCache viewer to browse the Windows thumbnail cache database for evidence of images/files that may have once been in the system
- SQLite database must browse, to view the and analyze the contents of SQLite database files
- ESEDB viewer must view and analyze the contents of ESE DB (.edb) database files, a common storage format used by various Microsoft applications

- Prefetch viewer must identify the time and frequency of applications that been running on the system, and thus recorded by the O/S's Prefetcher
  - Should allow List and Search for Alternate File Streams
  - Must Sort Files by Color
  - Should provide Multi-core acceleration for file decryption
  - Should have an option of Import / Export Hash Sets
  - Should support View NTFS \$130 directory entries
  - Should Runs without a valid Operating System
- 
- Case management should enable you to aggregate and organize results and case items
  - HTML case reports must provide a summary of all results and items you have associated with a case
  - Should Centralized management of storage devices for convenient access across all Solution's functionality
  - Should Drive imaging for creating/restoring an exact copy of a storage device
  - Should Rebuild RAID arrays from individual disk images
  - Should Install Solution on a USB flash drive for more portability
  - Should Maintain a secure log of the exact activities carried out during the course of the investigation