

NIT NO. 29 OF 2011

DATED: 20 - 12 -2011

Tender document is available on J & K Police Website; www.jandkpolice.org

1.	<p>For and on behalf of the Governor J&K State, sealed tenders are invited from original manufacturers and approved authorized dealers affixing revenue stamp worth Rs 5/- duly sealed with sealing wax and stamp of the tenderer, for the <u>supply/ Installation/ Commissioning of Cyber Forensic Hardware/ Software (Complete Solution)</u> for Creation of Cyber Crime Police Station in J&K as specified in Annexure '<u>A</u>' of this NIT. Approved/authorized dealers will attach valid & authenticated copy of authorization of original manufacturer, without which tender shall be rejected.</p>
2.	<p>The tenders shall be properly sealed and addressed to ADGP (Headquarters) C/O Director General of Police J&K Jammu. The tender envelopes shall be superscribed "TENDER FOR <u>supply/ Installation/ Commissioning of Cyber Forensic Hardware/ Software for creation of Cyber Crime Police Station in J&K FOR NIT NO. 29</u> of 2011 dated. 20 -12 - 2011.</p>
3.	<p>The tender fee has been fixed at Rs 2000/- which shall accompany the tender offer only, in the shape of a <u>crossed demand draft</u> favouring Chief Accounts Officer PHQ, J&K payable at Jammu. The tender fee is not refundable and the same will be deposited into Govt. Treasury under Head 0055-Police for the year 2011-12.</p> <p>The local SSI units are required to pay the tender fee prescribed as per J&K Govt rules. However, the Govt/Semi-Govt. concerns of the J&K State claiming exemption shall append authenticated orders, certificates etc. issued by competent authority in support of their claim.</p> <p>Tenders without tender fee shall be rejected.</p>
4.	<p>Earnest Money Deposit (EMD)</p> <p>The intending tenderer/s will have to send the Earnest Money of Rs. 1.00 lacs only in shape of CDR/FDR from any nationalized bank/ scheduled bank for the whole solution, pledged to AIG (Prov/Tpt) PHQ J&K with the tender offer, which shall be valid for one year. There is no need of furnishing EMD separately for each individual item. The earnest money in the case of unsuccessful tenderer shall be released after finalization of Tender, whereas, in the case of successful tenderers it will be adjusted towards the security money (required to be deposited) on application, for due performance of the agreed contract/performance during the warranty period; No interest shall be payable by purchaser on the EMD deposited by the tenderer).</p> <p>J&K Govt. rules with regard to furnishing of EMD in respect of local Registered SSI units shall be applicable in letter and spirit. The local SSI units are required to pay the EMD prescribed as per J&K Govt rules which at present is 50% of the value of contract or Rs 5000/- whichever is less. For the purpose, SSI units shall have to furnish registration certificate and Functional Certificate of SSI Unit, issued by the competent authority with their tender offer failing which the benefits of SSI units will not be allowed.</p> <p>The Government/ Semi Govt. or similar other concerns, claiming exemption from the payment of EMD shall have to append duly authenticated orders, certificate etc. from competent authority supporting their claims.</p> <p>Tenders without EMD shall be rejected</p>
5.	<p>Security Deposit. The approved tenderer have to furnish security deposit in the shape of irrevocable Bank Guarantee from any Nationalized or Scheduled Bank equivalent to 10% of the total value of the contract at the time of signing of <u>Deed of Agreement</u> to ensure satisfactory performance of the system supplied, for Warranty period from the date of installation of the system. This BG shall be released in due course after the expiry of specified warranty period/agreed contract. However the renewal of the BG shall be the responsibility of the successful bidder .The charges on stamps etc. (cost of documents in totality) shall be borne by the supplier while executing the agreement. (No interest shall be paid by the purchaser on the Security deposit).</p>

6.	Dispatch Instructions; Stores are required to be delivered at Consignee's location (Jammu), at freight, risk and cost of the supplier.																						
7.	Store required at; Consignee location.																						
8.	Delivery required; Within one month from the date of confirmed order or as mentioned in the supply order.																						
9.	The successful tenderer will have to arrange onsite commissioning/installation and training to end users as and when asked for, the cost whereof to be included in the quoted price.																						
10.	<p>Comprehensive Guarantee/Onsite Warranty period; The tenderers shall provide warranty of hardware/software solution for a minimum period of 02 years covering all the systems, sub systems The cost of warranty period will be included in the quoted price. If during the aforesaid period, the said stores be discovered not conforming to the description and quality or not giving satisfactory performance or have deteriorated, the decision of the purchaser in that behalf shall be final and binding on the contractor and purchaser shall be entitled to call upon the contractor to rectify the goods or such portion thereof as is found to be defective by the purchaser within a reasonable period or such specified period as may be allowed by the purchaser in his discretion on/an application made thereof by the contractor and in such an event, the above mentioned warranty period shall apply to the goods rectified from the date of rectification thereof. In case of failure of the contractor to rectify or replace the goods etc within specified time, the purchaser shall be entitled to recover the cost with all expenses from the contractor for such defective stores.</p>																						
11.	<p>Annual Maintenance Contract (AMC) The tenderers will quote AMC for three years after the expiry of warranty, quoting rates, for each year which shall be subject to the relevant clause in the terms and conditions document annexed with the tender and the terms and conditions to be spelled out in supply order.</p>																						
12.	<p>Indemnification from proprietary rights. The successful bidder shall have to indemnify J&K Police, against all third party claims of infringement of patent , copyright, trademark and trade designs arising from the sue of the goods or any part thereof in India.</p>																						
13.	<p>Licensing of Software ; The successful bidder shall have to furnish licensing of the tendered software for one year commencing from the date of formal commissioning and installation. Such bidder shall be under obligation to renewal of licenses as and when required under standard terms and conditions to be negotiated with the purchaser.</p>																						
14.	<p><u>TWO BID SYSTEM;</u> All bidders are required to submit their offers in two covers as under;- (A) <u>FIRST COVER</u> (Technical Bid) should contain the following;-</p> <table border="1"> <tr> <td>i.</td> <td>Tender documents duly completed and signed BUT WITHOUT INDICATING THE RATES QUOTED.</td> </tr> <tr> <td>ii.</td> <td>Earnest money.</td> </tr> <tr> <td>iii.</td> <td>Tender Fee</td> </tr> <tr> <td>iv.</td> <td>Technical specifications of the item quoted alongwith original catalogues (Make & Model).</td> </tr> <tr> <td>v.</td> <td>Delivery terms, delivery period to be quoted.</td> </tr> <tr> <td>vi.</td> <td>List of the orders received and executed during last two years giving reference of the order, value of order, Name of the agency/department alongwith performance certificate. Compliance of tender requirements and local support etc.</td> </tr> <tr> <td>vii.</td> <td>Registration certificate/Industrial License of original manufacturer, for the material quoted.</td> </tr> <tr> <td>viii.</td> <td>Certificate of being authorized dealer having authorization of the original manufacturer to quote against the tender.</td> </tr> <tr> <td>ix.</td> <td>Authorized Dealer having authorization to quote against this tender, shall furnish his Registration Certification with Central/State Sales Tax department.</td> </tr> <tr> <td>x.</td> <td>A copy of this NIT duly signed & stamped on every page by the tenderer, in token of having understood and accepted the specifications, terms & conditions of the NIT.</td> </tr> <tr> <td>xi.</td> <td>Any other relevant document which the firms wish to submit.</td> </tr> </table>	i.	Tender documents duly completed and signed BUT WITHOUT INDICATING THE RATES QUOTED.	ii.	Earnest money.	iii.	Tender Fee	iv.	Technical specifications of the item quoted alongwith original catalogues (Make & Model).	v.	Delivery terms, delivery period to be quoted.	vi.	List of the orders received and executed during last two years giving reference of the order, value of order, Name of the agency/department alongwith performance certificate. Compliance of tender requirements and local support etc.	vii.	Registration certificate/Industrial License of original manufacturer, for the material quoted.	viii.	Certificate of being authorized dealer having authorization of the original manufacturer to quote against the tender.	ix.	Authorized Dealer having authorization to quote against this tender, shall furnish his Registration Certification with Central/State Sales Tax department.	x.	A copy of this NIT duly signed & stamped on every page by the tenderer, in token of having understood and accepted the specifications, terms & conditions of the NIT.	xi.	Any other relevant document which the firms wish to submit.
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	<p>A) SECOND COVER (Commercial/Price Bid) should contain the following:-</p> <ol style="list-style-type: none"> i. Details of rates, duties, taxes. These details should be submitted on the letter head of the bidders firm. (Note) J&K State entry tax @ 13.5%, is reimbursable on production of original documents by the successful bidder. J&K Police does not issue Road Permits <u>OR</u> Concessional Forms etc. as such; rate so quoted shall be F.O.R Consignee. (Rates shall be filled as per the enclosed format, at Annexure "B") The rates quoted not in accordance with this format shall be at the consequence of tenderers and PHQ shall have no corresponding liability. It is in the interest of tenderers that rates are quoted in the prescribed format only) ii. Rates must be clearly written in figures as well as in words, free from over writings, cuttings and alterations. Rates quoted should be on firm price basis. iii. Tenders shall be filled in clearly and with one ink. No cuttings/alterations/ over-writings shall be made in the tender. Correction, if any, be done clearly and properly initialed iv. Rates quoted shall valid upto 31.03.2012 with a provision of further extension if finally approved by State Level Purchase Committee for J&K Police Department. <p>Both the above mentioned covers should be sealed separately, and superscribed with the Tender No, Stores and date of tender opening. This cover should thereafter, be kept in a third cover and again sealed. This cover should also be super scribed with the Tender No, Stores and date of opening.</p>
15.	Tender offers alongwith specifications duly accepted by tenderer shall be received by PHQ J&K Gulshan Ground Jammu upto 05.01.2012 (1600 hours) . The department shall not be liable for any postal delays. No Tender will be accepted after the due date and time.
16.	No conditional tender will be accepted/ entertained. It will be summarily rejected. No other condition than those mentioned (in the terms set-forth) will be entertained;
17.	On due date of opening of tenders' i.e. 06.01.2012 (at 1100 hours) at Police Hqrs J&K Gulshan Ground Jammu , only technical bid of the tender shall be opened. Only authorized representative will be allowed to attend the meeting for opening tenderers. He/She should also bring authority letter on company/firms letter head that any decision/negotiation taken by him/her would be accepted by company/firm. In case of unforeseen circumstances the date of opening will be next working day or as notified separately. The Financial bid shall be opened only in case of such tenderers, who on scrutiny of Technical Bid are found to have qualified for opening of the same. The financial bid will be opened on any other day at the discretion of State Level Purchase Committee.
18.	The short listed tenderers will have to arrange for the Technical or field / Practical demonstration of the Equipments, if any required, at their own cost at the place and date to be fixed by the Authority. The bids of the firms / bidders who do not arrange / participate in the demonstration as above will be treated as rejected.
19.	The approved supplier shall be deemed to have fully understood the conditions, specifications, size, patterns, make etc. of the article/s etc. to be supplied and in case of any doubt may seek clarification;
20.	The supplies delivered by the successful tenderers shall be surveyed and verified at our Stores i.e. Police Central Stores Jammu/Srinagar by the Survey Committees constituted for the purpose.
21.	The successful tenderer shall have to enter into an agreement/deed on prescribed proforma (immediately after the issue of supply order) with the Department for due performance of the contract which shall be invariably furnished before the supply is made.
22.	The successful tenderers shall arrange supplies within the period mentioned in the supply orders. The period of delivery and validity may be extended, at absolute discretion of this Hqrs provided the delay is justifiable.
23.	After the rate is approved, the successful tenderer shall give in writing that if it is found subsequently that he has supplied the same product at the rates lower than offered to PHQ, the same rates will apply to J&K Police and the excess amount if any, paid to the firm shall be recovered from it in any manner.
24.	The tenderer is required to furnish an authenticated copy of latest Sales Tax/ VAT/ clearance certificates

	and PAN and VAT registration certificate(alongwith the tender offer or at the time of payments). The PHQ shall be at liberty to put to scrutiny, verification etc. the Sales tax clearance so furnished by the successful tenderer
25.	Payment shall be released by the department against successful commissioning /installation of the whole system and as per the terms and conditions of supply order.
26.	Remittance charges (Bank Commission) on payment made to the firms will be borne by the suppliers. The charges of stamp etc. shall be paid by the supplier while executing the agreement;
27.	As soon as the acceptance of the tender is communicated to the successful tenderers, the contract shall be binding on him. The EMD of the tenderer who backs out or withdraws his tender or fails to abide by it, after acceptance thereof, is communicated/posted to him shall be forfeited besides other penal remedies that may be available to the Govt. of the J&K under the law for the time being in force in the State of J&K.
	(a) If, after the registration/placement of orders/execution of the agreement and formally depositing the security money , the tenderer backs out or fails to supply the goods, the security deposit will be forfeited besides any other penal measures, the department may take as per norms in vogue;
	b) The formal deed incorporating the terms of the contract will be executed by the successful tenderer immediately after receipt of supply order. Failure to execute such bond/deed shall not however prevent the contract from being enforced against the tenderer. Any loss sustained by the Govt. as a result of re-tendering the contract, shall be recovered from the defaulter, besides other penal measures as the department may think proper;
	c) Goods shall be delivered (as per instructions in supply order) either at Police Central store, Gulshan Ground, Gandhi Nagar, Jammu or Police Central Store, Zewan, Srinagar duly packed in perfect condition. The supplier if he so desires may insure the goods against loss or theft, destruction, damages by the natural calamity loss by exposure to weather or other wise viz. war rebellion, riot etc. The insurance charges will have to be borne by the supplier and the department shall not pay such charges;
	d) If, the successful tenderer fails to supply the goods of the prescribed specification or fails to deliver the goods within the stipulated period as specifically mentioned in the supply order, the department shall be at liberty to arrange supplies by other possible means, at his risk and cost. The department may give prior notice to the approved supplier in writing to make supplies good. In case of failure to supply the consignment on specified qualitative & quantitative terms, the department shall be lawfully entitled to forfeit the amount of the security money and take penal action to make good the loss sustained or excess cost incurred by the state in arranging of the supplies and other remedies that may be available to the department, under the law for the time being in force in the state.
28.	The supplier shall not sublet the contract or any part thereof to any other agency without the concurrence of PHQ.
29.	The decision of the accepting authority shall be final as to the quality of stores and shall be binding on the supplier. In case the articles supplied are not according to the approved specifications they shall be rejected. The replacement of the rejected stores shall be allowed at the sole discretion of the department. The loss caused due to rejection of the supplies shall be entirely borne by the supplier. The rejected equipment shall be lifted by the supplier within one week from the date of rejection. The department shall in no case be responsible for any loss or damage that may occur to the rejected stores while these are in the premises of the consignee.
30.	The quantities indicated in the Tender Notification are tentative and this Headquarters reserves absolute rights to change the same without any prior notification upto the validity of rate contract of this NIT.
31.	The authorities reserve absolute discretion to reject or accept any tender or a part thereof without assigning any reason and without any legal obligations. Any clause incorporated in the bid (not conforming to the NIT in any manner) shall make such an offer liable for rejection. Therefore, all the terms and conditions of the Tender Notice including technical specification shall be carefully studied for the sake of complete and comprehensive tender. Failure to comply with any of the tender conditions or instructions or the offer with insufficient particulars/ documents, which is likely to render fair comparison of tender as a whole impossible shall lead to rejection even if otherwise, it is a competitive offer/tender.

32.	The Department reserves the right to add or suitably modify the terms and conditions (without prior notification) as per exigencies that may arise for one or the other reason.
33.	All legal proceedings arising out of any dispute between the parties shall have to be settled in the Courts situated in Jammu and Srinagar and not elsewhere;
34.	Copies of tender can be had on any working day (during office hours) from AIG (Prov/Tpt) Police Headquarters J&K Gulshan Ground Jammu or office of DIG of Police Jammu-Kathua Range, Jammu or SP J&K CID Cell II Harish Chander Mathur Lane Kasturba Ghandhi Marg New Delhi 110001.

Sd/-
ADGP (Hqrs)
For Director General of Police,
J&K-Jammu.
PIN-180001.

No. Prov-II/WPR-56/2011-12/NIT- 29/ 57170-85

Dated: 20 .12. 2011.

Copy to the:-

1. Principal Secretary to Govt. Home Department J&K Jammu for favour of information.
2. Director Information J&K Jammu alongwith copy of NIT and Gist. Kindly arrange the publication of Gist of the NIT in National Dailies viz, The Hindu, Decan Herald, Hindustan Times , Indian Express and in local Newspapers i.e. (Greater Kashmir in Srinagar) and Kashmir Times or Excelsior in Jammu) and tender Journals etc for wide publicity. The payment for publication in National Dailies shall be made by the PHQ against bills.
3. Director Door Darshan Jammu/Srinagar and Station Director Radio Kashmir Srinagar/Jammu for putting the tender notice on air for three consecutive days.
4. Director Industries Jammu/ Srinagar, for information
5. DIG of Police Jammu/Kathua Range Jammu alongwith 10 copies of NIT each for distribution among the leading firms.
6. Manager, Government Press Srinagar/Jammu for publication in Govt. Gazette.
7. SP J&K CID Cell Harish Chander Mathur Lane Kasturba Ghandhi Marg New Delhi 110001 alongwith 10 spare copies of NIT and GIST thereof for distribution among leading firms/dealers. He shall ensure that the tenders received at CID cell New Delhi are sent to PHQ well before the date of opening.
8. PRO to DGP J&K Jammu alongwith 06 copies of NIT and Gist thereof. He will personally liaise with Directorate Information for publication of the NIT/Gist well before the date of opening of technical bids and make available concerned Newspapers to AIG (Prov/Tpt) PHQ J&K.
9. DYSP In-charge PCS, Zewan Srinagar/Gulshan Ground, Jammu
10. In-charge IT Centre PHQ for posting the NIT available on website of J&K Police.

Sd/-
ADGP (Hqrs)
For Director General of Police,
J&K-Jammu.

POLICE

HEADQUARTERS

J&K

JAMMU

GIST OF NIT NO 29 of 2011
DATED; 20 / 12 /2011.

For and on behalf of the Governor Jammu & Kashmir State, sealed tenders affixed with revenue stamp of Rs. 5/- are hereby invited from original manufacturers or their authorized dealers having authorization from the manufacturer/s to quote against the tender for the **supply/ Installation/Commissioning of Cyber Forensic Hardware/ Software (Complete Solution)** for creation of cyber police station in J&K as per specifications given in Annexure "A" to this NIT. The tenders shall be addressed to ADGP (Hqrs) PHQ J&K C/O Director General of Police J&K, Jammu. The last date for receipt of tenders is. **05-01- 2012 upto 1600** hours. Tenders shall be received at **Police Headquarters J&K Gulshan Ground Jammu**. Technical Bid of tenders will be opened **on 06.01.2012 at 1100** hours at Police Headquarters J&K Jammu. In case of unforeseen circumstances, the date of opening will be next working day or as notified separately.

The detailed tender documents with terms and conditions is available on website **www.jandkpolice.org** and can be had on any working day from AIG (Prov/Tpt) PHQ J&K Jammu or DIG of Police, Jammu, Kathua Range Jammu or SSP J&K CID Cell II Harish Chander Mathur Lane Kasturba Gandhi Marg New Delhi 110001.

Sd/-

ADGP (Hqrs)
For Director General of Police,
J&K-Jammu

ANNEXURE "B" TO NIT No: 29 OF 2011; DATED. 20 : 12 :2011
PROFORMA FOR QUOTING RATE/S

Note Rate to be quoted in INR only:

S.No	Rates structure (F.O.R. Police Central Stores Jammu).	Unit rate in Rs.
1.	Basic Unit Cost.	
2.	Custom duty, Rate and amount (if applicable)	
3.	Excise duty with rate and amount of duty (if applicable).	
4.	VAT/CS. (Rate and amount to be indicated separately).	
5.	Packing, forwarding, freight, insurance etc. charges, up to place of destination/installation (Srinagar/Jammu).	
6.	Any other duty/charges . (Please specify the type of duty/charge, rate and amount, in absence of which it will not be accounted for.	
7.	J&K State Entry Tax @ 13.5% of bill of cost payable (Subject to production of original GR issued by J&K Commercial Taxes Deptt) by approved supplier	
8.	Total Cost of 1-7 above inclusive of all taxes/ charges	
9.	Charges of AMC for the 1st year after expiry of warranty period. (mention %age also)	
10.	Charges of AMC for the 2nd year after expiry of warranty period. (mention %age also)	
11.	Charges of AMC for the 3 rd year after expiry of warranty period. (mention %age also)	
12.	Total cost of AMC for 03 years after warranty period.	

- (i) J&K Police does not issue Road permits, Excise duty/ entry tax exemption certificates or Concessional forms etc. **For Services component**, the successful bidder shall be liable for charges of service tax at 10.3%)

Sd/-
ADGP (Hqrs)
For Director General of Police
J&K-Jammu

ANNEXURE "A" OF NIT No: 29 OF 2011; DATED. 20 : 12:2011

- **Note:** (Specify make and Model of the Product and furnish the technical data sheet/Literature of the model being quoted wherever required)
- Qty mentioned against each:

1- High End forensic workstations

(1)

- a) Intel® Workstation Board S5520SC
- b) Highly scalable DDR3 memory 12 DIMMs of registered or unbuffered DDR3 ensure ample capacity and energy-efficient performance for any application.
- c) High-performance I/O architecture 5 expansion slots, including 2 fast PCI Express* 2.0x16 slots provide optimal I/O flexibility
- d) Flexible storage configurations Integrated 6 SATA ports plus optional 4 port SAS and SAS RAID Intel® I/O Expansion Modules provide versatile storage configurations
- e) USB 2.0/IEEE 1394 a port offers sustained, high-performance connectivity and control to external devices
- f) Thermal solutions Intel® Thermal Solution STS100 series
- g) Server chases
 - Intel® Server Chassis SC5600
 - Intel® Server Chassis SC5650
- h) Raid
 - Intel® RAID Controllers 5/10
- i) Server adapters
 - Intel® Sever Adapters
- j) I/O expansion modules
 - Intel® Expansion Modules
- k) Intel Xeon Processor W5590 (Product code BX80602W5590)
- l) Clock speed 3.33 Ghz, Intel QPI Speed 6.40GT/s, Shared L3 Cache 8 MB
- m) Memory Speed 1333MHZ, No. of cores/Threads 4/8
- n) Memory 48 GB DDR3
- o) 2X1.5 TB HDD of 10000 rpm
- p) Window 7 professional x64 Edition
- q) Anti-virus Software Corporate version for Five years
- r) Write Protected IDE & SATA Bay,
 - Multimedia Card reader
 - DVD Writer
 - 12xHi-Speed USB 2.0 (8 Back Port, 4 Ports via 2 internal headers)
 - Fire wire Card
 - Intel PRO 10/100/1000 Network Connection
 - Cooling System
 - 5 x 5.25" Peripheral Drive Bays (1 IDE & 4 SATA) with cables connectors
 - 1 swappable bay cable and connectors for Laptop HDD
 - 1 x 5.25" Drive Bay for 3.5" 1.44MB Floppy Drive
 - 7 x Full-height, Full-length expansion slot
 - 2 x 120mm Hot-swappable Fans
 - 1x120mm Rear-exhaust Fan
 - Power Switch & 5 LED Indicators
 - Mobile Rack
 - Speaker with woofer

- 22" LCD wide
- Keyboard
- Mouse Optical

2- Forensic workstation

(1)

- a) Core i7
- b) WX58 BP Intel Org Sever Board
- c) Chipset Intel® x58 Express with Intel® I/O Controller Hub 10R
- d) Memory 4 DDR3 DIMM sockets in three channels
(Un-buffered ECC or non-ECC) (1066/1333MHz) Slot types
 - 2 PCI Express* 2.0x16 slot
 - 1 PCI Express 2.0x4 Slot
 - 2PCI Express 1.0x1 slot
 - 1 PCI 32/33 slot
- e) Storage 6 SATA ports (3 Gbps) via ICH10R with Intel® Matrix Storage Technology (RAID 0,1,10,5 and new Intel® Rapid Recover Technology) Integrated LAN Embedded Intel® 82567LM Gigabit Ethernet Controller Integrated audio Dolby* home theater with high definition audio Graphics technology Supports ATI* Cross Fire X* Technology.
- f) 16 Gb Ram DDR3
- g) 1.5 Tb Hard Disk of 10000 RPM
- h) ATX Server Chassis
- i) Multimedia Card Reader
- j) DVD writer
- k) 12xHi-Speed USB 2.0(Back Port, 4 Ports via 2 internal headers)
- l) Upto 2 IEEE 1394 a Prts (1 back port, 1 via inter header)
- m) Intel PRO 10/100/1000 Network Connection
- n) Four (04) Swappable bays Cables and Connectors for IDE, SATA and LAPTOP disk drives.
- o) Keyboard
- p) Mouse Optical
- q) Speakers with woofers
- r) 22" LCD wide
- s) Cooling System
- t) Graphic Card Nvidia
- u) 800 W Power Supply
- v) QPI
- w) Window 7 Professional x64 Edition
- x) Standard ATX (11.6" x 9.6") Processor support

3- Cyber Forensic Analysis Tools

(1)

Main features of Cyber Forensic tool are as under:-

- Self Integrity Check
- Minimum system configuration check.
- Analysis FAT12, FAT16 and FAT32, NTFS and Linux EXT2FS file system evidence files.
- User login facilities.
- Creates log of each analysis session and Analyzing officer's details.

- Should have Inbuilt utility to acquire RAM evidence
- Should do image verification by cyclical redundancy checksum (CRC) and MD5
- Should have Inbuilt support for writing scripts & should contain pre-built scripts.
- Should Support more than 150 Filters and Conditions.
- Should support combining filters to create complex queries using simple "OR" "AND" logic.

- Should have Inbuilt Active Directory Information Extractor.
 - Should be able to automatically rebuild the structure of formatted NTFS and FAT volumes
 - Should support Recovery of deleted files/folders.
 - Should have inbuilt windows event log parser.
 - Should have Inbuilt Link file parser to search in unallocated space.
 - Should have Inbuilt support for Compound (e.g, zipped) document and file analysis.
 - Should support file signature analysis.
 - Should have native viewing support for ~400 file formats
 - Should have built-in registry viewer.
 - Should Meet the below mentioned criteria for searching:
 - Unicode index search-search extracted text of docs.
 - Binary search-search raw binary data
 - Proximity Search.
 - Internet and email search.
- a) Case Sensitive-GREP-Right to Left Reading.
- Active code Page: Keywords in many languages.
 - Big Endian / Little Endian, UTF-8/UTF-7
 - Search file slack and unallocated space
- b) Should Support Internet and Email Investigation for:
- Browser History Analysis.
 - Internet artifacts.
 - WEB History & Cache analysis.
 - HTML Carver.
 - HTML page reconstruction
 - Kazaa toolkit.
 - Instant Messenger toolkit – Microsoft® Internet Explorer, Mozilla Firefox, Opera and Apple Safari
- c) Should Include Email Support for:
- Outlook PSTs/OSTs(97-03)
 - Outlook Express DBXs.
 - Microsoft Exchange EDB Parser
 - Lotus Notes v6.0.3, v6.t.4 and
 - AOL 6.0,7.0,8.0 and 9.0 PFCs
 - Yahoo
 - Gmail, Hotmail.
 - Netscape mail.
 - MBOX archives
- a) Block by block data integrity verification while loading evidence file.
- b) Explore type view type view of contents of the whole evidence.
- c) Display of folders and with all attributes.
- d) Show/ hide system files.
- e) Text/Hex view of an image file.
- f) Picture view of an image file.

- g) Gallery view of image.
- h) Graphical representation of the following views of an evidence file.
 - o Disk view.
 - o Cluster View.
 - o Block view.
- Timeline view of.
 - o All files
 - o Delete file
 - o Time anomaly files
 - o Signature mismatched file.
 - o File created within a time frame.
- Single and multiple keyword search.
- Search with GREP expressions.
- Extraction of Disk partition, file MBR slack.
- Exclusive search in slack space.
- Data recovery from deleted files and slack space.
- Exporting files folder and content.
- Exporting folder structure including file names into a file.
- Exporting files on to an external viewer.
- Extraction on unallocated clusters and exclusion from search space.
- Extraction of lost cluster.
- Exclusive search in data extracted from lost clusters
- Exporting swap files
- Exclusive search in data extractor from swap files
- Files search based on extension
- Exclusion of system file from search space.
- Local and network preview of storage media.

4 . Forensic Investigation Software.

(1)

- a) Should support gallery view option to quickly reveal all photographers and graphic files stored on hard drives and other media.
- b) Should support timeline view option to provide an easily adjustable graphical colander like. Display for file activity of particular interest.
- c) Should contain full Unicode support to allow users to search text and fonts from any foreign country and in any language.
- d) Should support acquisition restart facility. Continue a window based acquisition from its point of interruption.
- e) Should have inbuilt linen utility to acquire evidence via boot disk.
- f) Should Include System Support for:
 - o Hardware and software RAIDs.
 - o Dynamic disk support for Windows 2000/XP/2003 server
 - o Interpret and analyze VMware, Microsoft Virtual PC, DD and Safe Back V2 image formats.
 - o File systems : Windows FAT12/16/32, NTFS; Macintosh HFS, HFS+; Sun solairs 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
 - o **Should support reporting facility with:**
 - o Listing of all files and folders in a case
 - o Detailed listing off all URLs and corresponding dates and times of web sites visited
 - o Document incident response report
 - o Log records
 - o Registry

- Detailed hard drive information about physical and logical partitions
- View data about the acquisition, drive geometry, folder structures and bookmarked files and images
- Export reports in RTF or HTML formats.

5. **Line Computer Investigation Software :- (2)**

- a) Should support Real-time investigations of live systems
- b) Should be capable of capturing running state (volatile data form Ram) of the target computer system
- c) Should be capable of capturing HDD of target computer remotely.
- d) Should be capable of displaying the information regarding running processes on target computer.
- e) Should be capable of displaying the registry of remote target computer with extensive search capabilities.
- f) Should have extensive tools for data sorting and analysis.
- g) Should support Scheduled data capture.
- h) Should have in-built file viewing capabilities.
- i) Should support organized reporting in clear, structured formats to increase investigator productivity.
- j) Should use Structured, documented processes adhering to digital forensics best practices.
- k) Should support data verification via MD5 hashing.
- l) Should maintain automated log for detailed audit trail.
- m) Should support capture of information from target machines on Intel® x86 architecture with Microsoft® Windows® Vista (32-bit versions), Mircosoft® Windows® Server 2003, Microsoft® Windows® XP Professional, Microsoft® Windows® 2000, Microsoft® Windows® NT4, Red Hat® Linux® 9 or compatible1, SuSe® Linux® Enterprise Server 8 or compatible and free BSD™ 4.10-RELEASE or compatible operating systems; on a SPARC™ architecture with the Sun™ Solaris™ 8 operating system; and on a PowerPC® architecture with the Mac OS® X operating system.
- n) Should support adding Annotations to mark specific findings during investigation.
- o) Should have the capability to search data in ACSII, Unicode UTF-8, UTF-16LE & UTF-16BE format from remote computers.

6. **Device for forensics extraction of data from SIM/Cell Phone GPS devices: (2)**

- a) Should provide an easy to use data extraction solution for mobile phones with more than 1700 handsets support including CDMA, GSM, TDMA, iDen cell phones, PDAs, Satellite phones and GPS devices.
- b) Should be able to display data while the extraction is happening in real time.
- c) Should be able to acquire data such as handset time & data, Phone book entries, Text messages, Serial number, Missed calls, Received calls, dialed calls, Calendar entries, Memos, To-do list, Pictures, Video & Audio files, Themes from handset and real deleted messages from SIM cards with MD5 digital signature.
- d) Should be able to identify phone via Graphics, Model, dimension and phone type (inbuilt camera, antenna etc.) based selection of mobile phones.
- e) Should have capability to download either entire or only selective data from mobile phone.
- f) Should have in-built SIM card reader, Bluetooth, infrared & USB ports.
- g) Should be able to connect to an examiner laptop and thumb drive via USB port.
- h) Should be able to automatically light up appropriate connector upon selection of suspect mobile device.
- i) Should have inbuilt rechargeable battery for extended mobility.
- j) Should be able to isolate mobile from the network through forensically cloned SIM card.
- k) Should be able to view the data in text & hex format.

- l) Should have comprehensive in –built search feature.
- m) Should be able to permanently wipe the captured data from the examiner laptop,

7. High End Radio Frequency Isolation Box (2)

- a) The device should protect mobile communication device from all possible GSM/CDMA/3G/TDMA radio frequency to protect the forensic integrity of the evidence.
- b) Should have Radio Frequency Absorbent foam liner.
- c) Should have Double-Lip Radio Frequency tight gasket
- d) Should have Easy release handles
- e) Should have gas filled cover strut
- f) Should have universal I/O panel
- g) Should be a tamper-proof hardware
- h) Should have Dual padlockable latches
- i) Should have Radio Frequency tight silver mesh gloves
- j) Should have Radio Frequency tight screen-vie window
- k) Should have Color video camera inside the box
- l) Should have video DVR system to record full data extraction process from communication device.
- m) Should have Inside Light Emitting Diode based Illumination system
- n) Should have Removable white colored MDF (Medium Density Fiberboard), Thick on top of floor absorber.

8. External write Blocking Kit : (2)

❖ Kit should have the following components:

- a) 1 xIDE +S-ATA Combo write protect Bridge
- b) 1 xSCSI write protect bridge
- c) 1 x USB write protect bridge
- d) 1 x SASA write protect bridge
- e) 2 x power supplies with power lead for main units
- f) Fire Wire cables+ USB cables+ all other necessary cables for IDE/SASA and SCSI
- g) 1 x SCSI 68 pin to 50 pin and SCA adapter
- h) 1 x2.5" Adapter laptop
- i) 1 x laptop 1.8" adapter
- j) 1 x laptop ZIF Adapter set for Hitachi and Toshiba HDD
- k) 1 x Micro SATA adapter
- l) Waterproof, dust proof pelican case (black)
- m) 1 x Disk Monitor software
- n) 1 x Compatible Disk imaging software

9. PORTABLE CYBER LABORATORY (2)

- a) Should have integrated disk duplication device which support forensic duplication of two suspect drives simultaneously.
- b) Should support DD and E01 duplication format
- c) Should support MD5, SHA1, SHA256, SHA512 Hashing
- d) Should support Image restoration of DD and E01 format to make a bootable disk
- e) Disk duplication device should allow examiner to preview the suspected drive in windows xp explorer in write protected mode
- f) Should allow the examiner to perform keyword search on suspected drive before duplication
- g) Disk duplication device should allow the examiner to wipe destination drives for duplication purpose
- h) It should have all cables and connectors for connecting IDE/SATA/SCSI/USB/SAS and laptop drives
- i) Should have a high-end laptop (Core i5, 4GB RAM, 500 GB HDD) to perform analysis in the field

- j) Should allow the examiner to acquire forensic images of live running systems and server independent of RAID configurations
- k) Should have power extension cord and Screw driver set along with a Digital Camera for working at crime scene
- l) It should also have a forensic SIM card acquisition and analysis tool to extract vital information from SIM card
- m) Should have disk forensic toolkit installed and configured on the laptop for performing forensic analysis of image in the held for deleted data, password protected data and misnamed files using by using over 45 Million Known File Hashs.
- n) The disk forensic toolkit should have built in data indexing and carving engine, password recovery suite (For 100+ applications) and registry viewer for examining system registry files.
- o) Should have a bundle of other utilities like Disk Wipe (GUI Based on installation required) uses several advanced shredding algorithms to securely wipe data. TS USB blocker (GUI based), Partition master (GUI based), Windows Auditing System, USB info extractor, Internet Cache Viewer, PC Activity viewer, Root kit Scanner etc.
- p) The whole solution should come in tough, airtight watertight ruggedized carrying case.

10 Instant Password Breaking Tables ; (1)

- **Password breaking Bundles**

A complete suite of password recovery tools that should allow unprotecting disks and systems and decrypting files and documents protected with popular applications. The bundle should also e compatible with Rainbow Tables for MS Excel and Thunder Tables for Adobe Acrobat (.PDF) and MS Word (.DOC) files

The bundle should have the following tools /capability:

- **OS Recovery**

- Should have Boot disk to change/reset logon passwords and accounts properties
- Should be capable to audit user-level security
- Should have the capability to analyze Windows PWL files, RAS/dial-up/VPN passwords, SYSKEY startup password , cached credentials, shared resources, CD keys, asterisk fields
- Should be capable to decrypt Encrypted File System.

- **Password Recovery Tools**

- Should have distributed recovery for lost or forgotten passwords of office documents, PGP, Adobe PDF and other files/passwords using local or global network with remote administration
- Should be able to recover passwords of Microsoft softwares such as Word, Excel, Access, outlook, Powerpoint, One Note, Project, Visio, VBA, Money, Mail, Schedule+, IE, Compression Utilities (archives): ZIP/PkZip/WindZip,RAR/WinRAR, ACEWinACE,ARJWinArj, Corel Word Perfect Office: WordPerfect, QuattroPro, Paradox; WordPerfect Lighting, Lotus SmartSuite (Organizer, WordPro, 1-2-3 and Approach, E-mail clients ,Microsoft Internet mail And New, Eudora, TheBat!, Netscape Navigator/Communicator mail, Pegasus mail, Calypso mail, Opera and others), instant Messengers (ICQ, ICQLite, Yahoo, AOL IM, Windows Live messenger, Google Talk, Excite Messenger, Trillian and many others), intuit Quicken, Quicken lawyer and QuickBooks, Adobe Acrobat (PDF) ACT! (Symantec / Best Software / Sage)
- Should support different Attack mechanisms such as Brute force attack, Dictionary attack and Rainbow table and Thunder table attack.

- **Password Breaker Tool**

- Should be able to break the password of up to 40 bit

- Should have the compact Rainbow Tables and breaking passwords.

11. Remote monitoring key logging system; (1)

Should record following type of activity

- a) Emails sent and received from web mail from my space. Yahoo hotmail AOL, outlook express and many other popular email Services.
- b) Both side of chat in instant message from AOL chat AIM Yahoo messenger my space Chat MSN messenger trillion skype Google talk meebo and several java or "lite" version chats.
- c) Keystrokes typed if any keystroke is typed. It could be a password for an email account, something written in a word document. ANYTHING that is typed.
- d) Record all websites visited. What web sites user go to and how long they were visiting it for.
- e) Whenever a program is run system should tell you how used it, what they were doing on it and how long they used the application.
- f) When a user at the monitored computer logs on or logs off, system should record the activity and include in scheduled activity report.
- g) Sends detailed reports of all internet and PC activity directly to email address assigned.
- h) The application should run in hidden mode and should not display in task manager.
- i) Should have facility of remote install.

12. Advance link Analysis and Network Visualization System:

- a) Should be able to find hidden patterns, relationships and trends in data.
- b) Should be able to perform ad-hoc analysis on the provided dataset.
- c) Should be able to visualize the data in 2D and D network link chart.
- d) Should support temporal, Social Network Analysis and Geospatial Analysis.
- e) Should Support keyword search with name disambiguation feature.
- f) Should Support multiple data types.
- g) Should support data import from various formats such as mdb,txt etc.
- h) Should support automatic identification of central players.
- i) Should work with virtually any type of data. i.e people organization, places, email addresses, cdr.etc.
- j) should include multi user support.
- k) Should be capable of building reports and presentations.
- l) Should be capable of exporting data in word excel pdf and web pages format.
- m) Should use MS SQL database as backend database.

13. E-Mail Database Analyzer: (1)

- a) Should be able to support most email formats including EDB, STM (Microsoft Exchange), PST, OST (Microsoft Outlook Storage files), MSG (Microsoft Outlook Single Mail Files), NSF (Lotus Notes/ Domino), DBx, MBX (Microsoft Outlook Express), MBOX (Standard Mailboxes), Group Wise (V 6.5.7), EML (Standard, Single Email per file, as used in Maildir format), EMLX (Apple MAC OS x Mail. app), BOX (Fox Mail), SML (Koomail), Hotmail and Yahoo ! Mail HTML (Scrapped from browser caches)
- b) Should be able to identify and recover permanently deleted (from selected email databases) & encrypted information from email database.
- c) Should be able to identify similar copies emails and attachments.
- d) Should be able to search through wildcard queries, fuzzy queries, Boolean operators, phrase queries, proximity queries and field specific queries.
- e) Should be able to directly read hard disks, network file shares and forensic images of both (e.g. Encase and raw dd images)
- f) Should be able to interrogate all metadata, text and the binary of documents to forensically identify relevant information.

- g) Should be able to process all languages and character sets including Hindi, Chinese, Korean, Japanese, Cyrillic and Arabic.
- h) Should be able to search specific email and attachment through file type filter, comments (entered by the reviewer), classifications (entered by the receiver), Communication data, lists of hash values, lists of key words and skin tone filtering of images to identify inappropriate images,
- i) Should be able to provide easy to understand graphical interface to view results showing clearly who communicated what, to whom and when.
- j) Should be able to provide a network view to know communications between sender and receiver.
- k) Should be able to provide full indexing information (e.g, word counting) of each word.
- l) Should be able to show each item (e.g. document/ email/ image/ Mpeg) in its native viewer.

14. Ethernet Gigabit Switch and patch panel: (1)

- b) MAC address Table Size 8K
- c) Switch Fabric- 48 GPS Forwarding Capacity
- d) Diagnostic LEDs per port: Activity/ Link Speed.
- e) Packet buffer memory- 500 KB Buffer Memory per device,
- f) It should be power efficient.
- g) QoS-802.1p
- h) RJ45-10/BASE-TX, and 1000 BASE-t
- i) **PATCH PANEL:** Should be fully compatible with Gigabit Ethernet
- j) **Networking of compatible using switch and patch panel (including use cat cable)**
- k) **External USB Hard Drive** of 1000 GB with minimum 3 years of warranty

15. UPS 5KVA (2)

- b) 5 KVA online UPS with 60 minutes backup
- c) POWER rating-5KVA
- d) Electrical Input-Single Phase 230 V AC, Input Range 160V to 290 VAC
- e) Electrical Output- 230 V AC, selectable (220,230,240 V)
- f) Input & Output Frequency Range- 46Hz~54Hz & 50Hz +/-0.2 Hz
- g) Backup Time- 30 minutes, minimum VAH required=4000VAH
- h) Battery- Sealed valve regulated Lead Acid(VRLA) battery , maintenance free with steel rack for battery housing
- i) Alarms- main fail, Low battery, Overload, Overheat
- j) Protection- Input Over/Under Voltage, Overload at the output, Battery Short circuit, Over Temperature

16. NETWORK PRINTER: (2)

- **PRINTER LASERJET BLACK(branded make)**
 - 8 MB MEMORY
 - Black (letter): upto 19 PPM
 - Black(A4): Upto 18 PPM
 - Input Capacities: 10-sheet priority feed slot, 150- sheet input tray, upto 160 sheets, upto 15 envelopes
 - Output Capacities: 100- sheets Face Down bin, 100 sheets, upto 15 envelopes, upto 100 sheets transparencies
 - Black(best):upto 600 x 600 x2 DPI (1200 DPI effective output);
 - Black (normal): Upto 400 x 600 x 2 DPI (600 DPI effective output);
 - First Page Out Black(letter, ready): As fast as 8.5 Sec, Hi-speed USB 2.0 port, Wi-Fi-802,11 b/g.

17 Color LASERJET (branded make) (2)

- b) RAM Memory Size: 96 MB
- c) Printer Resolution Horizontal in Black and White: 600 Dots per Inch

- d) **Printer Resolution Vertical in Black and White:** 600 Dots per Inch
- e) **Printer Resolution Horizontal Max in Color:** 600 Dots per Inch
- f) **Printer Resolution Vertical Max in color:** 600 Dots per Inch
- g) **Maximum print speed (Black and White):** 12
- h) **Maximum print speed (Color):** 8
- i) **Media Type:** Envelopes, Transparencies, Labels, Plain Paper, Glossy paper, Cards, Recycled paper
- j) **Maximum sheet capacity:**150
- k) **Width :** 15.7 inches
- l) **Printer interface:** USB, Ethernet 10/100 Base-TX

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For Director General of Police,
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