

ज्ञापांक.....4330...../आपूर्ति

95-1-4-2016

पुलिस महानिदेशक का कार्यालय, बिहार, पटना।

पटना,दिनांक-16/08/2016

सेवा में,

निदेशक,
सूचना एवं जनसम्पर्क विभाग,
बिहार, पटना।

विषय- निविदा आमंत्रण सूचना सं०-23/2016-17 (पी०आर० नं०-4225, दिनांक-19.07.16) को संशोधित करने की सूचना प्रकाशन करने के संबंध में।

निदेशानुसार उपर्युक्त विषय के संबंध में निविदा आमंत्रण सूचना सं०-23/2016-17 (पी०आर० नं०-4225, दिनांक-19.07.16) को संशोधित करने से संबंधित सूचना की पाँच प्रतियाँ (सी०डी० सहित) संलग्न करते 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 पी०आर०डी० वेबसाइट पर भी प्रसारित करने की कृपा की जाय।

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

अनु०-यथोपरि।

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पुलिस महानिरीक्षक के सहायक (क्यू०),
बिहार, पटना।

प्रतिलिपि:-

1. आई०टी० मैनेजर, पुलिस महानिदेशक का कार्यालय, बिहार, पटना को कृपया सूचनार्थ। कृपया इसे आज ही वेबसाइट पर अपलोड किया जाय।

शुद्धि-पत्र

बिहार पुलिस मुख्यालय, पटना के निविदा आमंत्रण सूचना सं०-23/2016-17 (Advertisement ID-4225, Dated-19-07-2016) के अन्तर्गत विभिन्न प्रकार के उपकरणों के क्रय हेतु प्रकाशित Specification को रद्द किया जाता है तथा उसके स्थान पर उपयोगी Specification प्रकाशित किया जाता है। तथा निविदा खुलने की तिथि को अवधि विस्तार देते हुए दिनांक-29/08/2016 की नई तिथि निर्धारित की जाती है। शेष यथावत रहेगा। प्रकाशित निविदा को इस हद तक संशोधित समझा जाय।

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पुलिस महानिरीक्षक के सहायक (क्यू),
बिहार, पटना।

Desktop specification (Branded)

1. Monitor- 20"
2. Processor- Core i5 Sixth Generation
3. Ram- 8gb (Upgradable to 16 gb)
4. Graphics -dedicated 2gb card
5. HDD – 1 TB
6. UPS – 650 va/offline, 50 minutes backup
7. LAN, WiFi, Keyboard, Mouse, HDMI Port
No Screen Touch,

Laptop Specification (Branded)

1. Screen – 15.6"
2. Processor – Core Core i5 Sixth Generation
3. Ram- 8gb (Upgradable to 16 gb)
4. Graphics - dedicated 2gb card
5. HDD – 1 TB
6. LAN, WiFi, HDMI Port

No Screen Touch,

Printer, Copier, Scanner

1. Printer, Scanner, Copier (Laser) for heavy duty.
2. One year warranty
3. Fast printing and copying
4. High-Quality laser output
5. Standalone Copying
6. Colour scanning
7. Automatic document feeder.

Technical Specifications for CDR Analysis Software

SL.No	Specifications
1	Data Normalization : 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	Various File Formats : 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	MS SQL
2.6	MS-Access(mdb, accdb)
3	Different Types of Files : 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	File Integrity : It should maintain the integrity of files imported using standard and accepted algorithms.
5	Single Window Data importing : 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	Direct import of attachments from mail box : 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.

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7	Dashboard : 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	Data Analysis : should be able to perform the following analysis
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	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:
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.

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9.19	Should be able to search for the given number and highlight the same.
9.2	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	IPDR Analysis : 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	GEO Analysis : 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	Quick Analysis
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	Behaviour Analysis : System should gauge any change in behaVIOUR of suspects between user defined time periods.
14	Intelligence Analysis : System should extract intelligence from huge volumes of data based on user defined criteria.
15	Search Features :
15.1	Search Out of Box: Users can search for suspect numbers in whole system.
15.2	Phonetic Search (for ex: saleem,salim,salem)
15.3	SDR Search by Names, Numbers, Address, DOA, Service Provider, State vice.
15.4	IMEI Search/IMSI Search

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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 (on 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	Multilingual User Interface should allow user to select their own preferred display language.

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23	SMS based information retrieval system
24	Android App based information retrieval system.

All software should have three years of amc and update packages.

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Mobile Phone Forensics Software

- The mobile phone forensics software should extract all the data from a phone. This data should includes deleted data, call history, contacts, text messages, multimedia messages, files, events, notes, passwords for wifi networks, reminders and application data from apps such as from Skype, Dropbox, Evernote, Facebook, WhatsApp, Viber and many others.
- Reports shpuld be prepared in PDF,XML, XLS, or HTML formats, or one can generate data exports compatible with other data analysis tools in cyber lab.
- It should have access to locked backups of a phone by using password and PIN breaker including of i phone.
- It should be capable of extracting multiple phones at the same time and generating multiple outputs for each one to speed up investigation process.
- It should be compatiable with Camera Ballistics - scientific image analysis.
- The software should support at least handsets including operating systems such as iOS, Android , Blackberry, Windows Phone, Windows Mobile, Bada, Symbian, Meego, Mediatek, Chinese phones, and CDMA phones.
- It should have connection Kit Accessories also for mobile phones.
- It should display GPS locations for all photos and messages in conversation view
- All hardware and software should have three years of amc and update packages.

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ANDROID RECOVERY SOFTWARE

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Should have Support for mobile phones and tablets having operating systems at least

Android	from Android 2.0 to Android 6.0 & above
iOS	iOS 9/8/7/6/5
Nokia (Symbian)	Symbian 40/60/^3 (Supported in using Phone Transfer)

Ways of Connection

Ways	Wi-Fi (For Android only) or USB cable (To use Data Recovery and Phone Transfer, you should use USB connection)
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**Supported Outlook/Outlook Express for Importing/Exporting Contacts
It should export and save contacts as a CSV file also.**

Outlook	Outlook 2003/2007/2010/2013
Outlook Express	Outlook Express/Windows Address Book (for XP OS), Windows Live Mail (for Vista OS)

Should have Support for at least following Audio/Video File Formats

Files	Input File Formats (to be supported by software)	File Formats (Supported by Android)	Output File Formats
Audio	AC3, APE, AIF, AIFF, AMR, AU, FLAC, M3U, MKA, MPA, MP2, WMA, AAC, M4A, MP3, OGG, WAV	M4A, MP3, OGG, WAV	MP3
Video	MPEG/MPG/DAT, AVI, MOV, ASF, WMV, MKV, FLV, MP4, 3GP	MP4, 3GP	MP4, MP3

- Android SD card data recovery
- Android data extraction from damaged device
- Android Screen lock removal
- Android rooting software.
- All hardware and software should have three years of amc and update packages.
- It should have connection Kit Accessories also for mobile phones.

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Write Blocker Forensics Bridge(Hardware)

- It should support write-blocked acquisitions of all types of storage media: IDE, SATA, SAS, USB 3.0/2.0/1.1, FireWire 400/800. Memory cards.
- It should be of any reputed company.
- It should consists of all types of cable for connecting storage devices.
- Three years AMC & Firmware updates.

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DIGITAL EVIDENCE ANALYSIS SOFTWARE

It should be capable of

- Find files faster, search by filename, size and time
- Search within file contents using the Zoom search engine
- Search through email archives from Outlook, Thunder Bird, Mozilla and more
- Recover and search deleted files
- Uncover recent activity of website visits, downloads and logins
- Collect detailed system information
- Password recovery from web browsers, decryption of office documents
- Discover and reveal hidden areas in your hard disk
- Browse Volume Shadow copies to see past versions of files Verify and match files with MD5, SHA-1 and SHA-256 hashes
- Find misnamed files where the contents don't match their extension
- Create and compare drive signatures to identify differences
- Timeline viewer provides a visual representation of system activity over time
- File viewer that can display streams, hex, text, images and meta data
- Email viewer that can display messages directly from the archive
- Registry viewer to allow easy access to Windows registry hive files
- File system browser for explorer-like navigation of supported file systems on physical drives, volumes and images
- Raw disk viewer to navigate and search through the raw disk bytes on physical drives, volumes and images
- Web browser to 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 browser to view the and analyze the contents of SQLite database files
- ESEDB viewer to view and analyze the contents of ESE DB (.edb) database files, a common storage format used by various Microsoft applications
- Prefetch viewer to identify the time and frequency of applications that been running on the system, and thus recorded by the O/S's Prefetcher
- Case management enables you to aggregate and organize results and case items
- HTML case reports provide a summary of all results and items you have associated with a case
- Centralized management of storage devices for convenient access across all OSForensics' functionality
- Drive imaging for creating/restoring an exact copy of a storage device
- Rebuild RAID arrays from individual disk images
- Installation on a USB flash drive for more portability
- Maintain a secure log of the exact activities carried out during the course of the investigation
- All hardware and software should have three years of umc and update packages.

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