

NATIONAL FORENSIC SCIENCES UNIVERSITY

Sector-9, Gandhinagar-382007

Phone - 079-23977123/24 & Fax-079-232 47465

**IMPORTANT INSTRUCTIONS / TERMS / CONDITIONS TO TENDERERS
FORMING PART & PARCEL OF ENQUIRY DOCUMENT:**

TENDER ENQUIRY No: NFSU/PUR/ET-01(72)/UPSIFS/2024-25

ITEM : 72 : SHOWN AS UNDER

TENDER FEE : **Rs. 1500/- (Rs. One Thousand Five Hundred Only)**

SERIAL # OF P.T.F. :

NAME & ADDRESS OF TENDERER : _____

: _____

: _____

C.S.P.O., REGISTRATION GROUP NO. :

THIS TENDER DOCUMENT COMPRISES OF TWO PARTS LABELLED AS PART I & II

THIS TENDER ENQUIRY IS FOR **FIXED QTY. PURCHASE** OF ITEM AS UNDER:

DETAIL SPECIFICATIONS ARE GIVEN IN PART-I i.e. TECHNICAL BID.

Sr. No.	ITEM CODE	ITEM NAME	QTY.	PLACE OF DELIVERY & INSTALLATION	E.M.D. (Rs.)
09	72	Forensically Sound Data Extraction Tool for MAC Devices	02	UPSIFS, Lucknow	90,000/-

NOTE:

- (1) **IF MANUFACTURER IS NOT AVAILABLE FOR IMPORTED COMPONENT (EQUIPMENT – MATERIALS) THEN THE REPUTED MANUFACTURERS / AUTHORIZED REPRESENTATIVE / DEALER APPOINTED EITHER BY PARENT COMPANY OR ITS SUBSIDIARY COMPANY SHALL BE ALLOWED TO QUOTE THE TENDER.**
- (2) **THE TENDERER HAS TO SUBMIT ALL THE REQUIRED DETAILS / DOCUMENTS WITH THE TENDER. NO COMPLIANCE WILL BE ACCEPTED AND CONSIDERED AFTER DUE DATE I.E OPENING OF THE TECHNICAL BID.**
- (3) **ANNUAL MAINTENANCE CONTRACT (A.M.C.) & COMPREHENSIVE MAINTENANCE CONTRACT (C.M.C.) CHARGES FOR NEXT FIVE YEARS AFTER WARRANTY SHOULD BE QUOTED SEPARATELY. AMC/CMC CHARGES WILL NOT BE TAKEN INTO ACCOUNT FOR PRICE COMPARISION FOR DETERMINING THE LOWEST BIDDER.**

SIGNATURE & STAMP OF TENDERER

PART-I

TECHNICAL BID

T.E.NO: NFSU/PUR/ET-01(72)/UPSIFS/2024-25

Name of Item: Forensically Sound Data Extraction Tool for MAC Devices

Manufacture _____ Brand _____ Model _____

[A]	REQUIRED SPECIFICATIONS	SPECIFICATIONS AVAILABLE IN OFFERED MODEL
	A. Imaging and triage Tool	
	4-in-1 solution for live data acquisition, preview, targeted data collection, and forensic imaging of both Mac and Windows systems	
	Product should have the ability to deploy forensic analysis software on both Windows and Mac workstations	
	Product must run on live Windows computers with 64-bit hardware running Windows 10, version 1909 and newer.	
	It must forensically boot Windows computers running Windows 10 and also start some older Windows operating systems.	
	Product must be able to conduct acquisition on large range of macOS devices which include latest and over 185 different laptops and desktop models with HFS+, APFS, CoreStorage, FileVault, T2 and Fusion drives	
	Product should be able to create images of M1 computers running macOS Big Sur 11 and macOS Monterey 12, either running live or starting (booting) from the product	
	It must have ability to start (boot) Mac M1, M2, and T2 computers running macOS Ventura13.3	
	Product should reliably boot the greatest variety of macOS computers for forensic imaging, including Apple’s latest hardware and operating systems via the USB dongle	
	Ability to browse file system, review file content and collect data in both live mode and booted mode	
	Product must be able to conduct on-scene triage, live data acquisition, targeted data collection and forensic imaging	
	Product must be able to acquire full disk forensics images or collect just specific user files	
	Product must be able to capture important live data such as Internet, chat, and multimedia files in real time. It should have the capability to selectively acquire email, chat, address book, Calendar, and other data on a per-user, per-volume basis	
	Product should be able to conduct selectively acquire data on a per-user, per volume basis	
	Should have ability to soundly acquire and save volatile macOS Random Access Memory (RAM) contents to extract passwords and other live artifacts to a destination device	
	Able to create physical decrypted images of Apple’s M1 and T2 chip systems, including unallocated	
	Able to create physical image of Mojave Fusion drives	
	Product should be able to create images of selected files to a folder or a logical evidence format (L01)	
	Product must be able to authenticate collected data using all MD5, SHA-1 or SHA-256 hash functions	
	Product must be able to have a decryption method support for T2 password or recovery key	

	Product must be able to have a decryption method support for file vault and core storage keychain, password or recovery key	
	Product must be able to write to evidence storage on the following file system: HFS+, APFS, ExFat or NTFS	
	Product must be able to format evidence storage on site using built in tools	
	Product must have a browser view to preview file content prior to acquisition	
	Product must be able to do a search view to locate using filters or keyword before acquisition and filter by metadata	
	Product must be able to add files and folder to data collection when data is being triaged via browser and search	
	Product must be able to have 26 unique system data, collection options from Live RAM, including active system processes, current system state and print queue status	
	Product must be able to produce extensively log data acquisition information throughout the collection	
	Product must have a built-in tool to manage evidence storage and support storage on all major file systems.	
	Product must be able to boot the Mac and Windows systems via a USB dongle	
	B. Analysis Tool	
	Product should be able to give analysis platform to review computer forensic extractions to provide actionable intelligence from both Windows and Mac systems.	
	Product should run on Windows or Mac forensic workstations.	
	Product must be able to conduct search, filtering, and sifting through large data sets with simple or complex group filtering.	
	The filter criteria should include file name, file kind, file size, file extension, date created, date modified, date accessed, picture metadata attributes, including GPS coordinates and camera (iPhone/iPad device) type	
	Positive and negative hash set filtering	
	Product must be able to support Windows artifacts such as device history from Microsoft Volume shadow copies, windows registry and Windows memory	
	Product should be able to automatically parse account information, web history, downloads and Windows 10 activity	
	Product should have support for different Windows OS artifact like jump list, shell bags, prefetch, volume shadow copies, link files, event logs, superfetch, recycle bin, user info, connected devices, last executed, NTFS ACL, file downloads, recent items, memory analysis, new Window activity, srum, notifications, Registry: amcache, bam, comdlg32, muicache, recentapps, shimcache.	
	Product must be able to support all macOS systems from Hierarchical File System (HFS) with File Vault or Core storage to APFS with T2 chips or fusion drives.	
	Product should be able to conduct review on device history from Apple File System (APFS) snapshots and Time Machine backups	
	Product must support E01, EX01, L01, RAW, DD, DMG and AFF4, AFF4-L file format	
	Product should be able to display and search Unified logs, spotlight and built-in APOLLO support for Mac systems	
	Identify and categorize images recovered by an IEF search with built-in picture and analysis tools: Refine results using skin tone filters, View PhotoDNA,, MD5 and SHA-1 hashes for recovered files, View PhotoDNA, MD5 and SHA-1 hashes for recovered files, Import hash	

	values from Project Vic or custom hash databases to quickly identify and categorize illicit images	
	Product should be able to review health data, wallet transactions and calendar activity	
	Product should have powerful activity correlation for Windows and show how an artifact came to be and how it relates to other artifacts.	
	Product support smart indexing and image categorization such as Porn, Weapons, Drugs, Extremism, Gore, Alcohol, Swim/Underwear, Documents, ID, Currency, CSAM, Chat, and Vehicles.	
	Product should provide support to see a full log of calls, voicemail, social media activity, and more. Most importantly, examiners can view messaging threads in list view or in their native format, with support for data from:	
	o Text Services (SMS/MMS, iMessage)	
	o Messaging Apps (Skype, Kik, TextPlus, TextFree, Tango, WhatsApp, Viber)	
	o Social Media (Facebook, Twitter, LinkedIn)	
	Product should support advanced timeline capabilities to allow the user to narrow activity and artifacts to a specific time frame.	
	Product should support extraction of text from documents, pictures and PDF using built in Optical Character Recognition (OCR).	
	Product must have a function that allow users to quickly look at artifacts such as multimedia, download information and relevant data from multiple location from multiple devices	
	Product must be able to extract and view geolocation information and displayed in the tool off-line or export to view it on Google Earth	
	Product must be able to link with child exploitation database and must be able to integrate with Project Vic and Semantics 21	
	It must be able to support ingestion of Berla vehicle forensic extractions for analysis	
	Must have the capability to share access to case data for offline review for both Windows and Mac systems:	
	o Create logical evidence files, including only the data selected for sharing	
	o Portable case file with case data, which can be exported along with a reader application for review of the case file	
	Export reports in a variety of formats including HTML, PDF, RTF, Excel and tab-delimited formats. Concordance/Load files support	
	It must have the ability to generate reports in CSV format to allow examiners to review data in external programs and also ability to export case data as XML for import into various analytic tools	
	It should have hash set support to include capability to identify 'Known' and 'Trusted' items from hashsets.com, for the latest Mac and Windows Operating Systems	

[B]	IMPORTANT TERMS AND CONDITION FOR SUPPLY
	<p>1. Delivery : The Director Uttar Pradesh State Institute of Forensic Science, Piparsand, Sarojini Nagar, Kanpur Road, Lucknow- 226008</p>
	<p>2. <u>Installation/Inspection:</u> Uttar Pradesh State Institute of Forensic Science, Lucknow</p>
	<p>3. <u>Payment:</u> By NFSU Gandhinagar Campus</p>

