

GUJARAT TECHNOLOGICAL UNIVERSITY

(Established Under Gujarat Act. No. 20 of 2007)



Short E-Tender No.26/2023-24 for PURCHASE OF VARIOUS SOFTWARE AND HARDWARE PRODUCT-GSET

Gujarat Technological University

**Nr.Vishwakarma Government Engineering College, Nr.Visat Three Roads, Visat -
Gandhinagar Highway, Chandkheda, Ahmedabad – 382424 - Gujarat**

Phone: 079- 23267540/535/628 Fax: 079-23267580

E-mail: purchase@gtu.edu.in

Visit us: <http://www.gtu.ac.in>

PART-I

Sr.No.	Name of Item/Software/Hardware	Technical Specification	Estimated Cost (Including GST)	EMD* (₹)	Tender Fees (₹) (including GST) *
1	UFED 4PC WITH CHINEX AND UFED CLOUD	Annexure-I	40,00,000/-	1,20,000/-	Rs.2950/- (non-refundable)
2	Opentext Encase Forensics Latest edition Licence 3 years	Annexure-II	18,00,000/-	54,000/-	
3	Access data Forensic Tool (FTK)	Annexure-III	10,00,000/-	30,000/-	

Bidder can download the Bid Document from n-procure website	From 07/02/2024 (04: 00 PM) onwards
Last Date & Time of Online Submission of Financial Bid	16/02/2024 (06: 00 PM)
Last Date of Physical Submission of Tender at GTU, Chandkheda through Speed Post/Reg. A. D. only	19/02/2024 (06: 00 PM)
Date of Opening of Tender (Technical Bid only)	Will be communicated afterwards
Date of Opening of Commercial Bid	Will be communicated afterwards
Tender shall be valid up to	180 days
Place of Opening of Tenders	GTU, Chandkheda, Ahmedabad
Address for Communication	C-103, Purchase Department Gujarat Technological University, Nr. VGEC, Visat – Gandhinagar Highway, Chandkheda, Ahmedabad – 382424, Gujarat
Phone Number	(079) 23267540/535/628
Email	purchase@gtu.edu.in

- Intending tenderers or their authorized representatives will be at liberty to be present at the time of opening of Technical bid/Commercial bid.

The tender fee is non-refundable, non-adjustable and non-transferable. While, EMD is refundable. Both should be payable through a demand draft drawn in favour of the “**Gujarat Technological University**” payable at Ahmedabad, Gujarat.

From:

**Registrar
Gujarat Technological University
Chandkheda,
Ahmedabad-382424**

To:

Dear Sir/Madam,

GTU has been established by Government of Gujarat vide Gujarat Act 20/2007. GTU is an affiliating University and its jurisdiction is whole state of Gujarat. GTU is accredited with A+ Grade by NAAC. All the colleges or institution imparting education in engineering, technology, pharmacy, MCA and management in the state of Gujarat are affiliated with the GTU. At present approximately 480 colleges/institutions across the state of Gujarat and U.T. are affiliated with GTU. GTU conducts various examinations i.e. BE/B.Arch/B.Pharm/ME/MPharm/MBA/MCA/Diploma etc. The University is presently functioning from Ahmedabad.

Gujarat Technological University invites e-Tender from reputed/experienced/technically sound bidder for procurement of SOFTWARE & HARDWARE PRODUCT FOR GSET. Please refer to the below mentioned information and guidelines for submission of the tender.

Interested parties/firms who wish to participate in tenders can submit filled in tender in all respect i.e. EMD, Tender Fee, and other essential documents for quoted service as per the Schedule mentioned in this Tender to The Registrar, Gujarat Technological University, Near Vishwakarma Government Engineering College, Visat – Gandhinagar Highway, Chandkheda, Ahmedabad - 382424, Gujarat, India through **Speed Post/Reg. A. D only**. The corresponding sealed envelope should be titled as “**E-Tender No.26/2023-24** for PURCHASE OF VARIOUS SOFTWARE AND HARDWARE PRODUCT-GSET and the bid must reach on or before the last date & time as per the schedule mentioned in this Tender. **Bids received or submitted after the specified last date & time of receipt will be rejected and no intimation will be sent in this regard.**

I have read and understood all terms and conditions and implications thereon of the tender document and accept it.

Sign and Seal of Bidder

The successful bidder will have to enter into the contract (with standard terms and conditions of providing services). The tender shall be submitted in two parts: (a) E.M.D. and Tender Fee Cover, (b) Technical Bid Cover. Both this covers should be put inside another sealed cover. **Tenderer has to submit commercial bid online only. Physical submission of Commercial Bid will not be accepted.**

- 1) Technical bid shall consist of technical details. The tender form shall be submitted with this bid duly signed on each page by the bidder. Each document/ page should be given page number and all documents/ pages should be hard bound.
- 2) First of all only technical bids shall be opened. Only technically qualified bidder's commercial/financial bids shall be taken into consideration.
- 3) Tenders not complying with the above conditions are liable to be rejected at the sole discretion of the University. This tender is not transferable.
- 4) The offers shall be entertained only from the original firm/company, consortium will not be allowed.
- 5) The University reserves the right to accept or reject, any or all requests/offers, and also reserves the right at any stage to reduce or increase the number of quantity without assigning any reason.
- 6) The bidder must supply their List of Clients along with their contact numbers of their services in India.

Registrar

I have read and understood all terms and conditions and implications thereon of the tender document and accept it.

Sign and Seal of Bidder

TENDER DOCUMENT

(To be returned with the tender duly signed and stamped by tenderer)

Note: Please fill all the details in tender document and submit with technical bid.

To,

The Registrar,

Gujarat Technological University

Chandkheda, Ahmedabad, Gujarat, India

Ref: Tender No.

Dated.....

Dear Sir,

1. I/We hereby offer to provide Services of “_____” detailed in the Schedule to Tender here to or such portion thereof as you may specify in the Acceptance of Tender at the price given in financial/commercial bid and agree to hold this offer open till **180** days of opening the tender.
2. I/We have understood the general & special conditions of contract included in this tender notice and thoroughly examined the specifications, drawings, and/or patterns quoted in the Schedule hereto and am/are fully aware of the nature of the items/service required and my/our offer is to provide services strictly in accordance with the requirements.
3. The following pages have been added to form part of this tender:

Envelope- A contains E.M.D. and Tender Fee Cover

Envelope- B contains Technical Bid Cover comprising of following:

- a. Details of Tenderer in prescribed Format (Annexure-2).
- b. Declaration on Rs.300/- Stamp Paper regarding Truthfulness and correctness of Documents and not blacklisted by any organization (Annexure - 3).
- c. Turnover certificate (Annexure - 4).
- d. Copy of PAN Card
- e. Copy of GST Registration
- f. Copies of work experience Certificates/purchase order of same hardware & software etc.

I have read and understood all terms and conditions and implications thereon of the tender document and accept it.

Sign and Seal of Bidder

- g. The list of Clients with addresses and contact details, etc.
- h. List of Equipment's with our Organization
- i. The technical Brochures/literature of the item. Service quoted, if any.
- j. Any other Please specify.....

I/We hereby declare that the services offered to the University under this contract shall be of the best quality and workmanship and shall be strictly in accordance with the requirement thereof. I/We hereby guarantee that the said service would continue to conform to the description, quality and requirements mentioned in this tender document and that notwithstanding the fact that the competent authority of Gujarat Technological University may have inspect, if during the aforesaid period the said services are discovered not to conform to the description, requirement and quality aforesaid or have deteriorate, the decision of the competent authority in that behalf will be final and conclusive. The University will be entitled to reject the said services. We do hereby also agree to provide said services at the campus of Gujarat Technological University and its PG School, GPERI, Zonal offices and affiliated exam centers/colleges.

Signature of Tenderer

Date:

Name & Address:

Signature of Witnesses

Date:

Name & Address:

Seal

I have read and understood all terms and conditions and implications thereon of the tender document and accept it.

Sign and Seal of Bidder

A. Eligibility [Technical Eligibility Criteria for Tenderer]

1. Tender Fee & EMD Demand Draft.
2. The bidder should be a Public Ltd. Co./Govt./PSU/Pvt. Ltd. Co./Proprietorship/ Partnership Firm/Society registered in India and having its operation for minimum two years in India.
3. The turnover of the bidding firms for any one of the last 2 financial years should be at least 100% of the estimated total cost of the items. The bidder should submit the certificate from Chartered Accountant regarding the same. [As per Annexure 4].
4. Bidder should submit declaration on Rs.300/- Stamp Paper stating that his/her firm is not blacklisted by any Government organization/institution. [Annexure 3]
5. The bidder should be registered with appropriate tax authorities such as GST, Income tax, etc. and should submit valid certificates of registration with these authorities.
6. Certificate of Authorized dealers/Authorized Developer/ Authorized Reseller/ Dealer of overseas companies.
7. Clients list of Company/ Dealer and total experience in this field.
8. Tenderer should furnish complete details of the latest technology available with full documentation & descriptive literature and point out any special features of their product.
9. Tender shall furnish details of the Back-Up engineering and system support that will be made available to Gujarat Technological University by the Manufacturers/Authorized Reseller/Authorized Dealers of Manufactures/or Authorized Suppliers.

B. Security Deposit

1. Security Deposit: Within 10 days of receipt of the acceptance letter, the successful bidder shall submit Security Deposit of Five Percentage (5%) of the Estimated Tender Value in the form of demand draft drawn on any nationalized bank payable at Ahmedabad to the Gujarat Technological University. This is applicable to a successful bidder. The Security Deposit shall be denominated in Indian Rupees.
2. EMD will be returned back to the successful bidder only after it furnishes Security Deposit.
3. The GTU shall forfeit the security Deposit submitted by the bidder, if the successful bidder abandons the contract or without reasonable excuse has failed to commence the work or has suspended the work, or in case the successful bidder does not execute the work in accordance with the terms and conditions of the contract or is persistently neglecting to carry out his obligations under the contract. The GTU also shall have the right to recover from the security deposit any amount that may be found due and payable by the successful bidder or recoverable by GTU from the successful bidder, under any head viz. Penalty, Fine, Liquidated damages, Deposits, etc.

C. Dispute

1. If any dispute arises about the interpretation of any condition, the decision of the GTU shall be final. For settlement of dispute if any, jurisdiction of court shall be Ahmedabad.
2. In case of dispute between GTU and the successful bidder both shall make every effort to resolve amicably by direct informal negotiation for any disagreement or dispute arising between them under or in connection with the contract.

I have read and understood all terms and conditions and implications thereon of the tender document and accept it.

Sign and Seal of Bidder

D. Payment

No advance payment will be made for the work allotted. The terms and conditions of the payment are as follows:

1. Price of the offered item can be quoted in Indian currency. Fund transfer will be made through RTGS/online transfer only and not by any other mode.
2. The 100% of the unit cost item will be paid against delivery of the goods received in good conditions and after satisfactory installation & training at GTU-GSET, Academic Block 5, Chandkheda campus, Ahmedabad-382424 Gujarat. India.

E. Penalty

1. On the breach of any terms or conditions of the tender document by the successful bidder / successful bidder and in case of deficiency in the service provided by the services provider then penalty will be imposed by the University. Any decision taken by the University in this regard shall be binding to the successful bidder.
2. Legal action including Black listing will be taken against the agency in case of gross negligence and breach of secrecy/confidentiality.
3. If even after award of contract, information/facts submitted by the bidders are found misleading/incorrect/false etc., university reserves the right to terminate contract and blacklisting the bidder.
4. If the Seller/ successful bidder fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the tender/contract, the Buyer will be entitled to deduct/recover Liquidated Damages for the delay, @ 0.5% of the contract value of delayed quantity per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value of delayed quantity without any controversy/dispute of any sort whatsoever.

F. TERMINATION FOR DEFAULT

The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default, sent to the supplier, terminate this contract in whole or in part if, the supplier fails to deliver any or all the goods/items within the time period(s) specified in the tender/work order/agreement., or any extension thereof granted by the purchaser or the supplier fails to perform any other obligations under the Contract.

G. SELECTION PROCESS

- 1 Tender Fee & EMD Demand Draft
2. Bidders who qualify as per Technical Eligibility Criteria will be considered/declared technically qualified
3. Financial bids of technically qualified bidders will be opened and L1 bidder will be declared as successful bidder. University may negotiate with Successful bidder if deemed necessary.

I have read and understood all terms and conditions and implications thereon of the tender document and accept it.

Sign and Seal of Bidder

GENERAL TERMS & CONDITIONS:-**Definitions:**

- a) University:- Gujarat Technological University, Gujarat (in short GTU)
- b) Tenderer/ Bidder: - Tenderer/ Bidder is who has participated in tender process.
- c) Tax: - GST, TDS etc.

1. **Tenderer has to submit commercial bid online only. Physical submission of Commercial Bid will not be accepted.**
2. This tender is not transferable.
3. The Bid will be evaluated based on satisfying terms and conditions, technical criteria and the financial criteria.
4. The tender should be submitted in two Envelopes-A & B. Envelope-A will contain EMD & Tender Fee and Envelope-B will contain Technical Bid. Both this covers should be packed inside one another sealed cover super scribed as “E-Tender for purchase of various Hardware & software for GSET”. Bid without Tender fee & EMD will be rejected. Eligibility will be treated on EMD, Tender fee & technical bid. Technical bid will be opened first and evaluation will be done as per technical requirements and conditions and those who fulfill the technical requirements, their financial bids will only be opened. Bidders will upload main documents online and all documents should be submitted physically in **Hard Bound Spiral binder** only with page numbers mentioned on it. Only Physical documents will be considered for evaluation.
5. Bidder should submit declaration on Rs. 300/- Stamp Paper stating that the firm is not blacklisted by any Government organization/institution [**As per Annexure – 3**].
6. E.M.D will be forfeited if the tenderer refuses to provide the services after issuance of acceptance letter. The Earnest Money Deposit paid by the unsuccessful tenderer will be refunded to the respective parties after finalization of the tenders. No interest shall be paid on the E.M.D.
7. The Successful tenderer is required to enter into an Agreement on a Stamp paper worth Rs.300/- with the University, binding them to provide the services as required by the University against the order placed by the University.
8. The tenderer shall keep their offer open valid for acceptance for a period of 180 days from the date of opening of the tender(s) within which period tenderers will not withdraw their offer.
9. The Tenderer shall read carefully all the instructions /Terms and Conditions etc. before submitting the bid.
10. Tender submitted in part, unsigned, incomplete, unclear, and unreadable will not be considered and will be rejected.
11. The technical evaluation committee may call the responsive bidders, if required for discussion or presentation to facilitate and assess their understanding of the scope of work and its execution.
12. Gujarat Technological University may, anytime, revoke or cancel the contract placed with the agency, without assigning any reason there-of.

I have read and understood all terms and conditions and implications thereon of the tender document and accept it.

Sign and Seal of Bidder

13. In the event of any breach of the terms and conditions of the contract, the Gujarat Technological University may terminate the contract placed with the agency, forfeit the security deposit of the agency, black list the agency and make alternative arrangements at the risk and cost of the agency.
14. If any of the criteria mentioned in this tender document is not met, the University reserves the right to reject the bidder on the grounds of technical disqualification.
15. Gujarat Technological University reserves every rights to cancel the tender in whole or in part.
16. Successful bidder should work as per the requirements/deadlines given by the University, time-to-time.
17. The bidder shall be responsible to provide services ('s) and its successful demonstration, as per specifications listed in the tender.
18. Gujarat Technological University does not bind itself to accept the lowest bid and reserves the right of accepting the whole or any part of the bid or portion of the quantity offered; and the bidder shall provide the same at the rate quoted. The Registrar on behalf of GTU reserves the right to reject any or all offers received in response to e-tender or cancel or withdraw the tender notice without assigning any reason, whatsoever.
19. Acceptance of the bid shall be communicated through email to the successful bidder.
20. All Bidders should give a warranty declaration in their bid as mentioned below:
 - We shall abide by all the terms and conditions listed in this tender document.
 - If the said work will be awarded to our agency than services to be provided by our agency shall be of the highest quality, and services of the type ordered shall be in full conformity with the specifications therein.
 - We accept that any deviations in the items/services from that specified in the tender document and the accepted terms are liable to be rejected. We will be bound to provide all items/services as per the specifications mentioned in the tender/order/contract and demonstrate the same at our own cost.
21. University reserves its right to visit the office of agency at any time.
22. Presentation of all the technically qualified bidders, if required may be arranged by the University. If arranged, the schedule regarding the same will be informed to the concerned by the University.
23. The Gujarat Technological University does not pledge itself to accept the lowest or any tender.
24. The supplier shall ensure compliance of all statutory laws and by laws of the Central Govt./ State Govt./Municipal authorities related to the employment of their staff and all such obligation under Wage Act, pollution control, environment protection, Workmen Compensation Act, ES-II Act, Provident Fund and Miscellaneous Provisions Act, Bonus Act, and Contract Labour Act, 1970 etc. and the University will not be responsible for such purposes in any way.

I have read and understood all terms and conditions and implications thereon of the tender document and accept it.

Sign and Seal of Bidder

ANNEXURE – 1**Page No. should be given to entire set of signed Tender and documents [Hard bounded only].****CHECKLIST ALONG WITH PAGE NO.**

Sr. No.	Particulars	Page no.
1	Details of EMD and Tender Fee in terms of Demand Draft	
2	Bidder should be a Public Ltd. Co./ Govt./PSU/Pvt. Ltd. Co./Proprietary/ Partnership Firm/Society registered in India and having its operation for minimum two years in India. Certificate/Proof regarding the same should be attached.	
3	The turnover of the bidding firms for any one of the last 2 financial years should be at least 100% of the estimated total cost of the items. The bidder should submit the certificate from Chartered Accountant regarding the same. (Annexure 4).	
4	Copies of work experience Certificates	
5	Certificates of registration with GST, PAN, etc	
6	Details of Tenderer in prescribed Format (Annexure-2).	
7	Declaration on Rs. 300/- Stamp Paper regarding Truthfulness and correctness of Documents and not blacklisted by any organization (Annexure - 3)	
8	Tender Acceptance Letter (Annexure - 5)	
9	Certificate of Authorized dealers/Authorized Developer/ Authorized Reseller/ Dealer of overseas companies.	
10	Clients list of Company/ Dealer and total experience in this field.	
11	Tenderer should furnish complete details of the latest technology available with full documentation & descriptive literature and point out any special features of their product.	
12	Tender shall furnish details of the Back-Up engineering and system support that will be made available to Gujarat Technological University by the Manufacturers/Authorized Reseller/Authorized Dealers of Manufactures/or Authorized Suppliers.	
13	Tender form duly signed by tenderer	
14	Any other Please specify	

Name & Signature: _____

Designation: _____

Seal

I have read and understood all terms and conditions and implications thereon of the tender document and accept it.

Sign and Seal of Bidder

Annexure – 2 (Details of Tenderer)

1. Name of the Bidder :
2. Registered Office :
3. Working Place of the Firm :
4. Year of Establishment :
5. Type of Firm (Ownership, Partnership, Pvt. Ltd., Ltd. Co., etc.) :
6. Name, Address and telephone number of Responsible person:
 Phone: (O) : (R) :
 (M) : E-mail address:
7. Total Annual Turnover for Last Three Financial Years (Enclose Certificate from C.A. as per Annexure 4):

Year	Rs. (In figures)	Rs. (In words)
2022-23	Rs.	Rs.
2021-22	Rs.	Rs.
2020-21	Rs.	Rs.

8. Total Building Area of Workspace/Office:
(Proof of ownership/lease agreement to be attached)
9. Total number of Staff:
 (a) Technically Skilled _____
 (b) Administrative _____
 (c) Semi-skilled _____
 (d) Security Staff _____
10. Whether your Workspace/ Office is having own Security Arrangements?
 If Yes, of what Type? Please give details :
11. Permanent Account No. (Enclose Certified PAN CARD) :

I have read and understood all terms and conditions and implications thereon of the tender document and accept it.

Sign and Seal of Bidder

Annexure – 3 (Declaration on Rs. 300/- Stamp Paper)

Undertaking by the Bidder

I,(Name of Bidder/ Authorized person), Aged aboutyears, working at..... (Postal Address) do hereby swear this affidavit that, I am the proprietor/Partner of/Director of(Name of company/ firm) Registered at(Regd. Address)

I do hereby swear that, the bid documents submitted for the work of(name of the work) are true, correct and complete. I/My agency am/is not blacklisted by any organization in India from participating in any project/s, either individually or as member of a consortium/Joint Venture/Subsiding. There have been no criminal proceedings / conviction against the bidder at any point of time. In case the documents pertaining to the bid submitted by me are found to be incorrect or false, I shall be liable for action under the relevant provision of Indian Penal Code and other relevant laws.

I further undertake that if above declaration proves to be wrong/incorrect or misleading, bid/contract stands to be cancelled/terminated immediately.

If work is allocated to our company/firm than utmost care will be taken and if we fail in any part than GTU can demand for financial loss, impose penalty, forfeiture of Security Deposit and also can take legal action against our company/firm.

We are not involved in any litigation that may have an impact of affecting or compromising the delivery of services as required under this assignment. I/We am/are not a relative/blood relation of any key managerial person of GTU, Ahmedabad. We are not a firm in which any key personnel of GTU, Ahmedabad or his/her relative is a partner. I/We am/are not a partner in a firm in which any key managerial person of GTU, Ahmedabad or his/her relative is a partner.

We further confirm that we are aware that our Gujarat Technological Universities bid with reference(Bid number with subject) would be liable for rejection or any appropriate action as GTU may deem fit, in case any material misrepresentation is made or discovered with regard to the requirements of bid mentioned above during stage of short-listing/selection process.

Signature:

Name:

Business Address:

Place:

Date:

I have read and understood all terms and conditions and implications thereon of the tender document and accept it.

Sign and Seal of Bidder

Annexure – 4**Turnover Certificate**

Date: DD/MM/YYYY

(On the Letter Head of CA)

This is to certify that M/s _____ (PAN: _____) registered at _____ has achieved following **total turnover** during the financial year 2022-23, 2021-22 and 2020-21.

Sr. No.	Financial Year	Total Turnover (In Rs.)
1	2022-23	
2	2021-22	
3	2020-21	

This certificate has been issued on the basis of documents and records provided to us.

Place:-

Date:- DD/MM/YYYY

Seal and Signature of CA with stamp.

UDIN:.....

I have read and understood all terms and conditions and implications thereon of the tender document and accept it.

Sign and Seal of Bidder

Annexure – 5**TENDER ACCEPTANCE LETTER**

(To be given on Company Letter Head)

Date:

To,

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Item/Equipment / Work: _____

Dear Sir,

I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the website(s) namely: _____ as per your advertisement, given in the above mentioned website(s).

I / We hereby certify that I / we have read the entire terms and conditions of the tender documents (including all documents like annexure(s), schedule(s), etc...), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

The corrigendum(s) issued from time to time by your department/ organisations too have also been taken into consideration, while submitting this acceptance letter.

I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking/Govt. Autonomous organisations.

I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore can summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,**(Signature of the Bidder, with Official Seal)**

I have read and understood all terms and conditions and implications thereon of the tender document and accept it.

Sign and Seal of Bidder

PART-II**SCOPE OF THE WORK (Technical Bid)****(Technical Specification)****Annexure-I****Item Name: UFED 4PC WITH CHINEX AND UFED CLOUD**

S/N	TITLE	DETAILS
1.	Scope	Supply of Mobile Phone Forensic Solution
2.	Specifications	The Mobile phone forensic solution should provide the below capabilities:
	Extraction Capabilities	<ul style="list-style-type: none"> • Generic Features: • The solution should be able to capture critical forensic evidence from mobile devices including mobile phones, handheld tablets, portable GPS devices, drones and devices manufactured with Chinese chipsets. • It should provide users with all physical, file system and advanced logical extraction capabilities for different devices and different Operating Systems as well as allow extraction of Cloud Data source tokens accessed by the Mobile Phone. • It should support more than 32,000 device profiles and 12,400 different mobile application versions. All the supported mobile device models and device profiles must be tested and verified by the OEM's R&D Team. • The solution should be able to integrate with a central management platform that can oversee usage, permissions, SOPs, configurations, licensing, and SW updates. • The extraction software should be touch screen enabled, allowing easy use on tablets. • The solution should have an autodetect function to locate and identify the mobile device. • It shall have the ability to offer dynamic profiles of phones, based on IMEI, OS type, version and chipset. • It should come with a compact and lightweight case with all necessary cables for the supported phones/OS). • Support Android, iOS, Blackberry, Bada, Symbian & Windows mobile device and generic capabilities for certain chipsets like MTK and Qualcomm, to obtain decrypted Physical Extractions. • The solution should be technically capable to clone the SIM ID, which allows to extract phone data while preventing the mobile device from connecting to the network. • The solution should be technically capable to copy a SIM ID from one SIM card to another SIM card or to a vendor's SIM ID access card. • The solution should be technically capable to perform SIM data extraction, i.e., the extraction of information from a SIM or USIM card.

I have read and understood all terms and conditions and implications thereon of the tender document and accept it.

Sign and Seal of Bidder

S/N	TITLE	DETAILS
		<ul style="list-style-type: none"> • It should be able to support file system extraction of blocked application data by downgrading the APK version temporarily for Android devices running on Android 6 and above. • The solution should be technically capable to extract flight data and multimedia files from supported drones, i.e., to perform physical extractions, as well capture images of drones. • The solution must support the use of custom-made proprietary boot loaders instead of the 3rd party bootloaders. • The software should provide lock bypassing physical extraction support for devices with Coolsand based chipsets. • There should be a consent-based collection capability without the need to select the device profile and extraction method, solution should automatically use the relevant device access method and present available extraction options to the user • The software should allow the users to select specific files and folders in the file system for extraction • The software should allow examiners to perform a quick selective extraction of specific applications or files, while doing Full File System extraction for supported Android as well as iOS devices. • The software should also allow selective extraction of only cloud tokens from the phone while doing Full File System extraction. • It should provide a simple extraction flow with generic extraction for unsupported devices. • The software should be supplied with USB 3.0 adapter which connects to PC's USB port for faster extraction. This adapter should also have a RJ45 port for device connectivity. • The software should also be supplied with a multi-SIM adapter with support for Micro, Nano and standard SIM cards. • The software should also be able to quickly capture the chat data, by automatically taking screenshots from any Android device. It should also allow the user to perform a text search on the captured screens as well. This should support applications like WhatsApp, Signal, Instagram and Snapchat • The software should be able to categorize the applications and group these categories for applications found in mobile devices and user should be able to filter by category. This capability should be available for supported Android as well as iOS devices. • The software should have a workflow guidance widget to help managers and administrators to guide, control and enforce working procedures. • The software should include a copy functionality which allows selection of specific files such as images, videos, audio and documents from any unlocked device such as Android & iOS phones or removable drives. • The software should have the capability to allow the user to stop the Android File System extractions (except for Android Backup and APK downgrade) before they complete to save the partial extraction up to that point. • Extraction Support • It should support advanced unlocking capability to perform Full File-System extraction from locked Samsung Exynos FBE and FDE devices with Secure

I have read and understood all terms and conditions and implications thereon of the tender document and accept it.

Sign and Seal of Bidder

S/N	TITLE	DETAILS
		<p>start-up. This capability should support devices S8, S9, S10, and A10-A50 series, running up to the Android 11. It should allow users to upload their own custom dictionary to enhance the unlocking process to make the process easier and faster.</p> <ul style="list-style-type: none"> • There should be a capability which allows lock bypass and get full file system & physical data collection from Samsung S8, S8+, S9, Note8 and Note 9 models with Qualcomm chipset. As part of full file system extraction, there should also be ability to extract Samsung Secure Folder. • It should allow full backup of the Signal database from unlocked Android devices. • The software should support Full File System extraction for the latest unlocked Samsung Exynos high-end devices like S20, S21 running on Android 11. S21 should be supported with Android 12 as well. • The software should support extraction of Full File System data from unlocked Qualcomm chipset-based Samsung devices like S9, S10, S20, S21, S21 Ultra 5G, S21 Plus devices running on latest security patch level and up to the most recent Android 11. • The software should allow full file system extraction for unlocked Huawei Kirin devices running Android 9 and higher • The software should allow collection of data from applications like Signal Private Messenger, Samsung Health and Proton Mail that leverage keystore for additional security using methods like full file system extraction for wide range of Android devices. • The software should have support for a generic Full File System or Physical Extraction for unlocked high-end Android devices with Qualcomm chipsets. This capability should be available for the popular devices from major Android vendors such as Samsung, Huawei, Xiaomi, OPPO, OnePlus, VIVO, as well as devices from Nokia, LG and Motorola, running on Android Versions from 7 up to 11. • There should be support for Full File system extractions from latest high-end Android Qualcomm devices such as Samsung Galaxy S21, S21 Ultra 5G and S21 Plus, Xiaomi Mi 11, One Plus 9, Redmi K40 pro, and others. • The software should at least provide the following extraction methods to the user: Selective Filesystem Extraction, Selective App data extraction, Selective cloud token extraction, EDL extraction with decryption, Exynos Live, MTK Live, Qualcomm Live, Smart ADB, Samsung Qualcomm, Samsung Decrypting Exynos, Samsung MTK, Samsung Spreadtrum, Samsung Exynos Physical Bypass, Generic Android Unlock using Lockpick, APK Downgrade (Android 6 & above), Huawei Kirin extraction, LG LAF, Advanced ADB, TWRP, Coolsand chipset extraction. • The software should provide capability to perform Full File System or Physical extraction from unlocked MTK 64-bit devices running Android 9 and above for devices like Oppo A55, Realme 7, Vivo Y19, Xiaomi 11T and others with chipsets like mt6732, mt6735, mt6738, mt6763, mt6768, mt6769, mt6771, mt6781, mt6785, mt6797, mt6983, mt8161, mt8163, mt8165, mt8732 and mt8752 • The software should provide capability to perform Full File System or Physical extraction from unlocked Exynos 64-bit devices running Android 9 and above for devices. It should support all Exynos chipsets up to Exynos 2200. • It should provide capability for Nokia feature phones with proprietary Nokia OS and

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		<p>MTK & Spreadtrum chipsets to get physical extraction from Nokia 105, 110, and 130 families.</p> <ul style="list-style-type: none"> The software should have support to bypass pattern, password and pin locks and overcome encryption challenges for a wide range of Qualcomm EDL, Qualcomm and Exynos based supported Samsung, Motorola, LG and Sony devices. The software should retract a range of data e.g., Call Logs, Contacts, Calendar SMS, MMS, Video, Image, Apps Data, GPS Trail, Chat, E-mails etc. It should support custom boot loaders to ensure forensically sound bit-by-bit physical extractions, without tampering the data. It should have support for data extraction, decoding and analysis for unlocked devices running up to iOS 16.0. The software should be able to support full file system extraction using Checkm8 capability for Apple iPhone 7,7+,8.8+ and X for iOS 15.7 depending on the iPhone device supported based on Apple official release <p><u>Additional Points:</u></p> <ul style="list-style-type: none"> Support for different handsets brands like Apple, SANYO, KYOCERA, Motorola, ASUS, Sharp, Lenovo, HUAWEI, CASIO, NOKIA, NEC, Samsung, iPhone, Xiaomi, OPPO, VIVO, OnePlus, HYUNDAI, BlackBerry, ZTE, LG, Acer, Qtek, Vodafone, Telit, Toshiba, Plam, i-mate, Ubiquam, Haier, Zonda, Sony Ericsson, Samsung, HP, Jaga, Sagem, Alcatel, Mediatek, HTC, etc. It should be able to integrate with Active Directory for user authentication. <p>Support for Various Phones:</p> <p>Android Phones:</p> <ul style="list-style-type: none"> It should support unlocking with physical extraction for at least 100 Qualcomm and Exynos based Samsung devices, including S7, S7 Edge, S6, S6 Edge+, Note 5, A5, A7, J4+, J5, J6, J7 and J8 families The software should be able to support full file system extraction on more than 12 Samsung Exynos devices which includes S10,S10+,S10e and A10-A50 phone model. The software should be able to support Samsung devices with full disk encryption such as Samsung S9 or Samsung Note 9 running on Android 10. It should support lock bypass using file system extraction for popular Samsung devices like Galaxy J7, Galaxy S8, Galaxy Note8 and Galaxy S8+. It should have lock bypassing decrypted physical extraction capability for Qualcomm Android devices including LG, ZTE, Xiaomi, Huawei, Alcatel and Motorola It should be able to perform selective file system extraction on popular Samsung models with the Qualcomm processor (SOC). The software should have a capability to extract Qualcomm chipset phone in a generic option that support popular brand like Samsung and Huawei. The software should have a capability to extract MTK chipset phone in a generic option. It should have decrypting bootloader capability for Huawei devices with HiSilicon Kirin chipsets and Samsung devices with Exynos processor It should be able to allow users to perform a full file system and selective extraction on smartphones with the Huawei HiSilicon KIRIN 970 processor and other popular

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		<p>devices with the KIRIN 659, 960 and 980 chipsets For Huawei and Huawei Honor must be running android 8 and 9.</p> <ul style="list-style-type: none"> • It should support Physical Extraction via ADB for android devices directly to any USB storage or an SD card connected to the device. This method should be generic and should be supported across most Android phones available in the market. This method should support android devices including OS version 7 • It should support Physical Extraction over ADB for Samsung devices running up to Android OS v8 • It should support bootloader-based physical extraction for zte, alcatel and xiaomi devices running Qualcomm chipset • It should support Partial File System extraction while bypassing User Lock for more than 100 Android devices • It should have physical extraction method from more than 400 locked Android based devices bypassing any type of lock (Pattern/PIN/Password) using proprietary boot loaders, enabling a forensically sound extraction process. • It should support automatic detection of supported devices. It should also support manual search for devices by manufacturer, model and IMEI number. • It should be able to perform physical, full file system and selective file system extraction on Smartphone with Samsung Qualcomm Processor • It should acquire apps data from Android devices via all extraction types including: Facebook, Facebook Messenger, Google+, PingChat! (aka Touch), Skype, Twitter, Viber, Yahoo Messenger, WhatsApp, TigerText, Dropbox, QIP, Kik Messenger, Evernote, Kakao Talk, ICQ, V Kontakte, HideSMS, Kakao Story, MeetMe, Coco, Google Duo, FitBit, Zalo, Yubo, Zello <ul style="list-style-type: none"> • Physical Extraction of Major Device Support should at least include the following phones: • HTC – HTC Evo, HTC One M8, Incredible, Desire 310, Desire C, 2PS6500 10, U11, U-1w Ultra • Motorola – Milestone, Milestone 2, Droid, Droid 2, Droid 3, Droid X, Droid Razr, Razr Maxx, Defy, Moto X Play, Moto G, XT1710-02 Z2 Play, G4, G5, Nexus 6. • Samsung – Galaxy S7, Galaxy Note 7, Galaxy Note 5, Galaxy Note 8, Galaxy S6, Galaxy S8, Galaxy S8+, Galaxy S6 Edge, Galaxy S5, Galaxy S4, Galaxy SIII Family, Galaxy SII, Galaxy Note 4, Galaxy Note II, Galaxy Mega , Galaxy s5 duos, Galaxy alpha, J3 Neo, J5, J7, A5 and A7 • Indian Phones – Intex Aqua AMOLED, Intex Aqua Core; Intex Cloud Y5; Intex Aqua i7; Karbonn A12+; Karbonn A25, Karboon S99 Titanium, Xolo A50zip0S ; A114R Canvas Beat, Micromax A190 Canvas HD Plus, Intex Aqua ring. • Blackberry Phones: • It should enable physical extraction and decoding from BlackBerry devices running OS 4-7. Physical extraction should be performed using proprietary boot loaders, enabling a forensically sound process. Real-time decryption should be enabled for selected devices.

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		<ul style="list-style-type: none"> BlackBerry Messenger (BBM) messages including Deleted messages and chats, message attachments, contact photos, BBM from groups: Chats, contacts and shared photos Installed applications data: WhatsApp, Facebook, Twitter, Google Talk (Gtalk), UberSocial (WhatsApp data retrieval includes decryption of the database and recovery of contacts, chats, chat attachments and user account). Address book, SMS, MMS, Emails, PIN messages, Calendar entries, Memo pad notes, Web browser history, Web bookmarks, Bluetooth devices and Cookies. Recent email contacts (BB OS 6 and above, where available) Device Info (Model, IMEI\MEID, ICCID, PIN, OS version, Platform, Supported Networks) Windows Phone: <ul style="list-style-type: none"> It should support physical extraction and decoding of devices running Windows Phone devices running OS versions 8.0, 8.1 and 10. It should also support obsolete OS including 6.0 and 6.5. JTAG decoding of contacts, call logs and SMS from Windows Phone 8.x devices is enabled via physical extraction The Devices supporting Physical Extraction should at least include HTC Pro, HTC HD2 T9193, Xperia X1, Nokia Lumia 520, LG GM750 and other popular models. Nokia BB5 Phones: <ul style="list-style-type: none"> It should support bit-for-bit physical extraction from locked and unlocked Nokia BB5 devices using proprietary boot loaders. It should support decoding of Symbian databases including Decoding of intact and deleted contacts, SMS, MMS and call logs; Decoding support for multilingual content. Portable GPS Device: <ul style="list-style-type: none"> It should enable physical extraction and decoding of data from a range of portable GPS devices. The Decoded data should include: Entered locations, GPS fixes, Favorite locations, GPS info. It should provide a solution to the encrypted TomTom trip-log files that reside in the TomTom device STATDATA folder. It should support Extraction and decoding of existing and deleted data from TomTom devices. TomTom extraction and decoding of information includes: Home, Favorites, Recent, User entered, Locations, Last journey, Location, Date & Time, Routes, GPS fixes (also deleted), Deleted locations (of all categories) It should support Data Extraction from Garmin & Mio devices. Extracted data includes : Favorites, Past journey (containing all the fixes during the journey), deleted GPS fixes Feature Phones: <ul style="list-style-type: none"> It should enable physical, file system and logical extraction, and decoding from selected devices. Decoding of intact and deleted data: Phonebook, SMS, MMS,

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		<p>calendar entries, SIM ID and more.</p> <ul style="list-style-type: none"> The Supported Phones (for either Physical/ File System/ Logical) should at least include: Nokia: 1280, 1616, 1650, 1661, 1661-2b, 1680 Classic, 1800, 2720 fold, 2720a-2b, 2730 Classic, 2760, 3109 Classic, 3110 Classic. Samsung: SGH-C120, SGH-A127, SGH-M130L, SGH-A137, SGH-T139, SGH-J150, SGH-X150, SGH-X160, SGH-X166, SGH-X168, SGH-C170, GT-E1195, GT-E1230, SGH-E1310B, SGH-B2100. <ul style="list-style-type: none"> Chinese Chipsets Based Phones: Using proprietary boot loaders, it should perform a bit-by-bit physical extraction, from devices manufactured with Chinese chipsets, accessing the device's memory, whilst maintaining forensic integrity. The boot loaders prevent the tampering of data, during physical extraction. The tool should provide generic extraction with Decrypting bootloader for MTK based chipsets including 6580, 6735, 6737, 6753, 6755, 6757 & 6797. The software should be able to supports acquisition and decryption of 80+ MTK distinct chipsets and have the ability to conduct Physical or Full file system (FDE & FBE) extraction of unlocked MTK devices with ADB enabled. The Android OS supported should be up to version 9. <ul style="list-style-type: none"> Cable/Connector Kit for Chinese handset It should have a connectivity box acts as the interface between the phone and the tool, enabling the automatic pin-out identification. By selecting "Chinese phones physical extraction", the phone pin-out should be detected and the extraction will start automatically Using proprietary boot loaders, it should perform a bit-by-bit physical extraction, from devices manufactured with Chinese chipsets, including knockoffs, accessing the device's memory, whilst maintaining forensic integrity. The boot loaders prevent the tampering of data, during physical extraction. In addition, it should bypass user lock code from these devices and decode the user lock from the extraction within Tool. It should support the chipset auto detection function allows users to identify devices supported by Tool. Tool should enable decoding support for MTK chipsets: (for Indication of the SIM slot which is used for incoming/outgoing SMS and calls). Spread rum chipsets (for File system reconstruction, Phonebook, SMS, calls, Bluetooth devices and SIM slot used for SMS and Calls) Infineon chipsets: (Physical extraction of the inserted SIM data, including artifacts that reside on the device). <ul style="list-style-type: none"> IOS Phones: The supported unlocked iOS devices should minimally include the following: iPhone 2G, iPhone 3G, iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPhone 5S, iPhone 5C, iPhone 6, iPhone 6Plus, iPhone 6s, iPhone 6s Plus, iPhone 7, iPhone 7 Plus, iPhone 8, iPhone 8 Plus, iPhone X, iphone XS, iphone 11, iphone 11 Pro, iphone 11 Pro Max, iphone 12 mini, iphone 12, iphone 12 Pro, iphone 12 Pro Max, iphone 13, iphone 13

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		<p>mini, iphone 13 Pro, iphone 13 Pro Max, iphone 14, iphone 14 Plus, iphone 14 Pro, iphone Pro Max, iPod Touch 1G, iPod Touch 2G, iPod Touch 3G, iPod Touch 4G, iPod Touch 5G, iPad Mini, iPad 1, iPad 2, iPad3, iPad 4, iPad Pro, iPad Air, iPad Air 2.</p> <ul style="list-style-type: none"> Decoding of additional iOS databases from KnowledgeC, Health App, Siri native messages and Telegram should be supported.
	Decoding and Analysis Capability	<ul style="list-style-type: none"> Capability to provide powerful decoding and analysis solution for the extracted device data and simplify the task of navigating through the device's data structures and to assist in the complex tasks of intelligence gathering, investigative research, and providing legal evidence in the form of reports. It should provide the capability to decode selected applications rather than the complete phone extraction file to decrease the time to evidence. This selective decoding capability should be optional, and user should be able to choose to use this. It should support advanced data carving algorithms, by recovering database records to recover additional deleted data from unallocated space. It should support the decoding of the iCloud backup production set obtained from Apple devices and Instagram production set from other devices. It should have a function to allow view of cloud data in the platform with a valid cloud extraction license. Users can review the device data and cloud data through a single software interface with a unified experience, for a seamless and simplified review process. The software must have the function to extract cloud zip container. It should enable highlighting of the exact position for each decoded content entry, enabling full tractability between the analyzed data and the Hex. It should enable using the Python shell to enhance the capabilities for content decoding. It should be able to run Python scripts via plugins and edit and create new customized decoding chains. It should support image carving, a feature used to recover deleted image files and fragments when only remnants are available. It should support advanced location carving, by decoding more location data from unallocated spaces and unsupported databases. It should perform an on-demand searches for viruses, spyware, Trojans and other malicious payloads in files. The software should enable the user to identify the usage of cryptocurrency and detect addresses or transactions within the device data to provide coin data including value, currency type, artifact type and model type. <ul style="list-style-type: none"> The software user interface should have time bar, data files section in analyzed data and themes setting with dark and white theme to choose from. It should allow the user to extract and preserve public domain, forensically sound data in one workflow. The user can enrich the extracted data sources, and quickly reveal evidence based on available public data on Facebook, Instagram, and Twitter. The software should have the media classification capability to detect and categorize images and video frames into key categories. This capability should be selectable and user should be able to decide if he wants to run the media classification on a

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		<p>particular case.</p> <ul style="list-style-type: none"> • The media classification capability should be based on machine learning to automatically identify media files related to 20+ key categories like Cars, Credit cards, Documents, Drugs, Faces, Photo ID, Flags, Food, Gatherings, Screenshots, Handwriting, Maps, Money, Nudity, Tattoos, Weapons and Suspected CSA (Child Sexual Abuse) • The software should also be able to segregate the different media classifications into relevant groups like people, textual etc. to make the data review simpler and more efficient. • It should have the capability to convert geographical location information to corresponding address directly from the software. • It should be able to decode network usage information to record the sending and receiving of information via various network connections. • It should have capability to identify unsupported apps in databases and surface data from them. It should leverage Artificial Intelligence to perform automatic analysis of any application database, and decode chats, contacts, user accounts and location artifacts without any prior knowledge of the application. • It should be able to support parsing of the Samsung wiped data to get the device factory reset data and also able to detect the time of last iOS data-wipe • It should support parsing of Apple pay data to get Apple wallet transactions and location data. Data should be available for transactions from both Safari and iMessages. • It shall verify file integrity with use of MD5 and SHA 256. • It should support tagging of events using one or more labels via hotkeys. It should have capability to import and export tags from one system to another as XML files. • It should be able to support the applications such as WhatsApp, Skype, Facebook Messenger, Azar, Telegram, Discord, Tiktok, Wechat, Wickr, Reddit, Signal, Viber, Zalo, Cash App, imo, DuckDuck Go browser, Plus Messenger and WhatsApp dual mode. • It should support the parsing of messages, calls and user accounts for the secure messaging app Threema for Android devices • It should have a built-in SQLite Viewer. • It should have a wizard to visually map data from databases which are not automatically decoded by building queries. • It should be able to save the queries created by the wizard and then run them again when the same application is encountered in other extractions. • It should have a built-in tool for researching databases recovered as part of the investigation using Fuzzy Model. • It should be able to match files extracted against Hash Databases and it should have built-in support for Project VIC and CAID hash databases. • It should allow user to have the control to input IMEI number to decrypt WeChat database if needed. • It should include the provision of a case id as well as other relevant case-related information as part of the extraction report and allow filtering based on specified date range. • It should enable visualizing of events over time, view distances between events and see the number of events within a defined timespan in a table.

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		<ul style="list-style-type: none"> • It should support viewing of all locations on a single map. It should enable viewing of extracted locations using offline maps even without an Internet connection. There should be an option to connect to offline maps from a shared central location. • It should support the ability to highlight information based on predefined list of values. • It should support viewing of text files including file information, content, and Hex. • It should support quick search within decoded data. • It should enable quick reference pointer to set to analyzed data item and data file item. • It should support Hexadecimal view of the extracted data enabling advanced search based on multiple parameters, regular expressions and more. • It should enable the translation of foreign-language content from extractions to English. In-built offline translation should be possible from at least 5 languages. If required, then at least 70+ languages should be available at additional cost. • It should be able to Generate and customize reports in different formats e. g. PDF, HTML, XML, Excel and Word. It should provide global setting to select/unselect items in a report. The software should also allow to password protect the reports. • There should be a time range filter for the reports to display data from a specific date and time range • It should be able to provide a separate report with device information and user account information for quick reference of users. • It should enable chat messages to be exported in conversation format, in PDF reports. • It should support exporting selected emails to EML format. • It should support hash verification to ensure the extraction decoded is the same extraction received from the device. • It should be able to merge multiple extractions in a single unified report for efficient reporting and investigation. • It should have the option to adjust the timestamp according to the time zone and offset setting on the device. • The software should provide a file format viewer which allows users to view, search and copy readable content from various file types like plist, bplist, etc. • It shall have an in-built screen capture capability to visually document (via pictures and/ or by video recording) and capture the examination process for sharing with stakeholders and easily insert it in a report. • The software also has the capability to extract Google advertisement ID (AD-ID) on advanced logical extraction and iOS advertisement ID on iPhones. • The software should allow playback of WhatsApp audio files in analysis software. It should also provide indication of reply for WhatsApp messages in application and reports generated. • It should have support decoding and review of secret messages from Facebook Messenger in Android, with support for vanish mode (self-destructing messages). • It should have support for parsing WhatsApp's disappearing messages and iOS "view once" media. Should also supporting parsing of Signal iOS messages which were set to self-destruct at a specified date-time. • It should be possible to validate the image hash directly from the software GUI • The software is able to extract memory from Samsung devices to decrypt Samsung

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		<p>Health DB</p> <ul style="list-style-type: none"> • The software should decrypt and decode location information from Samsung Rubin service • The software should be able to decrypt the Facebook messenger offline account on an iOS mobile device and parse the messages, calls and contacts. • The software should support Samsung browser passwords and allow user to review the decrypted password data of the device owner. • The software should be able to read interactionC database from IOS. • The software should support the following decoding capabilities: <ul style="list-style-type: none"> ○ Decode the powering events, decode Samsung password manager and Samsung locked notes ○ Decode iOS CashApp to parse user account, transactions, contacts, and credit card data ○ Decode Microsoft Teams to parse chats, calls, contacts, user account, calendar events, and web artifacts ○ Decode encrypted media from iOS Private Photo vault including location and transaction data, should include transactions done with Safari and iMessages ○ Decode SkyPhone application to parse account information, address book and call history ○ Decode Google Archive Files ○ Decoding of backups for MTK based Android phones. ○ Decoding of warrant return packages from WhatsApp, Facebook, Google, Snapchat, Instagram, Apple iCloud, Discord, TextNow and SkyECC ○ Decoding of physical activity data from health and wellness applications ○ Decoding of different WhatsApp variants like WhatsApp2Plus, obwhatsapp, ob2whatsapp, ob3whatsapp and ob4whatsapp ○ Seamless process for cloud data decoding ○ Automatic decoding of data from .zip and TAR files ○ Decoding of the iCloud backup production set obtained from Apple devices and Instagram production set from other devices ○ Decoding of Huawei backup and Huawei HiSuite backup. ○ Decoding of ADB backup, MTK backup, iTunes backup, Blackberry 10 backup, Google Takeout (Google Archive) and LG backup ○ User should be able to save and abort decoding process ○ Decoding of Berla ivx files • There should be a single software interface in which users can review device and cloud data through a single tool and with a unified experience, for a seamless and simplified review process. • The software should allow access to remote cloud data sources to obtain, decode, save and perform analysis of this data. • The data from these cloud sources can be from public and private domain, including data from social-media applications, instant messaging applications, lifestyle applications, web pages, file storage sources and other content available on cloud using a process which is forensically sound. • The software should support extraction of different content types from the data

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		<p>sources which includes messages, images, videos, files, contacts, calls, user profile, locations, user activities and backups.</p> <ul style="list-style-type: none"> • The software should provide visibility of the cloud extraction progress to the user. It should provide a view of the current status of each data source extraction with option to cancel the process if required • It should allow users to gather private user data with appropriate legal authority from over 60 of the most popular social media and cloud-based sources, i.e. Facebook, Telegram, WhatsApp, Viber, Twitter, Gmail, AOL Mail, Dropbox, Uber, Skype, Instagram, , TikTok, Line, LinkedIn, SnapChat messages, LinkedIn Public, Discord, Google Drive, etc., using login credentials provided by the subject, cloud login keys extracted from mobile devices or PCs, retrieved from personal files or via other discovery means to gain access to time-sensitive evidence. • The media classification capability should be based on machine learning to automatically identify media files related to 20+ key categories like Cars, Credit cards, Documents, Drugs, Faces, Photo ID, Flags, Food, Gatherings, Screenshots, Handwriting, Maps, Money, Nudity, Tattoos, Weapons and Suspected CSA (Child Sexual Abuse) • The software should have the capability to create cloud tokens from manually entered credentials for future cloud extractions • The software should allow extraction of Facebook location history data to provide information about location of a device or account. • Should have the capability to access WhatsApp Web data through QR code scan of the unlocked device to extract data including contacts, user account, chat data and chat instant messages. • The software should allow capability to capture and review public data as well to allow examiners and investigators to enrich their cloud data with publicly available data including location information, profiles, images, files and social communications from popular social media applications such as Facebook, Twitter and Instagram. • The Software should have the capability to use the QR code scan of the unlocked phone to access and extract the Telegram Web data including contacts, calls, user account, chats, channels data, instant messages including attachments, shared contacts and locations. • The software should allow use of cloud login keys from the Mobile device and using cloud keys it should result in bypassing the security mechanism such as two factor authentications imposed by the cloud service provider that prevent access to the data. • The software should be able to validate data artifacts from iCloud data, iCloud drive, iCloud Photos, iCloud keychain, google contacts, calendar, task and photos. • The software should support extraction of Samsung backup files, including photos, calls, messages and notes. • The software should support WhatsApp Google backup allowing extraction of WhatsApp backups using a Google User account, password and a mobile device. • The software should allow use of cloud login keys from the Mobile device and using cloud keys it should result in mimicking the mobile device thus leaving minimal login traces and generating little or no alerts to the end user. • The software should also allow extraction from a variety of remote cloud data sources

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		<p>using known username and password.</p> <ul style="list-style-type: none"> • The software should support 2FA authentication when accessing cloud data using username and password for at least Facebook, Google, Twitter and Dropbox • The software should support creation of PC browser tokens for Facebook, Google, Instagram and LinkedIn. It should also support creation of PC apps token for iCloud and One Drive. • The software should support extraction of several files revisions from Cloud storage sources such as Google Drive, iCloud Drive, Dropbox, OneDrive, Outlook 365, Office 365, Box, and Magenta Cloud application • The software should support reduction of extraction time from Cloud storage sources such as Google Drive, Dropbox, One Drive, etc. by pre- selection of specific files and directories for extraction • The software should display the location events chronologically. It should enable viewing of extracted locations using online as well as offline maps even without an internet connection. • The software should allow access to user requests over popular IOT devices like Amazon Alexa and Google Home. • It should support Google's backup and extraction features, saved notes on Google Keep, Google My Activity, Google passwords, Google recent devices from Google servers. • It should support Booking data source to review the Booking data like reservations, search history, payment and location data • It should allow health and movement data from popular activity trackers like Fitbit. • It should allow extraction of bitcoin addresses and transaction history from cryptocurrency apps like Coinbase. • It should support Amazon data source to review the data like purchased products, search history, payments and shipment data • It should allow extraction of information from DJI Drone app and Skypixel app. • It should support extraction of travel information from Uber and Lyft app. • The software should support reporting of extracted data from the Cloud to human readable format such as PDF, Word, Excel, HTML and XML. It should provide global setting to select/unselect items in a report. The software should provide additional security for protecting the reports. It should also allow to password protect the reports. • The software should support export of extracted location data to KML format. • The software allow user to input name and details of the cloud extraction. • The solution should come with separate tool with below specx. • The Hash match application Should allow users to select a file to generate its Hash Value. • It should support Hash types:MD5, SHA1, SHA256, SHA512, SHA384, RIPEMD-16. • It should Allow users to export generated Result in PDF Format. • It should Allow users to Validate files against Hash value. • It should Allow users to Compare two files for any selected Hash.
		<ul style="list-style-type: none"> • It should come with 03 Years subscription license with software/ Firmware updates during the warranty period

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		<ul style="list-style-type: none"> Bidder should have tender specific authorization certificate from OEM
		<ul style="list-style-type: none"> Online/Offline training should be provided by the Supplier.

Annexure-II

Item Name: OpenText Encase Forensic Latest Edition. (Qty: 02)

S.No.	Specifications
1	Imaging: Acquire data from the widest variety of devices, including over 25 types of mobile devices such as smartphones, tablets, and GPS devices
2	Evidence Processing: Ability to process and to parse evidence, data structures, initiate searching, and data carving features. These consist of recovering evidence related to Internet, email, registry, compound files, event logs, Windows and OS X artifacts, along with many others.
3	Signature Analysis: Analysis of files based on their signatures and file extensions.
4	Hash Analysis: Calculate hash values for entries, ability to add hash values into a hash set, and to organize hash sets into a hash library
5	Bookmarks and Tags: Bookmark or tag a single entry, multiple entries, or to bookmark highlighted data for evidence
6	Raw Searching: Raw keyword searching feature on the evidence entries.
7	Conditions Filters and EnScript Programs: Create custom conditions or utilize built-in filters and powerful EnScript programs for analysis of the evidence
8	Reviewing Email: Supports email review and email recovery. Supports email analysis of various email clients as: Outlook PST/OST, Outlook Express DBX, Exchange EDB, Notes NSF, EML (Microsoft Internet Mail), Eudora, Thunderbird, Quickmail, Netscape, AOL etc.
9	Encryption Support: The following encryptions are supported <ul style="list-style-type: none"> Check Point Full Disk Encryption (formerly Pointsec PC) Data Protection Enterprise Edition Mobile Guardian (subsumed by Dell) Encryption Plus/Anywhere EndPoint Encryption (formerly SafeBoot) BitLocker and BitLocker To Go SafeGuard Easyand Enterprise (formerly Utimaco) PGP Whole Disk Encryption Endpoint Encryption SecureDoc Full Disk Encryption and Self-Encrypting Drives Provides encryption support for Microsoft Windows 10 Bitlocker XTS-AES, Dell Data Protection 8.17 and Symantec PGP v10.3 etc.
10	Reviewing Internet: Capable to parse numerous Internet data storage structures.
11	Compound File Analysis: Access data stored within compound files
12	Using the Case Analyzer: Reports Review capabilities across collected data from registry, inside the Case Analyzer.
13	Creating Triage and Basic: Create simple reports or unlock the ability to customize report templates for reporting.
14	Apple File System (APFS) support: Supports APFS, the file system used in helping investigators conduct targeted data collections from APFS and send the output as an EnCase logical evidence file
15	AFF4 support: Provides physical and logical read capabilities to allow for ingestion of evidence from other investigative tools, enabling all relevant evidence to be collected within a single case file and helping investigators quickly gain a more comprehensive view of the evidence available to their case.

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16	Apple T2 Security Bypass: Acquires machines equipped with Apple T2 Security chips without additional hardware, drive partitions, or hassle. And if the user is logged in, no credentials are required
17	Volume Shadow Copy Capabilities: Examines Volume Shadow Snapshot (VSS) backups, also known as volume shadow copies, generated by Microsoft Windows, allowing investigators to recover deleted or modified files, as well as full volumes and learn what may have taken place on a system before the investigation
18	Enhanced indexing engine: Empowers investigators to conduct investigations with powerful processing speeds, advanced index searching, comprehensive language support and optimized performance
19	Extensibility: Offers extensibility through EnScripts, which are automated code commands that streamline and automate tasks and extend the capabilities of EnCase Forensic to help the examiners complete investigations more efficiently
20	Workflow Automation: Delivers automated investigation workflows so examiners can easily navigate through EnCase Forensic to enhance how they uncover evidence
21	Reporting: Provides customizable templates to help examiners create compelling, easy to read, professional reports that can be shared for every case
22	The solution should be able to perform searches of cryptocurrency artifacts from the HDDs in an offline mode. It should at least support popular cryptocurrencies, including Bitcoin, Ethereum, Tether, USD Coin, Binance Coin, Ripple, Binance USD, Cardano, Solana, Dogecoin, PolkaDOT, DAI, Polygon, Shiba Inu, Tron, Avalanche, Uniswap, Wrapped Bitcoin, and Litecoin. It should be able to scan a variety of document formats, including text files, documents, PDFs, images, emails, spreadsheets, wallets, and PowerPoints, to retrieve valuable information such as seeds, public keys, private keys, transaction hashes, currency names, currency symbols, and exchange names. Once the process is finished, users should be able to download a PDF document containing the same results.
23	The solution should come with 3 years warranty
24	Online/Offline training should be provided by the Supplier.

Annexure-III

Item Name: Access data Forensic Tool (FTK) – Qty 01

SrNo	Specifications
1	Shall have built in module to create forensic images of suspected storage device in DD, EO1, SMART & AFF format with authentication (MD5, SHA1, SHA2) hash.
2	Shall have built it module to analyze registry of windows-based machine to extract vital information like typed web address, USB device information, saved passwords, OS install date, OS name and version etc.
3	Shall have Wizard-driven processing capability and ability to Cancel/Pause/Resume processing
4	Shall show real-time processing status and shall send notification / alerts upon processing completion

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5	Shall have advanced data carving engine which allows examiner to carve allocated and unallocated data on following criteria to reduce the amount of irrelevant data carved while increasing overall thoroughness. File size, File Type, pixel size (Images)
6	Shall have over 50 custom data carvers for windows, MAC, Linux and Internet artefacts.
7	Shall support scripts or writing scripts for automation purpose.
8	Shall have broad file system, compound file, internet artifacts and email artifacts.
9	Shall support email analysis of various email clients like Notes NSF, Outlook PST/OST, Exchange EDB, Outlook Express DBX, Eudora, EML (Microsoft Internet Mail), Earthlink, Thunderbird, Quick mail, Netscape, AOL, RFC 833 etc.
10	Shall support file systems including: Windows FAT12/16/32, NTFS; Macintosh HFS, HFS+; Sun Solaris 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.
11	Shall have the ability to perform searches of cryptocurrency artifacts from the HDDs in an offline mode. It should at least support popular cryptocurrencies, including Bitcoin, Ethereum, Tether, USD Coin, Binance Coin, Ripple, Binance USD, Cardano, Solana, Dogecoin, Polka DOT, DAI, Polygon, Shiba Inu, Tron, Avalanche, Uniswap, Wrapped Bitcoin, and Litecoin. It should be able to scan a variety of document formats, including text files, documents, PDFs, images, emails, spreadsheets, wallets, and PowerPoints, to retrieve valuable information such as seeds, public keys, private keys, transaction hashes, currency names, currency symbols, and exchange names. Once the process is finished, users should be able to download a PDF document containing the same results.
12	Listing of all files and folders in a case
13	Detailed listing of all URLs and corresponding dates and times of web sites visited
14	Document incident response report Log Records
15	Registry
16	Detailed hard drive information about physical and logical partitions.
17	Supports exporting of reports in multiple file formats.
18	The solution should come with 3 years warranty
19	Online/Offline training should be provided by the Supplier.

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COMMERCIAL BID (TO BE SUBMITTED ONLINE ONLY)

- a) Commercial Bid filled online on (n) procure website only will be accepted. Physical Commercial bid will not be accepted.
- b) Rates shall be quoted by the bidder per commercial bid. Rates must be inclusive of GST & all expenses/charges/taxes. The Bill/Invoice should be as per Government norms, indicating GST rates and amount separately.
- c) The prices quoted should be final and no foreign exchange or import license assistance will be given to bidder.
- d) No escalation in any form either of equipments/materials or labour shall be payable by the University.
- e) Bidder shall quote his rates for the item described below as per the terms & conditions of the tender documents.
- f) No hike in the rates will be accepted during the contract period and extension period.
- g) Bidder should offer one rate for the item mentioned below.

Lowest price (L1) will be considered Item(s) wise (Sr.1 to 3).

Commercial/Financial Bid (To be Filled Online Only)

Hard copy of this Price Bid should not be submitted

“PURCHASE OF VARIOUS SOFTWARE AND HARDWARE PRODUCT-GSET ”

List of Item/Service Required

Sr. No	Name of Item/software/hardware	Qty	Total Amount in Rs.
1	UFED 4PC WITH CHINEX AND UFED	1	To be submitted On line only
2	Opentext Encase Forensics Latest edition Licence 3 years	2	To be submitted On line only
3	Access data Forensic Tool (FTK)	1	To be submitted On line only

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