

**GOVERNMENT OF MIZORAM
POLICE HEADQUARTERS : AIZAWL**

No.B.13011/PHQ/PROV/SAP/FE/26-27/75 : Dated Aizawl, the 10th Aug, 2026.

TENDER NOTICE NO. 1 of FE (2026-27)

Sealed tenders are invited in two-bid system, i.e. Technical Bid and Price/ Commercial bid by the undersigned from the manufacturers/authorized distributors for purchase of following item(s) through registered post or these can be put personally in the sealed tender box kept in the Provisioning Branch of the office of the Director General of Police, Mizoram, Aizawl.

Sl. No.	Name of items	Application fee	Earnest money
1.	Forensic Equipment for Mizoram Police	₹ 1500/- (Non-refundable)	2 % of the quoted value <i>In case of Small Scale Industries of Mizoram it will be 1% of the quoted value.</i>

TERMS & CONDITIONS

The specifications of required items are enclosed with this notice. Tenderers are advised to quote their Rate after careful study of the tender specifications as well as the following terms and conditions:-

1. The tenders should reach the office of Director General of Police latest by **1200 hrs on 9th Sept., 2026.**
2. Tender envelope(s) must be sealed and super-scribed "**TENDER FOR SUPPLY OF FORENSIC EQUIPMENT FOR MIZORAM POLICE**" and Name of tenderer & Address at bottom left of the envelope which shall be addressed to Director General of Police, Mizoram.
3. Envelope for the bid shall contain the following :-
 - (i) **TECHNICAL BID** containing sealed envelopes for each items. The word "**TECHNICAL BID for supply of Forensic Equipment for Mizoram Police due to open on 9.9.2026 at 1:00 PM**" shall be prominently marked on the top of the envelope.
Separate Technical, quality, performance aspects, commercial terms & conditions (Technical data) for each item as per Annexure II should be sealed and are to be put in the bigger envelope i.e. Technical Bid. Name of item shall be marked on the top of each envelope.
 - (ii) **PRICE BID** containing separate sealed envelope for each item. The word "**PRICE BID for supply of Forensic Equipment for Mizoram Police**" shall be prominently marked on the top of the envelope.

Separate Financial bid for each item as per Annexure III should be sealed and are to be put in the bigger envelope i.e. Price Bid. Name of item shall be marked on the top of each envelope.

- (iii) A copy of terms and conditions duly signed by the tenderer, as a token of acceptance of the same should be attached along with the tender.
 - (iv) **Proof of their manufacturing/authorized dealership/distributorship. This is subject to verification if necessary.**
 - (v) Copy of self – attested GST registration indicating GST number or documentary evidence in case of exemption.
 - (vi) Earnest Money Deposit in the form of Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the Commercial Banks in favour of Director General of Police, Mizoram payable at Mizoram. No interest will be given on E.M.D. No tender will be accepted without requisite E.M.D. as mentioned in tender notice.
 - (vii) Duly filled up check list as per Annexure IV.
 - (viii) The declaration that bidder has not been blacklisted by any Govt. agency within Mizoram and abroad during last 5 years. The tender will be rejected straight way without assigning any reasons if the firm is found involved in any criminal case, declared blacklisted by any Govt. / Semi Govt. department/agencies etc.
4. The TECHNICAL BIDS will be opened first on **9.9.2026 at 1:00 PM** and the PRICE BIDS of only those bids which have been found technically acceptable after scrutiny of technical bid and technical/quality evaluation of the items will be opened for which date & time will be notified accordingly.
 5. The tenderer can remain present himself or his authorized representative at the time of opening of tender.
 6. The application fee is non-refundable. In case the firm fails to attach the receipt / demand draft of application fee, the tender shall be rejected.
 7. Incomplete tender/conditional tenders will not be accepted.
 8. The bidder must have functional service centre and documentary evidence of having functional service centre must be submitted. Dedicated/toll free telephone number for service support should be attached.
 9. All SSI units registered with NSIC/DGS&D for this item as per specification are exempted from the EMD. They have to enclose valid registration document/ exemption certificate with their tender. Bid security will not be required to be taken from Undertakings, Corporations, Autonomous bodies, Registered Societies, Cooperative Societies which are controlled/managed by Government, Government Undertakings and Companies of Union Government and Government of Mizoram. However, a Bid Securing Declaration will be taken from them.
 10. The Bid security taken from a bidder shall be forfeited in the following cases, namely:- (a) when the bidder withdraws or modifies his bid after opening of bids;

(b) when the successful bidder fails to deposit the Performance Security after fifteen days

of the issue of offer of contract; (c) when the successful bidder fails to sign the Contract in accordance with Bidding Document; (d) to adjust any dues against the bidder from any other contract with the Procuring Authority; (e) if the bidder breaches any provision of code of integrity prescribed for bidders in rule 64 of Mizoram Public Procurement Rules, 2020 and Rule 175 of GFR 2017.

11. Tenderer would not be permitted to alter or modify their bids after expiry of the deadline for receipt of bids.
12. The quoted price must be inclusive of all taxes and other charges, etc. No claim for taxes/charges will be entertained at a later stage. Nothing over and above the quoted price would be payable to the successful bidder. Tenderer must quote the net price both in words as well as in figures. Any over writing/cutting, etc. render the tender invalid.
13. The firm whose rates are accepted will have to deposit 5% of the total cost of the item as Performance Security in the forms of (a) Banker's Cheque of a scheduled bank (b) Bank guarantee (C) Fixed Deposit Receipt of a Scheduled Bank before the supply order is placed to the firm. Performance security should be deposited within 21 days from the date of issue of Letter of Acceptance. Formal award of contract is to be issued only after receipt of the prescribed Performance Security.
14. Performance security shall remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier/contract. In case, the firm does not complete the supply within the delivery period, **liquidated damage charges will be charged @ 2% of total cost per month of the item and action will be taken to blacklisting the firm and forfeiture of its Security Money. No interest will be given on Security Money.**
15. In case the firm fails to deposit the performance security money within the stipulated time, the EMD of the firm will be forfeited.
16. The Purchase Committee, in order to satisfy itself can order on the spot enquiry to verify the soundness & capability of the item and any other information given by the tendering firms.
17. The Purchase Committee reserves the right to relax any terms and condition in the Government interest, with the approval of competent authority. The Purchase Committee reserves the right to reject any tender or all tenders without assigning any reasons thereof.
18. The rates will be valid till supply of the item is completed, in all respect.
19. The rates will be F.O.R. at Aizawl - 796001.
20. In case the firm fails to supply the item within stipulated delivery period, the item will be procured from the open market, if so desired by Purchase Committee and the difference of cost, if any, will be recovered from the Security Money and pending bills of the defaulting firm, by calling explanation after issuing notice.

21. The quantity of the items mentioned in the tender notice can be increased or decreased upto twenty five percent without any change in the unit price or other terms and conditions of the bid and bidding documents, at any stage till the delivery of consignment is completed.

The payment will be made on receipt/acceptance of store in good condition as per prescribed specification. No advance payment will be made. No claim for interest in case of delayed payment will be entertained by the Department.

22. All disputes are subject to the jurisdiction of the Courts in Aizawl.
23. In case of violation of any clause of contract/agreement deed, the explanation of the firm can be called by issuing show cause notice. If the reply is not found satisfactory, Security Money can be forfeited as well as action for blacklisting can also be taken prior to taking any legal action.
24. Foreign Companies shall participate in the tender, only through their Distributors / Agent in India. No foreign company shall be entertained directly.
25. In case of any differences, the firm can be called for negotiation to patch up the differences on table prior to approaching court.
26. The bidder should carry a warranty/guarantee of subjected store for a period of at least one year.


(VANLALFAKA RALTE) DIGP (Mod.)
for Director General of Police
Mizoram, Aizawl.

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Copy to :-

1. The Director, I&PR for publication in the newspaper. Gist of the tender enclosed herewith for publish in 2 (two) leading local newspaper for 2 consecutive days.
2. In-Charge, Mizoram Police Website for information and necessary action.
3. Notice Board.


(VANLALFAKA RALTE) DIGP (Mod.)
for Director General of Police
Mizoram, Aizawl.

TECHNICAL SPECIFICATIONS FOR STATE ACTION PLAN 2026-2027 UNDER ASUMP SCHEME

Sl. No	Items	Qty.	Minimum technical specification required
1.	FRED-SR (Forensic Recovery of Evidence – Server)	2 nos.	Processor (CPU) - Base: Intel® Xeon® W-series (e.g., Xeon W5-3465X 16-core / 32-thread or similar). - Options: Higher-core Intel Xeon (28, 36, 44, 56+ cores) or dual Xeon configurations in some legacy models. - Alternative lines: Some FRED systems also support AMD Threadripper PRO (24–96 cores). Memory (RAM) - Base: 128 GB ECC DDR5 (e.g., PC5-4800 or PC5-5200 MHz). - Maximum: Configurable up to 512 GB or higher depending on motherboard. Storage Architecture OS Drive: 1 TB (or higher) internal M.2 NVMePCIe SSD. Database/Cache/Temp: Dedicated fast NVMe SSD (typically 1 TB+). RAID Storage: Three (3) × 5-drive hot-swap RAID chassis = 15 total RAID drives (typically 3.5" or 2.5" SATA). - Additional bays: 4 USB 3.2-connected hot-swap bays + 2 SATA-connected hot-swap bays. - Internal M.2 NVMe slots: Multiple PCIe 5.0/4.0 slots (3+). - RAID Controller: High-performance 12-channel PCIe SAS/SATA RAID controller. Graphics - Base: NVIDIA GeForce RTX 3050 (8 GB) or similar. - Upgrades: RTX 4060 / 4070 / 4080 / 4090 available. Networking 10 GbEonboard (standard on higher-end Xeon/AMD configs). - Additional ports available. Forensic Hardware Integration (Exclusive to FRED) UltraBay 4d Write Blocker: Hardware write-blocked imaging for SATA, SAS, USB 3, IDE, FireWire, and PCIe SSDs. Supports multi-device imaging with integrated cooling. Ventilated Imaging Shelf: Retractable, cooled drive shelf for safe evidence handling. Physical Specifications - Dimensions: Approx. 23.5" High (25.5" with wheels) × 16.25" Wide × 28" Deep. - Weight: ~150 lbs (heavier due to multiple RAID chassis). - Form Factor: Large tower ("double-wide" configuration). Software & OS - Microsoft Windows 11 Pro or Enterprise (64-bit). - Optimized for major forensic suites (FTK, EnCase, Autopsy, Cellebrite, etc.). - Includes bootable restore media and Ghost imaging tools.

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Sl. No	Items	Qty.	Minimum technical specification required
			Power & Cooling - High-wattage modular power supply (1200W+). - Advanced cooling for sustained high-CPU/RAM workloads. OEM: Digital Intelligence, USA Warranty: 36 months from the date of purchase Cost Discovery: From the previous supplier
2.	FRED-L (Forensic Recovery of Evidence Device – Laptop)	2 nos.	Processor (CPU) - Intel® Core Ultra 9 275HX 24 cores (8 Performance + 16 Efficiency), 24 threads - Up to 5.4 GHz Turbo, 36 MB Smart Cache Chipset - Intel HM870 Memory (RAM) 64 GB PC5-44800 DDR5 5600 MHz (standard) - Configurable up to 128 GB Graphics - NVIDIA GeForce RTX 5080, 16 GB GDDR7 VRAM, 256-bit, 10,752 CUDA cores Display 18-inch Quad HD+ (2560 x 1600) 240 Hz WVA, 100% DCI-P3 color gamut, G-SYNC, Matte finish Storage - Up to four (4) internal M.2 NVMePCIe drives: - Slot 1: 1 TB NVMe (OS) - Slot 2: 1 TB NVMe (user/case/database) - Slots 3 & 4: Optional additional NVMe drives - Various capacity and RAID options available. Networking & Connectivity - Dual Ethernet: 2 × 10/100/1000/2500 Mbps LAN ports - Wireless: Intel Wi-Fi 7 BE200 + Bluetooth 5.4 - Thunderbolt 5 - USB 3.2 Gen2 ports Keyboard & Input - Full-size backlit keyboard with numeric pad - Precision touchpad with multi-gesture support Security - Intel PTT (Platform Trust Technology) - Windows Hello camera with presence detection Software - Microsoft Windows 11 Pro 64-bit - OpenSUSE Linux 64-bit - Symantec Ghost (for imaging/restoration)

TECHNICAL SPECIFICATIONS FOR STATE ACTION PLAN 2026-2027 UNDER ASUMP SCHEME

Sl. No	Items	Qty.	Minimum technical specification required
			Physical & Power • Large 18" chassis (portable but heavier than consumer laptops) • High-capacity battery + AC adapter • Includes rugged travel case Physical & Power • Large 18" chassis (portable but heavier than consumer laptops) • High-capacity battery + AC adapter • Includes rugged travel case Included UltraKit (v5) – Forensic Acquisition Bundle Each FRED-L comes with a comprehensive field kit in a watertight case: • Three UltraBlock write blockers: SATA/IDE, USB 3.0, PCIe • UltraBlock Forensic Media Card Reader (Read-Only / Read-Write switchable) • Adapters: SATA III to M.2/mSATA, microSATA, PCIe M.2 SSD • USB 3.2 External 3.5" Drive Enclosure + 4 TB SATA HDD • Power supplies and cables OEM: Digital Intelligence, USA Cost Discovery: From the previous supplier
3.	Cellebrite INSEYETS	1 no.	• The solution should provide advanced access extraction capabilities to provide Full-File System extraction from unlocked File-based encryption devices and Physical extraction from unlocked Full-disk encryption devices from leading vendors like Samsung, Huawei, Xiaomi, Motorola, LG, Nokia, ZTE, OnePlus, Alcatel, Pixel, Realme, Vivo and Oppo. • The solution should include all necessary adapters, cables, and accessories to perform the supported advanced access operations on the iOS and Android devices. • The solution should allow data to be extracted in a forensically sound process. • The solution should come with all the relevant documentation including supported devices, user manual, release notes and video tutorials. • The solution should also allow Full File-system extraction of unlocked iOS devices with greater data extraction. • It should support Full File-system extraction from unlocked iOS devices running on chipset A8 to A13 for iPhone 6 to 11. The solution should be able to conduct Full File-system extraction from unlocked iPhone 11, 12, 13, 14,15 with chip running on A13, A14, A15, A16 to A17. • The solution should allow user to perform selective extraction at the level of the individual installed applications for both iOS and Android devices. • The solution should be able to conduct Full File-system

TECHNICAL SPECIFICATIONS FOR STATE ACTION PLAN 2026-2027 UNDER ASUMP SCHEME

Sl. No	Items	Qty.	Minimum technical specification required
			extraction for unlocked iPhone 16. - The solution should work in a secured environment in a client — cloud exploit server mode. - The solution must provide advanced access capabilities from a Central SaaS exploit server located on AWS cloud premises to multiple extraction end points. - Solution shall support multiple client endpoints working in parallel to the central AWS SaaS exploit server. - An advanced security mechanism should be available to allow the advanced exploit to be pushed down from the AWS SaaS exploit server to the client endpoints only on need basis. - The solution should be supported to run on an active internet connection with a recommended speed of a minimum of 100 mbps. - The solution should be regularly updated to support additional operating system versions and devices during the valid license and support period. - The solution should also have the ability to upgrade the license to provide the device unlocking capability using brute-force for the supported locked Android and iOS devices. - Solution should provide an automated capability to streamline the extraction, decoding and reporting functions of the entire end to end process. - It should allow the user to define a workflow in the beginning of the process to ensure the complete decoding, enrichment and reporting functions are automated without need of any human intervention. - There should be capability to automatically search for relevant device information during the access phase of the device based on the device state. - Solution should be able to provide information related to device identifiers like IMSI, device name and IMEI along with device user identification information. Automated workflow and searching device information capabilities should be available for the advanced access extractions for both iOS and Android devices. Mobile Extraction Capabilities - The solution should be able to extract forensic evidence from supported mobile devices including mobile phones, handheld tablets, portable GPS devices and drones. - 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 automatic detection of supported devices. It should also support manual search for devices by manufacturer, model and IMEI number. - It shall have the ability to offer dynamic profiles of phones, based on IMEI, OS type, version and chipset. - A multi-SIM adapter with support for Micro, Nano and standard

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Sl. No	Items	Qty.	Minimum technical specification required
			SIM cards should be supplied. Ability to perform SIM data extraction from a SIM or USIM card. • Support Android, iOS, Blackberry, Bada, Symbian & Windows mobile device and generic capabilities for certain chipset like MTK and Qualcomm, to obtain decrypted Physical Extractions. • The solution must use custom-made OEM proprietary boot loaders instead of the 3rd party bootloaders. • 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. This capability should allow user to perform other extractions at the same time. • The software should allow examiners to perform a quick selective extraction of specific applications or files, while doing Selective 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 Selective File System extraction. • 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 WhatsApp, a text search on the captured screens as well. This should support applications like 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. Users should be able to open a Support Ticket directly from the software GUI. Extraction Support • It should support advanced unlocking capability to perform Full File-System extraction from locked Samsung Exynos FBE and FDE devices with Secure start-up. This capability should support devices S8, S9, S10, and A10-A50 series, running up to the Android 13. It should allow users to upload their own custom dictionary to enhance the unlocking process to make the process easier and faster. • 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.

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Sl. No	Items	Qty.	Minimum technical specification required
			- The software should support Full File System extraction for the latest unlocked Samsung Exynos high-end devices like S20, S21, S22 running on Android 11. S21 should be supported with Android 12 as well. - Full File-System extraction from latest Samsung devices like Galaxy A04, A04s, A04e, A14, A24, A34, A54, M04, M14, M54, F04, F14 and F54. Full File-System extraction from the latest devices with Snapdragon 8 Gen 2, Snapdragon 4 Gen 1 and Snapdragon 7 Gen chipsets. - 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, S22 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, XiaomiMi 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, Unisoc Live, Kirin Live, 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, mt679, 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

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Sl. No	Items	Qty.	Minimum technical specification required
			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 MTK & Spreadtrum chipsets to get physical extraction from Nokia 105, 110, and 130 families. • 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 have support for data extraction, decoding and analysis for unlocked devices running up to iOS 18.0. • 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 15.7.3 depending on the iPhone device supported based on Apple official release. Decoding and Analysis Capabilities • Capability to provide powerful decoding and analysis solution for the extracted device data. • Should have Case Management capability which allows users to create and manage cases and to provide case details and exhibit information. It should enable users to include multiple extractions and to apply the different enrichments. • Should include dashboard view to provide quick visual overview and display insights into the extracted data including commonly used applications, the most recent messages and enable investigator to quickly and easily drill down into the data of interest. • Dedicated location analysis view to clearly categorize the location records like device visited locations, locations of some significance, media derived locations and any other location data for detailed user analysis. • Capability to identify the origin of media items found within the device data to collect various metrics about a media item and apply logic to try to identify how the item originated, providing the user with information about the determined origin and the reasoning for that determination. • Should have the capability to parse windows computer data like DD, E01, RAW, L01,001 or BIN images in the same application. Should have Registry Viewer to enable viewing of all Registry hives in a UI similar to the native Windows Registry Editor. • Should be built on a database architecture to reopen cases quickly without having to reprocess the data. • Should have internal cryptocurrency enrichment to automatically identify the usage of cryptocurrencies and to detect wallet addresses and transactions within the device data. It should also have an external cryptocurrency enrichment ability

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Sl. No	Items	Qty.	Minimum technical specification required
			to provide a detailed analysis of the cryptocurrency assets associated with detected wallet addresses and highlight potential illicit activity. The enrichment should further provide risk severity and graphs on currency sent and received insights. This crypto enrichment result should be exportable to a report for individual wallet addresses. - 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. - Enable highlighting of the exact position for each decoded content entry, enabling full tractability between the analyzed data and the Hex. Support for image carving to recover deleted image files and fragments when only remnants are available. Also support for 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. - 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. Support for parsing of the crypto wallet apps like Coinbase Wallet, Metamask, BitPay, Trust Wallet and MyEtherWallet. - Media classification capability to detect and categorize images and video frames into key categories. This capability should be selectable, allowing user to decide if he wants to run the media classification on a particular case. The media classification capability 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). - It 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. - Capability to convert geographical location information to corresponding address directly from the software. - Decode network usage information to record the sending and receiving of information via various network connections. - 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. - 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.

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Sl. No	Items	Qty.	Minimum technical specification required
			• 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. • Capability to verify file integrity with use of MD5 and SHA 256. Support 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. • Support the parsing of messages, calls and user accounts for the secure messaging app Threema for Android devices. • Support the parsing of messages, calls and user accounts for the secured Session Private Messenger for both iOS and Android devices. • It should have a built-in SQLite Viewer. Ability to save the queries created by the wizard and then run them again when the same application is encountered in other extractions. • Capability to match files extracted against Hash Databases and it should have built-in support for Project VIC and CAID hash databases. • Capability to allow user to include Case ID as well as other relevant case-related information as part of the extraction report and allow filtering based on specified date range. • Support viewing of all locations on a single map. Enable viewing of extracted locations using offline maps even without an Internet connection with an option to connect to offline maps from a shared central location. • Support viewing of text files including file information, content, and Hex. • Ability to generate and customize reports in different formats e. g. PDF, HTML, XML, Excel and Word. Global setting to select/unselect items in a report with ability to password protect the reports. • 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. Support exporting of selected emails to EML format. • Support hash verification to ensure the extraction decoded is the same extraction received from the device. • Option to adjust the timestamp according to the time zone and offset setting on the device. • Should provide a file format viewer which allows users to view, search and copy readable content from various file types like plist, bplist, etc. • Capability to extract Google advertisement ID (AD-ID) on advanced logical extraction and iOS advertisement ID on iPhones. • Allow playback of WhatsApp audio files in analysis software. Provide indication of reply for WhatsApp messages in application and reports generated. • Support decoding and review of secret messages from Facebook Messenger in Android, with support for vanish mode (self-destructing messages).

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Sl. No	Items	Qty.	Minimum technical specification required
			• Support for parsing WhatsApp's disappearing messages and iOS "view once" media. Support for parsing of Signal iOS messages which were set to self-destruct at a specified date-time. Support for parsing WhatsApp messages received while the device was locked and not yet written to main WhatsApp database. • It should be possible to validate the image hash directly from the software GUI. • Ability to extract memory from Samsung devices to decrypt Samsung Health DB and support for Samsung Digital Wellbeing. • Decrypt and decode location information from Samsung Rubin service. • Support Samsung browser passwords and allow user to review the decrypted password data of the device owner. • Ability to parse the artifacts supported by iOS Biome service like wireless connection artifacts and device events like airplane mode status, lock status, orientation change plugged-in status, location and notes content. Support for decoding of Snapchat stories to get location and media files uploaded by the user. • The software should support the following decoding capabilities: ✓ Decode the powering events, decode Samsung password manager and Samsung locked notes ✓ Decode iOSCashApp 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.

TECHNICAL SPECIFICATIONS FOR STATE ACTION PLAN 2026-2027 UNDER ASUMP SCHEME

Sl. No	Items	Qty.	Minimum technical specification required
			✓ Decoding of Berlaivx files • Keyword search capability to search within the decoded data and also in the contents of the files such as docx, pds, xls, DB, txt, plist and XML which are present in the extracted device. Cloud Data Extraction Capability • Should allow access to remote cloud data sources to obtain, decode, save and perform analysis of this data. • There should be a single software interface in which users can review device data and cloud data through a single tool and with a unified experience, for a seamless and simplified review process. • The data from the cloud sources should be from the 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 allow access to remote cloud data sources using cloud login keys from mobile devices supporting iOS and Android. It should also identify & leverage cloud tokens & passwords from computer & browser to expand available cloud sources to investigate. • Support extraction of different content types from the data sources which includes messages, images, videos, files, contacts, calls, user profile, locations, user activities and backups. • 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. • 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. • Capability to create cloud tokens from manually entered credentials for future cloud extractions. • Allow extraction of Facebook location history data to provide information about location of a device or account. • 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 particular case. • The media classification capability should be based on machine learning to automatically identify media files related to 35+ 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).

TECHNICAL SPECIFICATIONS FOR STATE ACTION PLAN 2026-2027 UNDER ASUMP SCHEME

Sl. No	Items	Qty.	Minimum technical specification required
			• 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. • 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. • Ability to validate data artifacts from iCloud data, iCloud drive, iCloud Photos, iCloud keychain, google contacts, calendar, task and photos. Support WhatsApp Google backup allowing extraction of WhatsApp backups using a Google User account, password and a mobile device. • Support extraction of Samsung backup files, including photos, calls, messages and notes. • 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. Also allow extraction from a variety of remote cloud data sources using known username and password. • Support 2FA authentication when accessing cloud data using username and password for at least Facebook, Google, Twitter and Dropbox. • 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. • 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. • Support downloading of WhatsApp&Viber cloud backup from iCloud and Google Drive. WhatsApp data download should also work for iCloud with 2FA. • 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. • Should automatically collect and hash digital evidence such as media files. • Support Google's backup and extraction features saved notes on Google Keep, Google My Activity, Google passwords, Google recent devices from Google servers. • 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 allow to password protect the reports.
4.	AMPED FIVE	1 no.	1. MUST have at least 140 different filters to enhance and process images and video files. 2. MUST be a single stand-alone system protected by a USB dongle or by a digital license. 3. MUST be able to decode video files with these codec frameworks: FFmpeg, FFMS, FFMS with Audio, DirectShow, VideoForWindows, QuickTime (if installed on the system). 4. MUST be able to bookmark frames and filters and customize

TECHNICAL SPECIFICATIONS FOR STATE ACTION PLAN 2026-2027 UNDER ASUMP SCHEME

Sl. No	Items	Qty.	Minimum technical specification required
			their names, description, and folder. 5. MUST be able to convert and export videos in proprietary formats, most of them without transcoding. Must support one or more variant of (at least) these formats: Milestone .xml/.pqz, USBPlay archive, 000, 001... up to 099, 264, 264001, 400, 600, 787, acsm, aira, ajp, ami, amv, aov, arv, ary, asf, asx, av, ava, av3, avc, avd, ave, avf, avi, avr, avs, awlive, bdb, bes, bfs, bin, bix, blk, bms, body, box, bpv, bu, bvr, bwm, bwv, cam, cbf, cme, cx3, d, da, dar, dat, data, dav, db, dbx, dce, dcr, dga, djp, dmd, dmi, dmskm, dpv, drv, dv4, dv5, dvr, dvs, dvt, dxa, e, edr, eds, ethe, evf, exe, exp, eye, ezvp,, fl4, flm, g64, g64a, g64x, gbf, gop, h263, h264, h265, h64, har, hav, hevc, hgd, hik, hkv, hme, hvs, icf, ifs, igd, ifv, image, imf, img, imp, irf, iva, ivf, jdr, kvf, jv, k26, l64, lvf, lwx, lxf, m2t, m2ts, m2v, m4v, m65, master, max, media, mgv, mjp, mjpg, mkv, mod, mov, mp4, mpc, mpg, mpg2, mrd, mts, mul, mva, mxg, noext, nov, n3r, nr3, nvf, nvr, omv, par, pef, pic, pns, ps, psf, psx, pvf, pw3, qbx, raw, re4, rec, rgm, rms, rmv, rsv, s, sm, sdc, sdr, sdv, sec, shv, ssf, strg, stw, svs, synav, tav, teb, tmp, ts, tvr, ubv, umv, v, v264, vcr, vdd, vdx, vfs4, vid, video, video.data, vision, vls, vmf, vp6, vse, vmhrcd, vsr, webm, wmv, wnm, wsb, xba, xpa. 6. MUST support any standard video format (avi, mp4, mkv, flv, 3gpp, wmv, mov...), also without the need of the codec installed on the system. Expandable by system codecs. 7. MUST be able to perform the batch conversion of multiple video files, even if they have different file extensions and/or are distributed across different folders. 8. MUST support any standard digital image format (i.e., jpeg, tiff, png, bmp, targa, tiff, jpeg2000, heif...) as well as at least one variant of the following ones: ico, gif, dcm, emf, eps, pcd, psd, xpm, 3fr, ari, arw, srf, sr2, bay, cr2, cr2, cap, iiq, eip, dcs, drf, k25, kdc, dng, erf, fff, mef, mos, mrw, nef, orf, ptx, pxn, R3D, raf, raw, rw2, rwl, dng, rwz, x3f, wbmp, webp. 9. MUST be able to organize loaded images and videos in folders, possibly nested. 10. Must support Undo/Redo actions. 11. MUST support GPU-accelerated encoding when trans coding videos with the H264 and H265 codec for conversion, either with CUDA or Intel Quick Sync Video. 12. MUST be able to load more videos all at once. 13. MUST be able to concatenate, extract the timestamp and de multiplex some proprietary video files during conversion. 14. MUST be able to track areas or target of interest (such as people or objects) through static, dynamic, manual, and key frame-based tracking. MUST allow the copy of tracking data among multiple annotations so that they have matching movements when following a target. 15. MUST be able to display frame type (I, P, B) for video files. 16. MUST include a standard installer 64-bits version of the program and the user can switch freely between the two. 17. MUST allow for all operations performed by the user to be logged on a text file, together with system info and other critical

TECHNICAL SPECIFICATIONS FOR STATE ACTION PLAN 2026-2027 UNDER ASUMP SCHEME

Sl. No	Items	Qty.	Minimum technical specification required
			information. The feature can be optionally disabled. 18. MUST be integrated with Milestone X Protect server, connecting to the server and playing the exported images without prior conversion. 19. MUST be able to load a subtitle file (in SRT or SMI format) and renders its text on the video. 20. MUST be able to export the current video frames to a PDF with the number of images per page and paper size configurable by the user. 21. MUST be able to export the original video/image as well as the processed one. If the chosen output codec for exporting a video is H264, different quality options are available. 22. MUST be able to export the audio stream of a video if present. 23. MUST be able to select only the Intra-coded Frames of a video (I-Frames). 24. MUST have the project format in a simple and readable text which instructs the system on the filters and parameters to apply on specific files. 25. MUST be able to import a project folder originally exported by Amped Replay. 26. MUST provide the automatic generation of a report and MUST contain all the scientific methodology and details of the processing steps, settings, and the bibliographic references to the algorithms in HTML, PDF (optionally protected) or DOC format. 27. MUST allow for report generation in several different paper sizes. 28. MUST provide different report templates and MUST allow the creation of customized templates too. MUST also allow for customization of destination folder and filename of the report. 29. MUST provide volume and mute controls when audio is enabled. 30. MUST allow for audio hearing when navigating the video frame by frame. 31. MUST support multichannel audio for some formats. 32. MUST be able to redact audio. 33. MUST be able to add an audio stream to a video. 34. MUST be able to support audio-video synchronization, adding or subtracting a delay to an audio stream. 35. MUST be able to automatically add black frames when the audio track is longer than the video stream. 36. MUST have an automatic callback of three different analysis tools (MediaInfo, ExifTool tool and FFprobe) to quickly analyze and compare the digital information of image and video files. 37. MUST be able to perform file analysis frame by frame, reporting detailed information about each frame and allowing to filter the results by frame type (video, audio, other data). 38. MUST be able to perform video mixer overlays or display two different videos side by side. 39. MUST support synchronization of video streams and similarity metrics computation. . MUST be able to merge the audio and video streams from different filters. MUST be able to put in sequence or side by side multiple videos, MUST allow synchronizing the videos playback.

TECHNICAL SPECIFICATIONS FOR STATE ACTION PLAN 2026-2027 UNDER ASUMP SCHEME

Sl. No	Items	Qty.	Minimum technical specification required
			41. MUST be able to apply the Picture in Picture effect to display a small image or video over a larger one. 42. MUST be able to convert a video with juxtaposed fields into an interlaced video. 43. MUST correct the geometric distortion caused by capturing optics (barrel, pincushion, and fisheye lens distortion). MUST support the selection of multiple lines for the estimation of the curvature to compensate. 44. MUST be able to convert an omnidirectional image into a panoramic one. 45. MUST have a homomorphic filter to adjust separately the contrast of the illumination and detail in an image. 46. MUST have a Smart Adjust filter that automatically adjusts the local contrast and brightness in an image whilst mitigating halo artifacts. 47. MUST be able to correct an uneven illumination in the image using the Retinex algorithm. 48. MUST have a color deconvolution filter to maximize the differences between specific colors in the image. 49. MUST be able to perform component separation to separate signals due to different informative components in the image. 50. MUST be able to calculate the input file hash code to check data integrity when loading the project. MUST support several hashing algorithms. 51. MUST be able to correct the blur caused by linear motion, even when the motion parameters change between frames. 52. MUST be able to correct the blur caused by wrong focus. 53. MUST be able to correct the blur by non-linear motion defined by the user. 54. MUST be able to correct the blur caused by air turbulence on long distances or by high ambient air temperature/humidity. 55. MUST be able to align the perspective of different images of the same object, taken from different points of view. MUST support any kind of motion (shift, rotation, zoom, perspective changes). 56. MUST be able to perform automatic perspective stabilization of the same object taken by different angles. 57. MUST be able to visualize the macroblock type and motion vectors from a MPEG based video. 58. MUST have a super resolution feature that MUST generate a single higher-resolution image by merging all the frames with subpixel motion estimation, even with different perspectives. 59. MUST be able to stabilize a video focusing on an object with either static, dynamic or manual tracking. 60. MUST be able to stabilize a shaking video automatically. 61. MUST be able to adapt the video frame rate by duplicating or dropping frames retaining the original speed. 62. MUST be able to perform video redaction to pixelate, darken or blur an area of interest in a video (for privacy reasons, witness protection, or sensitive subjects). 63. MUST support different tracking methods (either manual, software assisted or keyframe-based) and inverse selection.

TECHNICAL SPECIFICATIONS FOR STATE ACTION PLAN 2026-2027 UNDER ASUMP SCHEME

Sl. No	Items	Qty.	Minimum technical specification required
			64. MUST be able to annotate images or videos with arrows, shapes, freehand drawings, magnification and spotlight effects. Each annotation MUST be able to track a specific target (manually, with software assisted tracking, or by setting keyframes). It MUST be possible to set a different color for each annotation, also by using an eyedropper tool to pick color from image pixels. 65. MUST support for visual hints and snapping, to assist the user to align annotations. 66. MUST support the grouping of annotations. Grouped annotations MUST be able to track object together. 67. MUST be able to freeze a selected frame for a set amount of time. 68. Must be able to create an empty video showing a colored frame or a still image for a specified time. 69. MUST be able to display subtitles on the video frames with customizable font, color, size and position. 70. MUST be able to indicate date and time for the current frame and font, color, size and position MUST be customizable. 71. MUST be able to superimpose a grid onto the image or video which is useful for compression estimation and other analysis. 72. MUST be able to play back the video in the reverse direction. 73. MUST be able to take a measurement on the image with a reconstruction model of the perspective. MUST support error calculation. 74. MUST be able to estimate the speed of an object that is moving over a flat surface. MUST support uncertainty calculation. 75. MUST be able to copy the evidence files stored in an external removable device, verifying the match between the source hash codes and the destination hash codes in order to check the integrity for a safe acquisition. MUST generate an automatic report/log of the action performed. 76. MUST be able to directly load the securely copied multimedia files into the software. 77. MUST be able to add the information related to the secure copy into the report of the project. 78. MUST support playback of variable frame rate video based on presentation timestamps. 79. MUST support playback speed based on timestamp values. 80. MUST allow adding, shifting, interpolating and refining timestamps. MUST also allow for region selection and tracking in the filter options. Others (maybe less important) 81. MUST be able to reduce the blocking artifacts caused by JPEG compression. 82. MUST have multiple denoising, sharpening and intensity adjustment filters. 83. MUST be able to invert and replace the color channels of an image with another. 84. MUST be able to process and optionally record live video from a DirectShow compatible source. 85. MUST be able to load multiple images together to work on them as if they were frames of a single video file.

TECHNICAL SPECIFICATIONS FOR STATE ACTION PLAN 2026-2027 UNDER ASUMP SCHEME

Sl. No	Items	Qty.	Minimum technical specification required
			86. MUST include a special seek function which allows to move on user specified intervals based on units of (frames, Iframes, or different time units). 87. MUST be able to send, with a single click, the current image to Word, PowerPoint or copy it onto the clipboard for pasting in any other tool. 88. MUST have the notes panel always available on screen and the notes MUST be automatically saved with the project. 89. MUST have the ability to integrate screen capture with the option to save standard uncompressed video files for maximum quality and compatibility. 90. MUST be able to view, grab and process any stream coming from a DirectShow compatible device. 91. MUST include more than 50 different sample projects and files to learn how to apply the software in numerous situations. 92. MUST be able to select frames of the video within an interval with an optional frame step. MUST support the trimming of the original video stream without transcoding. 93. MUST be able to select a list of frames that are defined by the user. 94. MUST allow to correct the perspective of objects in an image (e.g., rectifying a license plate). 95. MUST be able to reduce the noise integrating current and previous frames and avoiding halos on moving objects. 96. MUST be able to put side by side the original and the processed image. 97. MUST be able to add logos, text with dynamic macros and shapes on images and videos. MUST allow users to validate results by automating the pixel verification of processed images and videos between projects created using different versions of the software and/or different host computers.
5	AMPED AUTHENTICATE	1 no.	1. MUST have at least 40 analysis filters with optional user-customizable configuration and post-processing parameters (levels, scale to enhance the displayed image). 2. MUST be compatible with all the most common image formats and many of the uncommon ones too: BMP, GIF, JPEG, JPEG 2000, Tiff, PNG, TGA, Ico, Dicom, EMF, EPS, Photo PCD, XPM, PSD, HEIF, AVIF and Raw camera formats from most manufacturers. 3. MUST be compatible with all the most common video formats (MP4, MOV, MKV, 3GP). 4. MUST allow the image, video or project loading by means of drag and drop onto the GUI. 5. MUST automatically apply all filters to one image or all images in a folder and include support for nested folders. 6. MUST generate an automatic output image and report with all processing results on one or more images and the user is able to customize the output image size and custom destination folder. 7. MUST be able to create and save projects. 8. MUST be able to generate a project report in HTML, PDF (optionally protected) or docx. format.

TECHNICAL SPECIFICATIONS FOR STATE ACTION PLAN 2026-2027 UNDER ASUMP SCHEME

Sl. No	Items	Qty.	Minimum technical specification required
			9. MUST perform a quick automatic analysis of the format of all images in a folder to find suspicious files (triage). 10. MUST export a multiple image file format analysis results table directly to Microsoft Excel for further processing. 11. MUST display image and video location in Google Maps. 12. MUST search for similar images on Google Image, starting from the evidence image or video frame. 13. MUST be able to check sun position for image or video location and date on Suncalc. 14. MUST search for images from a specific camera model on Flickr and support advanced image features filtering. 15. MUST search for images from a specific camera model on Camera Forensics and support advanced image features filtering. 16. MUST extract JPEG images embedded in any file type (images files, PDF, PPT, DOC, disk image...) for questioned document authentication support. MUST be able to automatically load into the program the images extracted from the PDF. 17. MUST be able to perform customization of all the criteria for evaluating the camera original files. 18. MUST be able to check whether the image likely comes from a known social media platform. 19. MUST be able to make the filter's label appear in red, if the analysis of an image detects signs of manipulation. 20. MUST be able to display / compare main JPEG markers. 21. MUST have integrated hexadecimal viewer with search capabilities. 22. MUST display / compare JPEG Huffman Tables of the main image, embedded thumbnail, and preview. 23. MUST perform analysis of the color space usage of the image in the HSV and Lab coordinates to help spot excessive color adjustment. 24. MUST identify manipulated areas of the image based on DCT-domain analysis of aligned double JPEG quantization artifacts (ADJPEG). 25. MUST identify manipulated areas of the image based on DCT-domain analysis of non-aligned double JPEG quantization artifacts (NADJPEG). 26. MUST identify manipulated areas of the image based on the joint analysis of JPEG Ghosts Map, Blocking Artifacts, ADJPEG and NADJPEG. 27. MUST perform automatic identification of tampered areas of the image by comparison with the PRNU reference pattern of the image. 28. MUST run the PRNU analysis with images and video frames (within the technical limitations) and MUST compare two different camera reference patterns. MUST be able to extract video frames for generating the camera reference pattern file, without using external tools. 29. MUST include a PRNU video tampering tool. 30. MUST be able to perform VPF (Variation of Prediction Footprint) Analysis to detect whether a video was encoded twice during its life cycle. 31. MUST identify similar areas of the image that can be the result

TECHNICAL SPECIFICATIONS FOR STATE ACTION PLAN 2026-2027 UNDER ASUMP SCHEME

Sl. No	Items	Qty.	Minimum technical specification required
			of cloning. 32. MUST identify groups of similar points in the image that can be the result of cloning. 33. MUST be able to detect faces in the image and classify each face as being a deep fake generated by a GAN (Generative Adversarial Network) or not. 34. MUST be able to detect synthetic deep fake images generated by Diffusion models such as Stable Diffusion, DALL-E, Mid journey. It MUST provide a confidence score for each Diffusion Model class examined. 35. MUST check the consistency of cast and attached shadows in an image. 36. MUST support bookmarking output images and MUST support drawing graphical annotations on bookmarked output images. 37. MUST allow to copy annotations from one bookmark to another. 38. MUST allow to inspect the macro blocks type and their compression level in videos, and MUST allow the generation of a customizable plot. 39. MUST allow to inspect the coding details of a video at the frame level (PTS data, decoding and display frame order, packet size). 40. MUST allow computing the pixel hash of all frames in a video and export it to TSV format. 41. MUST allow visualizing blocks that remained unchanged between consecutive frames, and MUST allow the generation of a customizable plot. 42. MUST allow extracting and displaying a specific color channel of an image or a video. OEM: Amped Software Cost Discovery: From approved distributor for India
6	CELL ID EXTRACTOR	1 no.	1. A self contained system integrating hardware and software to scan and determine cell IDs across various network technologies (2G,3G,4G, and5G)within a designated area, such as an incident location or cell site. 2. The device should allow investigators to take readings of multiple service GSM, WCDMA, LTE, NR 5G providers simultaneously. 3. Completely integrated with a minimum 10-inch. 4. Device with processor I5 and 7thGeneration motherboard or equivalent. 5. Device with minimum 256 GB SSD, 8 GB RAM, Wi-Fi, Bluetooth, 4xUSB Port, 1 LAN Port, 1HDMI and 1 VGA Port etc. 6. Minimum 10-inch display Inbuilt device. 7. The device should run without external power supply and run by internal battery backup at least 5 hours. 8. The softwareattachedwithdeviceshouldhaveapaneltoshowinformatio likeMCC,MNC,LA C, CELL ID, Signal Strength of Cellular sites. 9. Collect cell Id information directly from cell towers not from

**TECHNICAL SPECIFICATIONS FOR STATE ACTION PLAN 2026-2027
UNDER ASUMP SCHEME**

Sl. No	Items	Qty.	Minimum technical specification required
			database. 10. Display on screen live collected cell Id's in real time during the collection process 11. Each spot readings of multiple towers should take a maximum of approximately 1 or 2 minutes. 12. Capture continuous readings along the route to and from the crime scene, displaying current location latitude and longitude on a map in real-time. 13. Minimum two sets of cell Id's reading per KM of route from all service providers. 14. Equipped with GPS with ability magnetically to metal surfaces such as the roof of police van. 15. The device should take continuous reading along routes to and from the exact location. 16. Able to operate the solution in the vehicle or at location without power supply. 17. The device should work without SIM. 18. The company should provide necessary operational training remotely or premises. 19. Warranty 1 year for each device & support for entire solution including updates, as per buyer's Requirements through remotely. 20. Unlimited upgrade of software version within support period. 21. Should provide necessary Software, Library and User Interface with all patches and Updates for perpetual time period as per user request. 22. Live scanned cell id data would be display on MAP with the help of uploaded operator cell id data from data base in software. 23. It's compatible device should be windows 10 or Windows 11 Operating System. 24. GPS location data should be display on MAP. 25. Live scanned Data should be send on E-mail. 26. Operator data filtration should be available in software, operator wise or 2G/3G/4G/5G. 27. Hardware dimension: 243x169x30mm (LxWxH).


(VANLALFAKA RALTE) DIGP (Mod)¹
for Director General of Police
Mizoram, Aizawl

TENDER FORMAT
TENDER FOR PURCHASE OF EQUIPMENTS FOR
MIZORAM POLICE

1. NAME OF THE FIRM : _____
2. CORRESPONDENCE ADDRESS
WITH TELEPHONE AND FAX NO : _____
3. LOCAL ADDRESS WITH TELEPHONE
AND FAX NO. : _____
4. WHETHER REGISTERED WITH NSIC
/ DGS&D IF YES ATTACH COPY : _____
5. GST REGISTRATION & GST
CLEARANCE CERTIFICATE : _____
6. COPY OF AUTHORISED DISTRIBUTOR
/ DEALERSHIP/MANUFACTURER : _____
7. SPECIFICATIONS OF THE SYSTEM
ALONGWITH LITERATURE/BROCHURE: _____
8. APPLICATION FEE : _____
9. EARNEST MONEY DETAIL : _____
10. COPY OF TERMS AND CONDITION
DULY SIGNED : _____

SIGNATURE OF THE TENDERER
WITH STAMP.

ANNEXURE - II

PROFORMA FOR TECHNICAL BID

(Enclose with technical bid)

TENDER FOR PURCHASE OF EQUIPMENTS FOR MIZORAM POLICE

Name of item :

Date of opening.....

Time Hrs.

We _____ hereby certify that we are established manufacturers/authorized representatives of M/s _____ with factories at _____ which are fitted with modern equipment and where production methods, quality control and testing of all materials manufactured or used by us are open to inspection by the representative of the purchaser. We hereby offer to supply the following items as per specifications indicated below :

Sl. No.	Description of work/ item	Unit	Qty.	Make & Model	Technical specifications	Supporting documents
<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>
1.						
2.						
3.						

It is hereby certified that we have understood all the terms and conditions specified in the tender document and are thoroughly aware of the nature of job required to be done and goods/items to be supplied. We agree to abide by all the tender terms and conditions.

We hereby offer to carry out the job and (or) supply the goods/items detailed above or such portion(s) thereof as you specify in the notification of award.

(Signature and seal of Bidder)

Dated: _____

PROFORMA FOR PRICE SCHEDULE

(Enclose with commercial bid)

TENDER FOR PURCHASE OF EQUIPMENTS FOR MIZORAM POLICE**Name of item :**

Date of opening.....

Time Hrs.

We _____ hereby certify that we are established manufacturers/authorized representatives of M/s _____ with factories at _____ which are fitted with modern equipment and where production methods, quality control and testing of all materials manufactured or used by us are open to inspection by the representative of the purchaser. We hereby offer to supply the following items at the prices indicated below :

Sl. No.	Description of work/ item	Unit	Qty.	Unit Price In Indian Rupees	Extended Price In Indian Rupees	GST in Indian Rupees		Other Govt. Levies, if any (To be specified)	Incidental charges, if any (To be specified)	Price per unit (Column d+g+h+i)	Total Price FOR Destination In Indian Rupees
						%	INR				
<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i</i>	<i>j</i>	<i>k</i>	<i>l</i>
1.											

It is hereby certified that we have understood all the terms and conditions specified in the tender document and are thoroughly aware of the nature of job required to be done and goods/items to be supplied. We agree to abide by all the tender terms and conditions.

We hereby offer to carry out the job and (or) supply the goods/items detailed above or such portion(s) thereof as you specify in the notification of award.

(Signature and seal of Bidder)

Dated: _____

CHECK LIST

Sl. No.	Type of Document	Details	Yes / No
A	<u>DOCUMENTS REQUIRED TO BE ATTACHED WITH TECHNICAL BID</u>		
1.	E.M.D. in favour of Director General of Police, Mizoram, Aizawl - 796001	Name of Bank : _____ In the form of _____ amounting to ₹ _____ or Certificate regarding registration with DGS&D, NSIC if claim EMD exemption as the case may be	
2.	GST Registration Certificate	Attach self-attested Copy of GST registration or GST Exemption Certificate as the case may be.	
3.	Authorization letter / certificate	Copy of OEM certificate/authorized distributorship/dealership.	
4.	Signed copy of T&C	Copy of terms and conditions duly signed with seal of the firm, in token of acceptance of terms and conditions.	
5.	Application fee	Receipt or demand draft for who have downloaded from the website as the case may be.	
6.	Declaration	Declaration that bidder has not been blacklisted by any Govt. agency within Mizoram and abroad during last 5 years.	
7.	Service & Support	Documentary proof of having Functional Service Centre. Dedicated/toll free telephone number for service support.	
B	<u>DOCUMENTS REQUIRED TO BE ATTACHED WITH COMMERCIAL/PRICE BID</u>		
1.	PRICE BID shall contain price only and no other documents shall be enclosed with the price bid.		

SIGN. OF TENDERER _____

NAME IN BLOCK LETTERS: _____

FULL ADDRESS : _____

SEAL

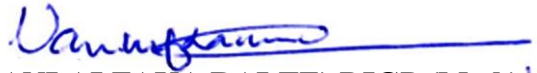
GOVERNMENT OF MIZORAM
POLICE HEADQUARTERS : AIZAWL
EPABX : 0389-2335225 (O) (Intercom-270)
Email : aigpmodmz@gmail.com

No.B.13011/PHQ/PROV/SAP/FE/26-27/75 : Dated Aizawl, the 10th Aug, 2026.

NOTICE INVITING TENDER

Sealed quotations are hereby invited for supply of Equipment for Mizoram Police from bonafide manufacturers / authorized dealers. Tenders will be received upto **9.9.2026** at 1200 hrs. and will be opened on the same day at 1:00 PM.

Details of the above items, terms and conditions can be had from the office of the undersigned during office hours or Police Website **www.police.mizoram.gov.in**


(VANLALFAKA RALTE) DIGP (Mod.)
for Director General of Police
Mizoram, Aizawl