



**GOVERNMENT OF ARUNACHAL PRADESH
OFFICE OF THE DIRECTOR GENERAL OF POLICE
POLICE HEADQUARTERS: ITANAGAR**

NO.PHQ (PROV)- 14/2025-26

Dated Itanagar, the 04th November, 2025.

TENDER NOTICE – CUM – TERMS AND CONDITIONS

On behalf of the Governor of Arunachal Pradesh, the Director General of Police, Arunachal Pradesh invites Sealed Tender under two-bid system (Technical Bid & Financial Bid) from manufacturers, authorized agents, dealers, or suppliers of reputed firms for entering into a contract for the supply & installation of ABIS (Automated Biometric Identification System) for FPB (Finger Print Bureau), FSL, PTC, Banderdewa during the year 2025-26 for Arunachal Pradesh Police. For details please visit our website-www. arunpol.nic.in.

1. Description of items to be procured / Approx. Cost of tender / Earnest money required etc.:

SL No	Description of items to be procured	Approx. Cost of tender	Earnest money required	Tender Fee (Non-refundable)
1.	Procurement & installation of ABIS (Automated Biometric Identification System) for FPB (Finger Print Bureau), FSL, PTC, Banderdewa during the year 2025-26 for Arunachal Pradesh Police. (items details along with specifications attached at Annexure- "A")	Rs. 87,00,000/- Note: The tendered items represent the entire scope of the project. Please quote a single consolidated rate for the whole project.	Rs. 1,75,000/-	Rs. 1,000/- Note: To be deposited through egras Portal of Govt. of Arunachal Pradesh in favour of AIGP (E), PHQ, Itanagar under the Head of Account "0055-Police".

2. Critical date sheet:

Sl.	Particulars	Date	Time
1	Date of publication of Tender	11/11/2025	
2	Bid submission start date	From the date of publication onward	
3	Bid submission end date	03/12/2025	1100 hrs
4	Submission of Tender fees (cost of tender documents)	Tenderers who wish to obtain tender document from PHQ, Itanagar, must submit a copy of challan paid through the eGras Portal of Govt. of Arunachal Pradesh in favour of AIGP (E), PHQ, Itanagar.	
5	Date of Technical bid opening	03/12/2025	1130 hrs

A

3. **The Tender documents must be provided in two (02) covers:**
4. **Cover-1 (Technical BID):** It shall contain scanned copies of eligibility information as under:
- (a) Technical bid along with its specifications leaflet, brochure, catalogue / literature, if any, of each tendered item.
 - (b) Tender documents duly completed and signed but without any indication of the rates "Quoted".
 - (c) Earnest Money must be attached in the form of TDR / FDR / Demand Draft / NSC / KVP etc. from Nationalized Bank / Post offices duly pledged in favour of Asstt. Inspector General of Police (E), PHQ, Itanagar. The firms registered under MSME are exempted for earnest money. They must submit copy of registration certificate of MSME pertaining to the tendered items.
 - (d) Attested copy of PAN.
 - (e) Attested copy of firm registration.
 - (f) Attested copy of firm GST Registration.
 - (g) Valid Trading license issued by competent authority for the tendered items.
 - (h) Current and valid Certificate/ Letter of authority from the Original Manufacturer.
 - (i) Latest Financially soundness certificate / Bank Solvency Certificate.
 - (j) Undertaking letter about non-blacklisting of the firm.
 - (k) Any other relevant document which the firm wishes to submit.
 - (l) All the tender papers must be serialized / numbered, and an index / checklist must be submitted at the beginning of the tender papers indicating the pages of the relevant documents. Tender without index / checklist shall be summarily rejected.
 - (m) Technical compliance statement should be enclosed along with the technical bid, clearly specifying and deviation, if any for all specifications mentioned in the tender.
 - (n) 10 (Ten) years service and spare parts support after the warranty period should be provided on a payment basis. In this regard, an undertaking must be submitted by the participating firms.
5. **Cover-2 (Financial BID):** It shall contain documents on "Financial Bid". Financial bid shall be opened only of those bidders who have been declared technically qualified by the technical committee. The criteria for eligibility and qualifications are to be met by the bidders such as minimum level of experience / past performance (if any), facilities and financial position etc. The date of opening of "Financial Bid" will be intimated to the firms which will be found qualified in technical compliance statement in due course of time.

GENERAL INSTRUCTIONS:

1. The tenders received after scheduled date & time will not be entertained. The tenderers or their representative may remain present at the time of opening of tenders.
2. Rates must be clearly written in figures as well as in words, showing GST Separately.
3. There should be no cutting or overwriting.
4. The Tenderer / Firm who fails to fulfill the eligibility conditions will be summarily rejected.
5. The Tenderer must clearly mention the origin/ manufacture of the equipment being supplied. In line with Government of India Policies order. Imported items should be declared and categorized appropriately.
6. Import Clearance Responsibilities related to customs clearance, import duties, logistics, and inland transportation shall be borne by the Indian distributor/ dealer.
7. The offered equipment and all related components must comply with relevant Indian statutory, safety and environmental regulations.
8. Firms must submit all documents (as mentioned in cover-1) including the EMD, cost of Tender Documents, to the office of Assistant Inspector General of Police (E), Police Head Quarters, Itanagar, Arunachal Pradesh on or before **03 /12/2025 at 1100 hrs.**
9. In case tender opening day is declared as holiday or bandh call at Itanagar, the tenders shall be received up to next working day till 1100 hrs. and opened on the same day at 1130 hrs.
10. The bidders should keep checking the website for any addendum / corrigendum to the notice/ Bidding documents till the date of submission of bids and the bidder should incorporate the same in his bid documents.
11. Conditional bids and the bids not meeting the qualifying criteria on the date of receipt of bids shall be summarily rejected.
12. Bids will be opened as per time & schedule mentioned.
13. Before submission of bids, bidders must ensure that scanned copies of all necessary documents have been attached with bid.
14. The department will not be responsible for delay in submission due to any reason(s).
15. All the required information for the bid must be filled and submitted.
16. The details of EMD and other documents specified in the tender documents should be same as submitted (scanned copies), otherwise tender will be summarily rejected.
17. **Conditions:** The goal of the ABIS (Automated Biometric Identification System) for the FPB (Finger Print Bureau) project is to complete the design, implementation and installation of the system and to achieve full production operations within 12 weeks after contract award or as soon as technical feasible.

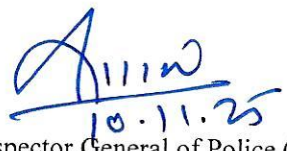


18. If the tenderer who fails to supply the material/ perform the task assigned to him in the purchase order, within the period prescribed for such delivery specified above, the AIGP (E), or other competent authority, shall be entitled at his discretion to the actions as under Graded **liquidated damages** for delay in the delivery of all or any good or performance of services will be liable for as under:
- i. For first 30 days @ 1% of the value of the goods.
 - ii. For next 60 days @2% of the value of the goods.
 - iii. For delay above 2 month/ over & up to 4 months @ 4% of the value of the goods.
 - iv. Beyond 4 months and up to 6 months @5% of the value of the goods & on expiry of 6 months the contract would automatically get nullified and Security Money Deposit would be forfeited.
19. The tender papers containing full details with specifications and terms and conditions can be obtained from Dy. Superintendent of Police (Provisioning), PHQ Itanagar, on showing of Payment receipt of Rs. 1,000/- (Non-refundable) in favour of the Asstt. Inspector General of Police (E), PHQ, Itanagar, Arunachal Pradesh paid through eGras Portal of Govt. of Arunachal Pradesh on any working day from 0930 hrs. to 1600 hrs w.e.f. **12/11/2025 to 02/12/2025**. The tender documents may also be downloaded from our website. The tenderers downloading the documents from website are also required to submit a copy of challan of Rs. 1,000/- as tender fees in favour of the Asstt. Inspector General of Police (E), PHQ, Itanagar, Arunachal Pradesh paid through eGras Portal of Govt. of Arunachal Pradesh. No other mode of payment will be accepted.
20. The technical information provided with the references must demonstrate or support the capability of the proposed technology to satisfy the identification functionality and performance requirements of this solicitation tender.
21. Successful tenderers will be required to deposit 5% of the total value of the articles to be supplied as performance security money within 10 days from the date of issue of letter of acceptance of tender. The successful tenders will have to enter into a "DEED OF AGREEMENT" stipulating the Terms and Conditions of the contract.
22. Non fulfillment of any or all the Terms & Conditions of Contract, performance security deposit and EMD of the successful tenderer will be forfeiture and supply order issued to the firm shall be cancelled.
23. Rates should be quoted F.O.R FSL, PTC, Banderdewa (A.P) and rates quoted other than F.O.R FSL, PTC, Banderdewa (A.P) shall not be accepted. No packing or forwarding charges will be allowed. The rate of GST (as applicable) may be charged/quoted by the tenderers and the amount be clearly mentioned for all items. The rate should be quoted in Indian currency both in figure and words clearly. Tenders must be legible and clear in all respects else the tenders shall be liable to be rejected.
24. Tenders should be addressed to the undersigned by designation and not by name. The separate sealed envelope containing all the tender documents (i.e. two separate Covers (i) Technical Bids and (ii) Financial Bid) should be subscribed as "Tender for supply& installation of ABIS (Automated Biometric Identification System) for FPB (Finger Print Bureau), FSL, PTC, Banderdewa during the year 2025-26 for Arunachal Pradesh Police and sent by Registered Post / Speed Post / Courier Service or put in the Tender Box kept in the office of the undersigned (Provisioning Branch) on any working day from 0930 hrs to 1600 hours. ***The tenders received after scheduled date & time will not be entertained.***
25. Any breakage or loss of items will be at the supplier's risk.

26. Delivery of the stores will have to be completed within 90 days from the date of issue of supply order. In case of failure to supply the items in time, violation of any provision of Deed of Agreement, the firm is liable to be blacklisted.
27. If any item is found damaged or otherwise unacceptable at the time of delivery/inspection, the supplier will be required to remove the same from Central Store, PHQ, Itanagar, Arunachal Pradesh at their own cost within 15 days. The demonstration of the items shall be conducted at the time of acceptance by the Board of Officers. The items not found as per specifications shall be rejected.
28. Payment will be made to the supplier directly on completion of supplies / installation and after acceptance/ inspection by the Govt. constituted Board.
29. The Director General of Police, Arunachal Pradesh, Itanagar reserves the right to reject the lowest or all or any of the tenders without assigning any reason thereof.
30. The Director General of Police of Arunachal Pradesh, Itanagar shall have the right to ask the firms to demonstrate their items before the items are accepted.
31. List of equipments/items with description & specification is enclosed at Annexure- "A". The quantities mentioned in the enclosure are all approximation and subject to variation as per actual availability of funds.
32. Tenders will remain valid up to **31-03-2026**.
33. All items to be supplied shall be under warranty as mentioned in Annexure-A against each items/ equipments from the date of acceptance.
34. In case of any dispute, the legal jurisdiction will be at Itanagar, Arunachal Pradesh.
35. In case of any query, the tenderers may contact at following phone no./mail ID.

Officers	Telephone	E-mail ID
Inspector Chukhu Ter I/c SFPB, FSL, PTC Banderdewa	69013-94081 (Mobile)	arpolice@rediffmail.com .
Sub-Inspector (Prov), PHQ, Itanagar	81190-91663 (Mobile)	arpolice@rediffmail.com .

Note: In view of the Govt. policy of "Vocal for Local" and "AtmaNirbhar Bharat" to encourage local entrepreneurs vide No. FIN/E-30/2017/675 dated 19/008/2020, the firm registered within Arunachal Pradesh can only participate in the tender process.


 Asstt. Inspector General of Police (E)
 Police Head Quarters, Itanagar
 Arunachal Pradesh
 Asstt. Inspector General of Police (E)
 Police Head Quarters Itanagar
 Arunachal Pradesh

Technical Specifications of Automated Biometric Identification System (ABIS) for the Finger Print Bureau (FPB), PTC, Banderdewa for the year 2025-26

Material for Automated Biometric Identification System (ABIS)

SL No.	Item	Required Quantity (in Nos.)
1.	Central ABIS server software with State Central ABIS database with two local ABIS software clients	1
2.	ABIS software clients	3
3.	CCTV Surveillance software with face recognition	1
4.	Automated IRIS recognition software system with dual IRIS scanner enrolment device (Aadhar STQC Iri Universe-Two)	3
5.	Fingerprint Enrolment Device with FED application software	3
6.	ABIS Server hardware with required networking equipment, pre-installed latest compatible Windows OS, MS SQL database, MS Office with Access on servers	2
7.	ABIS workstations with one KVA UPS 15 mins. backup, pre-installed Windows OS and MS Office with Access	3
8.	Printer	1
9.	Web camera	5
10.	5 KVA online UPS	1
11.	Flatbed scanner	4

Automated Biometric Identification System (ABIS) Technical Specifications

The ABIS should be fully compatible with the existing Automated Finger and palm print Identification system at Arunachal Pradesh.

The ABIS should have the following basic components:

- A) Automated Fingerprint and Palmprint Identification System [AFPIIS] with ten-digit fingerprint live scanner
- B) Automated Face Recognition System supporting CCTV footages/videos/photographs with surveillance system
- C) Automated IRIS recognition system with dual IRIS camera



The detail technical specifications of Automated Biometric Identification System (ABIS) with hardware and other accessories:

SL No	Name of Items	Specifications	Quantity
1.	Central ABIS server software with State Central ABIS database with two local ABIS Software clients	ABIS system includes functional, performance and system administration requirements which include Accuracy, Speed, Ease of use, upgrades, inter-connectivity between different system and programs and compatibility with the NAFIS. A detailed specification of requirements for implementation and support services associated with the implementation of the new ABIS including Delivery / Implementation, Conversion / Loading of Existing Records, Training, and Maintenance and Operations Support services. COMPARATIVE CAPABILITIES: Database capacity: Ten prints, chance prints, palm prints, photo images, IRIS images. Identification accuracy- • Ten print, chance print, palm print, facial recognition (indicate where the stated accuracy is supported by benchmark testing). • Identification throughout performance (number of transactions per hour) – ten print, chance print, palm print, facial recognition. • Identification response time performance – ten print, chance print, palm print, facial recognition. Implementation Requirements- The entire system will constitute the following parts having online integration with the central system and PS AFIS system: Finger Prints and photos of the convicted / arrested person and Chance prints from scene of crime will be collected at District Fingerprint Units/Courts which will be communicated to Central Server and will be stored at District RQTs and Central Server. On line receipt of fingerprint data from PS AFIS will also be stored at District RQTs and Central Server. The CCTNS Network will be used for establishing connectivity for transfer of data from Police Stations to District RQT and Central Server State Finger Print Bureau. All the police stations should be able to trigger their query through Chance print / Palm Print / Slap / Rolled / Live Scanner print after using the existing connectivity with District RQT and the result should be displayed in the concerned police station/district RQT. Implementation Services- The awarded bidder will deliver comprehensive management and technical services associated with the implementation of the system, including:	1 set



1. Project Management,
2. System Design, Implementation, Delivery, Installation, Acceptance, Testing and Migration of Operations
3. Complete system Integration and installation commitment of Hardware, Application Software, System Software, 3rd Party Software (if any) etc.
4. Data Conversion and Loading in districts.
5. Bidder will have to submit the training schedule for the officials to be nominated by the Department. During Training all aspects for smooth functioning of this project will be covered including trouble shooting.
6. Operations Support and Maintenance during warranty & AMC period.

System Specifications

AFPIIS Requirements:

A fully functional Automated Fingerprint and Palmprint Identification System (AFPIIS) should have a **Matching Module** which will provide Ten Print, Palm Print, Chance / Latent print search on the following pattern:

The following systems should have compliance with the following Internationals Standards

- (i) NIST Compliance to Data for the Interchange of Fingerprint, Facial, Iris & other Biometric Information ANSI (American National Standards Institute) / NIST- ITL 1-2011).
- (ii) JPEG compression for mug-shot images (ANSI/NIST- ITL 12011).
- (iii) Minutiae and related information encoded from a finger or palm: ANSI/NIST Type-9 (ANSI / NIST- ITL 1-2011).
- (iv) Ten-print Processing: 500 / 1000 ppi ANSI / NIST Type- 4 Images (ANSI / NIST- ITL 1-2011).
- (v) Palm Print Processing: 500 ppi/1000 ppi ANSI/NIST Type-15 Images (ANSI / NIST- ITL1 - 2011, NSI / NIST- CSL1-1993).
- (vi) Electronic Fingerprint Transmission Specification (EFTS).
- (vii) A certified version of the Wavelet Scalar Quantization (WSQ) algorithm as specified by ISTATEAFIS- IC- 0110 (V3.1) for lossy compression of fingerprint images scanned and transmitted at 500 ppi.
- (viii) Finger Image standard as per the ISO / IEC 19794-4.
- (ix) Minutiae Image standard as per the ISO / IEC 19794-2.
- (x) Benchmarked in Slap Finger print Segmentation Evaluation (SlapSeg04) by NIST.

3 Ten Print Matching

- Ten Print to Ten Print Search
 - Ten Print (Roll + Slap =20) to Chance / Latent Print Search
- Ten Print to Both – Ten Print & Chance / Latent Print (Roll + Slap = 20)
Data base Search.

ii. Chance / Latent Print & Unsolved Scene of Crime print matching

- Chance / Latent Print to Ten Print (Roll + Slap = 20) Search
- Chance / Latent Print to Chance / Latent printSearch



		• Chance / Latent Print to Both – Ten Print (Roll + Slap = 20) & Chance / Latent print Database iii. Palmprint • palm print to palm print search. iv. Search • Finger / Palm Chance / Latent to All – Ten Print (Roll + Slap = 20), Chance / Latent, Palm Print & Chance / Latent Palm print Database Search. Warranty- 3 years.	
2	ABIS software Client	The ABIS clients will be equipped with: 1. AFPIS component to process fingerprints, palms and mugshots (faces) using FED for capturing live fingerprints, inked palmprint images, web camera for face and IRIS scanner for capturing dual IRIS. 2. The ABIS client should be able to perform matching of all four biometrics i.e. Finger, Palm, Face, IRIS 3. The client should be able to communicate with Central ABIS as well as generate NIST files to be communicated to NCRB NAFIS 4. The ABIS client will use the CCTNS network established in the state for transmission of data. 5. Warranty- 3 years.	3 sets
3	CCTV Surveillance software with Face Recognition	1. The system is envisaged to have searchable image database of missing persons, unidentified found persons, unidentified dead bodies and criminals based around dynamic police databases. The image will also have meta-data like name, age, addresses etc. and special physical characteristics. 2. Matching of still image of suspect against the Arunachal Pradesh Facial database of face templates from existing apps / applications being used by the Arunachal Pradesh Police. 3. The existing apps/applications will enroll / search image / video (recorded video footage related to scene of crime) the above database in 1:1, 1:N, N:N combinations and returning customized results to operators of existing apps/applications. 4. The solution should be customizable / scalable by the solution provider as per the requirements of Arunachal Pradesh Police. 5. System should be capable of handling photos/ videos available in physical as well as digital form. 6. The system should have pre-processing capability to improve the quality of image and matching results. 7. The system shall provide matching functions on images / visuals of modified facial features like, plastic surgery, aged Images, bearded faces, makeup, expression, hairstyle, glasses, scar marks, tattoos, face mask etc. 8. The system should provide authorization of users for search, matching, linking, and verification etc. of facial images.	1 set



		9. The vendor would be required to integrate the proposed system with existing AFRS systems like CCTNS, ICJS, and NAFIS. 10. Warranty- 3 years.	
4	Automated IRIS recognition software system with dual IRIS scanner enrolment device (Adhar STQC IriUniverse-Two)	1. Device type (characteristics): Stationary / handheld / hand held with alignment. 2. Iris Diameter (in pixel): >210 pixels. 3. Spatial Resolution and Pixel Resolution: > <u>60% @ 4.0lp / mm</u> and > 16 pixels / mm. 4. # of simultaneous captured eyes: Two (2). 5. View finder: External or internal. 6. Capture distance: > 50 mm. 7. Capture volume (depth / width / height): Handheld (Internal): 20 x 15 x12 mm. 8. Exposure time: < 33 mS. 9. Imaging wave length: 700–900nm. 10. Spectral Spread: Power in any 100nmb and > 35 % of total power. 11. Scan type: Progressive Scan type. 12. Image margins: Left & right: 0.50 x iris Diameter Top & bottom: 0.25 x iris diameter. 13. Pixel depth: Greater than or equal to 8 bits / pixel. 14. Greater than or equal to 8 bits / pixel: > 5 frames / sec, continuous image capture. 15. Capture mode: Auto capture with built-in quality check (incorporates NIST quality considerations). 16. Sensor signal to noise ratio: > 36 DB. 17. Connectivity: USB2.0, USB- If verified. 18. Power: USB or independent power supply. 19. Weight: Less than 1kg (for hand held). 20. Dimensions: Max 220 x 200 x 100mm. 21. Operating temperature range: 0 to 49 deg C. 22. Operating humidity: 10 – 90 % non-condensing. 23. Durability / Shock resistance: IP 54. 24. Warranty- 3 years.	3 sets
5	Fingerprint Enrolment Device with FED application software	1. Capture Mode: Rolled and Plain live scan capture. 2. Image acquisition Requirements: Setting level 31 or higher (Section 9.1 of Biometric Design Standards for UID Applications V1.0). 3. Image evaluation Frame rate: > 3 frames / sec, continuous image capture. 4. Capture mode: Auto capture with built-in quality check (incorporates NIST QUALITY CONSIDERATIONS). 5. Capture area: > 76 mm x 80 mm. 6. Connectivity: USB 2, USB-IF Certified. 7. Power: Through USB. 8. Dimension (W x H x D): <160 mm x 160mm x 160 mm>. 9. Weight: Maximum 2.5 Kg.	3 sets

10. **Operating temperature:** 0–50C.
11. **Humidity:** 10–90% non-condensing.
12. **Durability/ Shock resistance:** IP 65.
13. **Standards:** UL certified (if applicable). Meets ISO 19794-4:2005 Section 7 and Annex A certification requirements (IAFIS Appendix F certified).
14. **Software API:** Compliant with latest UIDAI Device Capture API specifications. Linux / Windows 64-bit VDM ready certified by UIDAI.

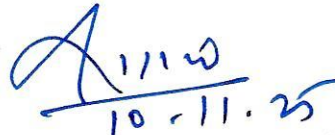
FED Application software specifications:

1. FED should be STQC certified and NIST and ISO/IEC-19794-4 compliant.
2. Capture Format: Single Print, Rolled Print, Flat Print, 4 Finger Slap, 2 Thumbs/Fingers.
3. It should be able to take Full image of finger print (rolled), 4+4+2 slab fingerprints.
4. Image Resolution-500 PPI.
5. The FED software should capture, process and transmit fingerprint information in NIST format and ISO / IEC-19794-4 for search, matching and verification purposes.
6. FED software should have a provision to insert, delete or modify the data pertaining to Indian Laws, police stations and other relevant fields in the drop-down list.
7. File generated via software should be NIST / ANSI compliant.
8. Hard copy printing of fingerprints enrolled via FED software should be enabled.
9. Capture live prints (with live quality control), 10 fingerprint (rolled), 4+4+2 slab. Fingerprints from any individual one enrolment station. Enrolment software should be able to identify Forged FP: fake finger, wrong alignment of finger, same finger sample taken twice, low quality of fingerprints.
10. SLAP SEGMENTATION / AUTOMATIC SEQUENCE CHECKING AND CORRECTION.
11. Option for marking, amputated and bandaged/webbed fingers, it should reflect in the print out of 10 digit slips.
12. Should have capability of producing and accurately printing ten digit and plain FP slip with mug shot and other demographic data as per NIST format and ISO / IEC-19794-4 standard.
13. Device should have capability of interfacing/connecting with finger print identification System of NCRB.
14. SDK (Software Development Kit) should be provided by the OEM/bidder.
15. Warranty- 3 years.

6	ABIS Server hardware with required networking equipment, pre-installed latest compatible Windows OS, MS SQL database, MS Office with Access on servers	1. Type: Rack Mountable. 2. Processor: Intel ® Xeon ® X5670 (6 core, 2.93 GHz, 12 MBL3, 95W). 3. No of Processors: Single Processor. 4. Memory: At least 64 GB memory should be upgradable to minimum 256 GB fully buffered or higher DDR3 SDRAM ECCDIMM can be support to memory mirror. 5. Hard Disk Controller: Embedded SAS 3.0 GB/s RAID controller with 256 MB of battery backup cache. 6. Chipset: Intel ® 5520 Chip set. 7. Hard Disk: Should have minimum of 3 x 146 GB RAID level 5, SAS with 15,000 RPM Hard Drives. 8. RAID Support RAID Support: Server should support dual channel RAID controller with 256 MB battery backup cache and Hot Pluggable. 9. Hard Disk Upgrade: Should be upgraded to minimum of 9.6 TB SAS internally. 10. No. of Hard Disk Bays: Should support at least 8 Hot pluggable hard disks. 11. CD ROM Drive: 16 x DVD ROM Drive. 12. Windows server OS 13. MS Office with Access 14. MS SQL Standard	2 sets
7	ABIS workstations with one KVA UPS 15 mins. backup, pre-installed Windows OS and MS Office with Access	1. Processor: Single x 86_64 CPU with 64cores / 128 threads Min. base clock frequency of CPU 2.4GHz. Min. 256 Cache per CPU Populated: 01. 2. Memory: Total 256 GB Memory (4 x 64 GB Memory module) DDR4, Min 3200MHz or better with Advanced ECC with multi-bit error protection. Mother board must have min 16 DIMMS slots. 3. Internal Storage: Drive1: Min. 1 x 960 GB NVM e M.2SSD (OS Drive) Drive2: Min 2 x 12000 GB SATA 7200 RPM 3.5" HDD. 4. Expansion Slot: 3x PCI-E4.0x16, 3xPCI-E4.0x8. 5. GPU: 1 x Min Nvidia T1000 (4 GB) or better GPU Card. 6. Network (NIC): At least 2 x 1GbE (RJ 45) Ethernet LAN port, Wi-Fi and Bluetooth. 7. Ports: Min.2 USB 3.0 or better ports. 8. Power Supply: Min.1200 W High Efficiency Platinum Level Certified Single Power Supply. 9. Monitor: Min 1 x 27" or higher LED Monitor. 10. Keyboard, Mouse: 1xWired (USB) Keyboard and Mouse 11. Latest compatible Windows OS 12. MS Office with Access 13. Warranty- 3 years.	3 sets
8	Printer	1. 250-sheet input tray support media sizes Dual-band Wi-Fi with Bluetooth® Low Energy for easy wireless printing and setup. 2. 100-sheet multipurpose tray supports media sizes up to 8.5 x 14inches (216 x 356 mm).	1 No.

		3. Hi-Speed USB 2.0 port, USB port for job storage and PIN printing, Gigabit Ethernet LAN port. 4. Rear door (access to the print path). 5. 2-line LCD control panel. 6. 150-sheet output bin. 7. Front door release button. 8. Front door (access to black toner cartridges). 9. Automatic two-sided printing. 10. up to 8.5 x 14 inches (216 x 356 mm). 11. Warranty- 3 years.	
9	Web Camera	1. Video Resolution: Full 1080P (1920 x1080) CMOS sensor. 2. USB Certification: USB 2.0 high-speed certified Lync Certified. 3. Still Picture Resolution: Up to 13 Megapixels by software interpolation. 4. UVC (Universal Video Class): Yes. 5. Tilt: 30° tilt, up to 15° down and 15° up. 6. Pan: 360° pan. 7. Micro phone: Integrated Microphone. 8. Quick Launch buttons: 3 buttons on the top: Instant Image Capture, Instant Chat Button and Instant Video. 9. Front LED (On / Off): Yes. 10. Cable Length: 5 Feet / 1.5 meters. 11. Warranty- 3 years.	5 Nos.
10	5 KVA ONLINE UPS	1. Capacity / Rating: 5 KVA. 2. General: UPS shall be free from workmanship defects, sharp edges, scratches, burrs, etc. All fasteners shall be fixed properly. The equipment shall be complete with all parts and all parts shall be functional. 3. Technology: Microprocessor based Digital Control, IGBT based, True on-line double conversion, AC to DC conversion and then DC to AC. 4. Wave form: Pure Sine wave. 5. Input Voltage: 110-270V. 6. Input Frequency: 45-55Hz (Generator Compatible). 7. Input Power Factor: > 0.90. 8. Output Voltage: 208V/220/230/240VAC-Selectable. 9. Out Put Power Factor: 0.9. 10. Output Frequency: 50Hz/60Hz+/-0.05%. 11. THD: < 2 % Linear Load and 5% Non-LinearLoad. 12. Inverter Efficiency: >92%. 13. Crest Factor: 3:1. 14. Over Load on Batteries: 105 %-125 % for at least 120 sec, if overload exceeds UPS Shall go in Bypass mode and auto recover on removal of load. 15. Paralleling: Option for paralleling up to 4 Units. 16. By Pass Switches: Built in Static/Automatic Bi-Directional Type.	1 No.

		17. Protection: Input Over/Under Voltage, Output Overload, Short Circuit, Battery Low/High, Battery reversed polarity, protection for IGBT & thermal overload. 18. Display: LCD. 19. Alarms: Audible Alarms should be provided for Mains Fail, Battery Low and Fault Conditions. 20. Operating Conditions: 0-40 deg C, 0-90 % RH maximum, non-condensing. 21. Cooling: Air forced type. 22. Batteries: SMF-VRLA type. 23. Back Up Time / VAH: 30 mins on full load (Minimum VAH-6240). 24. Warranty- 3 years.	
11	Flatbed Scanner	Type: Flatbed Color Image Scanner Optical Sensor: CIS (Contact Image Sensor) Optical Resolution: 4800 dpi Hardware Resolution: 4800 x 4800 dpi Effective Pixels: 40,800 x 56,160 pixels (4800 dpi) Color Bit Depth: 48-bits per pixel internal / 24-bits per pixel external Grayscale Bit Depth: 16-bits per pixel internal / 8-bits per pixel external Maximum Scan Area: Flatbed 8.5" x 11.7" Light Source: Three-color RGB LEDs Scanning Speed: Color 300 dpi approximately 10 seconds (via USB 2.0) Color 600 dpi approximately 30 seconds (via USB 2.0) Warranty- 3 years.	4 Nos.


 10.11.25
 Asstt. Inspector General of Police (E),
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