



SURVEY OF PAKISTAN INVITATION TO BID

Survey of Pakistan a National Surveying & Mapping Agency invites sealed bids from the Original manufacturers/authorized distributors/suppliers/contractors etc., registered with Income Tax & Sales Tax Departments for supply of following Equipments/Furniture:

Sr. #	Description of Equipment	Qty	Closing Date
1	Computer Core i7	31	16-01-2024
2	Rugged Tablet with high precise GNSS (Core i3/i5) – (Option-I & II)	15	
3	Laptop Core i7	03	
4	Integration & Upgradation of IT Infrastructure of CDBA/IT Center (Complete Solution) Quantity of items are given in Bidding Documents as per Annex-A		
5	CCTV System 09 x Cameras + 01 PTZ, NVR 16 Channel & Accessories with Installation for SGO, Rawalpindi Station.	01	
6	CCTV System (NVR 32 Channel), HDD (4TB), Cat6 with connector, 2 LED 40", 16 IP Cameras & Switches etc., for Peshawar Station	01	
7	Dry Batteries 100AH	02	
8	Printer HP LaserJet or equivalent	07	
9	UPS 1KVA	11	
10	AC Floor Standing 2 Ton	06	
11	AC Inverter 1.5/2 Ton	10	
12	Deep Freezer Twin Door	01	
13	Refrigerator 13CFT	01	
14	Solar Panel	02	
15	Battery for Solar	05	
16	LED 50"	01	
17	Walki Talki Motorola Set or equivalent	05	
18	Photocopier	03	
19	Hydraulic Hand Trolley	01	
20	Executive Table with Chair	01	
21	Arm Chair Ragzen	15	
22	Officer Table	10	
23	Officer Chair	13	
24	Office Table	12	
25	Wooden Office Chair	15	
26	Wooden Chair without Arm	10	
27	Computer Table	25	
28	Computer Chair	25	
29	Sofa Set with Table	01	
30	Almira Steel	10	
31	Almira Wooden	20	

2). Bidding documents, containing detailed terms and conditions, method of procurement, procedure for submission of bids, bid security, bid validity, opening of bid, evaluation criteria, clarification/rejection of bids, performance guarantee etc., are available for the interested bidders at website of Public Procurement Regulatory Authority, (www.ppra.org.pk), which can be downloaded.

3). The bids, prepared in accordance with the instructions in the bidding documents, must reach at Survey of Pakistan, Murree Road, Faizabad, Rawalpindi duly addressed to the Chairman Purchase Committee on or before 16-01-2024 at 10:30 hrs. Bids will be opened the same day at 11:00 hrs. This advertisement is also available on Department's website at www.surveyofpakistan.gov.pk.

(NADEEM AHMAD CH.)
Chairman Purchase Committee
Deputy Surveyor General
Survey of Pakistan

TERMS & CONDITIONS

1. Applications on prescribed form (attached) along with technical specifications (compliance sheet) and contract, which can be downloaded from the website of PPRA, should reach the Chairman Purchase Committee, Survey of Pakistan, Faizabad, Rawalpindi by registered post/courier latest by **10:30 hours** on **16-01-2024**. These will be opened at **11:00 hrs** on the same day in the presence of bidders their authorized representatives.
2. The envelope shall be marked as “FINANCIAL PROPOSAL” & “TECHNICAL PROPOSAL” in bold and legible letters to avoid confusion. Initially, only envelopes marked as Technical Proposal shall be opened and envelopes marked as Financial Proposal shall be retained in the custody of Chairman Purchase Committee. After the evaluation & recommendations by the Technical Evaluation Committee concerned, Financial Proposals of only technically accepted bids will be opened. The Financial Proposals of bids found technically non-responsive shall be returned un-opened to the respective bidders.
3. 3% earnest money in shape of pay order/bank draft in the name of Chairman Purchase Committee, Survey of Pakistan, Rawalpindi should be enclosed in the envelope containing Financial Bid. However, the certificate for attachment be indicated in technical bid, otherwise, the same will be rejected at the opening stage.
4. Successful bidder(s) will be required to execute agreement governing the terms & conditions of the contract.
5. All the bidders are requested to offer the latest model. Accepted/approved model shall not be replaced at any stage even with superior model. Supplier’s earnest money will be forfeited and supply order will be cancelled.
6. Procuring agency may reject any or all bids subject to the relevant provisions of PPRA Rules.
7. Only registers suppliers who are on Active Tax Payers List (ATL) of FBR are eligible to supply goods to the Government departments.
8. The supplier should attach a proof that he is on ATL of FBR Data Base. In other case his payment would be stopped till he files his mandatory return and appears on ATL of FBR.
9. The prices should be inclusive of all leviable taxes.
10. Bids will be valid for 120 days from the date of opening of bid.
11. The bidders shall have to give demo of their offered model during Technical Evaluation for analysis.
12. The bidders should also provide the detail price analysis of the items/accessories in their Financial Proposal alongwith unit rate with GST.
13. The method of procurement is single stage – two envelopes as per PPRA’s Rule-36(b).
14. The successful bidder shall be liable to give full/justifiable training of their approved model.
15. **Quantity of items can be increased or decreased subject to availability of funds.**
16. Compliance sheet (attached) must be furnished duly filled in, otherwise tender will not be entertained.
17. Copy of CNIC must be attached with the bid.
18. For more information, please contact with Mr. Muhammad Asghar, Senior Stores Officer at telephone No. 051-9290227.

EVALUATION CRITERIA

Technical Evaluation Reports of the Technical Proposals will be made as per tender specifications without the reference to the price as per PPRA Rule 36 (b)(v).

Only the Financial Proposals of those bidders whose Technical Proposals have technically been recommended by Technical Evaluation Committee of the department will be opened publically as per PPRA Rule 36 (b)(viii). Out of which, the bid having the lowest price will be the lowest evaluated as per PPRA Rule 36(b)(ix).

PRESCRIBED APPLICATION FORM FOR TENDERING OF PROCUREMENT OF EQUIPMENT

(To be printed on firm/supplier's letter head duly signed by the authorized representative)

The Chairman Purchase Committee,
Survey of Pakistan,
Faizabad, Rawalpindi.

In response to press advertisement dated: -12-2023 appeared in the daily
we M/s. have downloaded Tender Documents consisting of Contract
Proforma for Tendering under Purchase of stores including the detail and specifications from PPRA's website.

We have gone through all the terms and conditions contained in above mentioned documents and those, which are the part of tender.

We fully agree to abide by the terms and conditions contained in the said documents and therefore hereby submit Technical as well as Financial Proposals for the following:

**AUTHORISED SIGNATURE
NAME & SEAL OF FIRM/SUPPLIER**

SPECIFICATION OF “COMPUTER CORE I7”

Sr. #	Peripherals/Functions	Specifications	Compliance/ Bidder Response
1.	Brand	HP/DELL/Other equivalent Brand	
2.	Processor	12 th Generation Intel® Core™ i7 or Higher	
3.	Hard Drive	M.2 2230, 512 GB, PCIe NVMe Gen3 x4, SSD, Class 35 & 3.5-inch, 2 TB, 7200 RPM, SATA, HDD	
4.	Memory	16 GB, 2 x 8 GB, DDR4, 3200 MT/s, dual-channel	
5.	Video Card	AMD Radeon™ 540, 1 GB GDDR5/Built-in	
6.	Ports	Front: 1 USB 2.0 port with Power Share 1 USB 2.0 port 1 USB 3.2 Gen 2 port 1 USB 3.2 Gen 2x2 Type-C® port 1 universal audio jack Rear: 3 USB 3.2 Gen 1 ports 1 USB 3.2 Gen 2 port 2 USB 2.0 ports with Smart Power On 3 DisplayPort 1.4 ports 1 re-tasking line-out/line-in audio port 1 RJ45 Ethernet port 1 video port (HDMI 2.0b/DisplayPort 1.4/VGA/USB 3.2 Gen 2 Type-C® port with DisplayPort Alt Mode)	
7.	Optical Drive	8x DVD±R, Slim line 9.5 mm	
8.	Slots	1 half-height Gen 4 PCIe x16 slot 1 half-height Gen 3 PCIe x4 slot 1 M.2 2230 slot for WiFi and Bluetooth card 3 M.2 2230/2280 slots for SSD 3 SATA 3.0 slots for 3.5/2.5-inch HDD, and slim optical drive 1 Kensington security-cable slot 1 Padlock ring	
9.	Power	Internal power supply unit (PSU), 92% Efficient, 80 Plus Platinum	
10.	Mouse & Keyboard	Standard USB port Keyboard & Mouse	
11.	LED	Ultra Sharp 24-Inch LED Backlit, Anti-Glare, Display Port, VGA, HDMI and USB	
12.	Support Services	1-year Pro Support with Next Business Day on-site service	
13.	Dealership	Authorized Dealership with OEM certification	

Note:

The document enlists all requirements in left columns. The bidder shall provide his consent in the rightmost column. The response should be explicit in well-defined specification offered for the components against each row. Any ambiguous and implicit words or quotations (such as **yes, ok, offered, available and provided etc.**) shall be treated as “non-responsive”.

Specification for GIS Data Collection Android Rugged Tablet with High Precise GNSS (Option-I)

Sr.#	Items	Specifications	Compliance/ Bidder Response
01	CPU	Qualcom 8950 2.2 Ghz or better	
02	OS	Android 12 or above	
03	ROM	256 GB or above	
04	RAM	6 GB or above	
05	Battery Duration	14 Hours +	
06	Battery	8000mAH	
07	Camera R/F	13 MP/ 5 MP	
08	Memory Card	Trans Flash	
09	LCD	8" HD 1280*800 500Ntis Sunlight Readable	
10	Touch Panel	Captive Screen, support glove/wet hand	
11	Weight	700 g	
12	Keypad	Power Volume, F1, F2, Home, Menu, Return	
13	Bluetooth	BT 4.2	
14	USB	Type C	
15	Environmental	Operating: -20°C to +60°C (-4°F to +140°F) Storage: -40°C to +70°C (-40°F to +158°F)	
16	Water & Dust	IP67 (according to IEC 60529) for water and dust resistance, protected against temporary immersion at a depth of up to 1 m.	
17	Humidity	95% no condensation	
18	Rugged with Drop Test	1.2 m fall onto concrete	
19	Support for GIS Data Collection Software	Open Source, Arc GIS Collector, MapIT GIS	
20	HP GNSS Antenna Constellations	BDS: B1I, B2I, B3I, B1C, B2a, B2b GPS: L1C/A, L1C, L2P (Y), L2C, L5 GLONASS: L1, L2 Galileo: E1, E5a, E5b, E6* QZSS: L1, L2, L5, L6*	
21	Standalone Accuracy	< 2 m	
22	Internal sensors	NFC; G-Sensor; Light Sensor; E-Compass; Gyroscope	
23	Battery bank	External battery bank for at least two recharges.	

24	Bag	Tablet bag	
25	Power cable	Charging cable	
26	Warranty	01 years comprehensive. Hard disk will not be returned for replacement during warranty cover.	

1. The Equipment is required for Geospatial data surveying and verification on the ground by using open-source or proprietary GIS software (QGIS).
2. The equipment must support file format i.e. tiff, jpeg, shp, gdb etc.
3. The equipment will have to be presented for trial in geospatial data development and upgradation in the field before finalizing technical evaluation.

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SPECIFICATION FOR RUGGED TABLET GNSS (High Precise) (Option-II)

Sr. #	ITEM	SPECIFICATION	COMPLIANCE/ Bidder Response
1.	Brand	Rugged tablets of any renowned brand	
2.	CPU	8th Gen Intel® Core™ i-5 or i7-8665U (8 MB cache, 4 cores, 8 threads, up to 1.90 GHz Turbo, 15 W) or above	
3.	OS	Android 13 or above & latest windows	
4.	ROM	512GB, M.2, PCIe NVMe, SSD, Class 40	
5.	RAM	16GB; LPDDR3, 2133 MT/s (onboard)	
6.	Display	11.6y”, FHD (1920 x 1080), 1000 Nit Outdoor-Readable, AG/AS/Polarizer, Glove- Capable Multi-tch Screen	
7.	Signal Tracking Signals	335 Channels	
8.	Satellite Tracking	GPS L1, Bei Dou B1, GLONASS L1, Galileo L1C and SBAS	
9.	Post Processing Horizontal Accuracy	2.5mm + 1ppm	
10.	Post Processing Vertical Accuracy:	5mm + 1ppm	
11.	DGPS	< 0.4m 3D RMS	
12.	SBAS	0.5m Horizontal, 0.8m Vertical	
13.	Waterproof and Dustproof	IP65	

14.	Operating Temperature	-20C + 60C	
15.	Battery bank	External battery bank for at least two recharges.	
16.	Bag	Tablet bag	
17.	Power cable	Charging cable	
18.	Warranty	01 years comprehensive. Hard disk will not be returned for replacement during warranty cover.	

1. The Equipment is required for Geospatial data surveying and verification on the ground by using open-source or proprietary GIS software (QGIS).
2. The equipment must support file format i.e. tiff, jpeg, shp, gdb etc.
3. The equipment will have to be presented for trial in geospatial data development and upgradation in the field before finalizing technical evaluation.

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SPECIFICATION OF LAPTOP CORE I7

Sr.	Peripherals/Functions	Specifications	Compliance/ Bidder Response
1.	Brand	DELL/ HP/ Lenovo/IBM or equivalent	
2.	Processor	13 th Gen Core i7, 1.3 GHz Boost up to 4.6 GHz, 12 MB Cache	
3.	Memory	8 GB, DDR5	
4.	Chipset	Integrated with the CPU	
5.	Video Card	Integrated HD Graphics	
6.	Hard Drive	512 GB SSD or above	
7.	Display	14" HD, Anti-Glare LED	
8.	Multimedia	High Quality Speakers	
9.	Connectivity	1000 Gigabit Ethernet	
10.	Ports	1 USB Type-C, 1 USB Type-A, HDMI	
11.	Battery	6-cell (45 Whr) Lithium Ion battery with Express Charge or the latest	
12.	Power	Charge AC Adapter, Paksitan-compatible	
13.	Operating System	Latest Windows Professional 64-bit English (License)	
14.	Warranty	1 year on-site comprehensive	
15.	Bag	Branded original	
16.	Dealership	Authorized Dealership	

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SPECIFICATION OF “EARTHING SOLUTION FOR IT ROOM”

Sr.	Peripherals/Functions	Specifications	Compliance/ Bidder Response
1.	Brand	Renowned Brand commonly used in Pakistan	
2.	60 feet	25mm solid copper wire (for Earthing)	
3.	6 feet copper rod	25mm (for Earthing)	
4.	Boring	50 feet (for Earthing)	
5.	Earth bag	15 (for Earthing)	
6.	Complete Earthing solution		

Note: The technical person of interested bidders can visit SOP for better understanding before technical/financial proposals.

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SPECIFICATION OF “POWER MANAGEMENT (3 PHASE POWER CABLING FOR CONNECTIVITY IT INFRASTRUCTURE)”

Sr.	Peripherals/Functions	Specifications	Compliance/ Bidder Response
1.	Brand	Renowned Brand commonly used in Pakistan	
2.	Power Cable	3 Core Cable (16 mm) 60 Meters or as per actual	
3.	Power Cable	4 Core Cable (25 mm) 110 Meters or as per actual	
4.	Main Breaker	100 Amp (02 Input & Output)	
5.	Breaker	63 Amp (01)	
6.	Load Breaker	63 Amp (10)	
7.	SP	16 Amp (04)	
8.	Power DB	18 x 24 (01)	
9.	Power DB	1 x 1 (01)	
10.	Industrial Socket	32 Amp (08 Nos)	
11.	Passive Work	Installation of Cables from Old to New DC Room	
12.	Complete Earthing Solution		

Note: The technical person of interested bidders can visit SOP for better understanding before technical/financial proposals.

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SPECIFICATION OF “FIRE ALARM PANEL 4NODES (HEAT & SMOKE DETECTOR)”

Sr.	Peripherals/Functions	Specifications	Compliance/ Bidder Response
1.	Brand	Renowned Brand commonly used in Pakistan	
2.	Fire Alarm Panel 4 Nodes	Heat and Smoke detector	
3.	Fire extinguishing system	Cylinder-based fire extinguishing system	
4.	Installation, configuration and training		

Note: The technical person of interested bidders can visit SOP for better understanding before technical/financial proposals.

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SPECIFICATION OF “DOOR LOCK WITH BIOMETRIC SECURITY”

Sr.	Peripherals/Functions	Specifications	Compliance/ Bidder Response
1.	Brand	Renowned Brand commonly used in Pakistan	
2.	Biometric Device	6	
3.	Biometric Door lock and open system	4	
4.	Glass door size 8’ x 4’ or as per measurement	12mm or higher	
5.	Installation and configuration of Glass door with biometric lock and open system (hardware and software)		

Note: Authorized dealership certificate of OEM. The technical person of interested bidders can visit SOP for better understanding before technical/financial proposals.

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SPECIFICATION OF “CCTV SYSTEM NVR WITH 06 X IP CAMERAS”

Sr.	Peripherals/Functions	Specifications	Compliance/ Bidder Response
1.	Brand	Renowned Brand commonly used in Pakistan	
2.	6 IP Camera	4 MP or Higher each with full color	
3.	NVR 16 Channel	Hybrid NVR with HD resolution	
4.	HDD	8 TB	
5.	Cable for connectivity	3M Cat 6 STP	
6.	Power Requirements	Input voltage (auto rang Ving): 240 VAC ($\pm 10\%$), 50/60 Hz, 5 A max, or Pakistan Compatible	
7.	LED 50 Inch	5 Series, Res 1920x1080	
8.	Warranty	01 Year on-site comprehensive	
9.	Dealership	Authorized Dealership with OEM certification	
10.	Installation and configuration with existing system and training.		

Note: The technical person of interested bidders can visit SOP for better understanding before technical/financial proposals.

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SPECIFICATION OF “NETWORK FIREWALL”

Sr.#	Peripherals/ Functions	Specifications	Compliance/ Bidder Response
1.	Brand	Renowned brand	
2.	Basic Firewall	The appliance-based security platform should be a stateful NGFW, Next-Generation IPS, malware protection, URL protection, firewall, application visibility, and IPS functionality in a single appliance.	
3.	Hardware architecture	8×GE COMBO + 4×GE RJ45 + 4×GE SFP + 6×10GE SFP+	
		Single AC power supply; optional dual AC power supplies	
		Optional, SATA (1×2.5 inch) supported, 240 GB/ 1TB	
4.	Performance requirements	Layer 3 throughput \geq 25Gbps;	
		concurrent connections per second \geq 10,000,000; new connections per second \geq 250,000;	
		IPSec VPN throughput (AES-256,1420 byte) \geq 25 Gbps	
		Application controlling and IPS throughput \geq 10 Gbps;	
5.	Routing	Supports static routes, policy-based routing, and routing protocols such as RIP, OSPF, BGP, and IS-IS;	
		Policy-based routing supports the following matching conditions: source IP address, destination IP address, service type, application type, user/user group/security group, inbound interface, and DSCP priority.	
6.	Intelligent uplink selection	Supports service-specific PBR and intelligent uplink selection based on multiple load balancing algorithms (for example, based on bandwidth ratio and link health status) in multi-egress scenarios.	
7.	NAT	Supports full NAT functions and NAT ALG for multiple application-layer protocols, including ILS, DNS, PPTP, SIP, FTP, ICQ, RTSP, MSN, and MMS.	
		Supports Source NAT automatic detection and exclusion of invalid addresses in NAT address pools.	
		Firewall should support NAT444, NAT66 (IPv6 - to - IPv6) , Nat46 (IPv4 - to - IPv6) and DS-Lite NAT	
8.	Traffic control	Supports application-layer protocol-based traffic control policies, including setting the maximum bandwidth, guaranteed bandwidth, and protocol traffic priority.	
		Supports bandwidth guarantee based on users and IP addresses. Supports maximum number of connections per IP address.	
9.	Intrusion prevention and antivirus	Supports attack detection and prevention based on over 7000 local signatures.	
		Supports the customization of intrusion prevention policy templates based on scenarios.	
		Supports brute-force cracking prevention for common application services (HTTP, FTP, SSH, SMTP, and IMAP) and database software (MySQL, Oracle, and MSSQL).	
		Supports malicious domain name-based filtering to block C&C.	
		Supports antivirus for protocols such as HTTP, FTP, SMTP, POP3, IMAP, and NFS.	

10.	URL filtering	Provides a URL category database with over 120 million URLs and accelerates access to specific categories of websites, improving access experience of high-priority websites. Supports DNS filtering, in which accessed web pages are filtered based on domain names. Supports the Safe Search function to filter resources of search engines, such as Google, to guarantee access to only healthy network resources.	
11.	DDoS defense	Supports application-layer flood attacks such as HTTP, HTTPS, DNS, and SIP, supports traffic auto-learning, the setting of the auto-learning time, and automatic generation of anti-DDoS policies.	
12.	Policy & Management	Allows users to configure security policies based on time, application-layer protocol, geographical location, IP address, port, domain name group, URL category, access type, vlanID and content security.	
13.	Network access user authentication	Supports multiple user authentication methods, including local, RADIUS, HWTACACS, AD, and LDAP.	
14.	License	Provides the related Full threats protection License of 03 Years	
15.	Reliability	Supports BFD link detection and association of BFD and VRRP/OSPF to implement rapid active/standby switchover.	
		Supports the smooth upgrade of HA(Active/Active or Active/Standby) Mode, the software of different versions can be used for hot standby.	
16.	Product certification	Has been listed as Leader or Challenger in Gartner Magic Quadrant;	
17.	Warranty Service	3 years licenses and hardware support should be a part of proposal	
18.	Dealership	Authorized Dealership certification of OEM	

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SPECIFICATION OF “WOODEN ALMIRAH/WOODEN WALL PANEL WITH LOCK”

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Dimensions	2 Doors Wooden Almirah measuring 5.5feet high, 3.5 feet wide and 1.5 feet deep	
2.	Sections	5 x shelves including handles, locks, stand etc complete in all respect.	
3.	Quality	Should have high quality structure and material as desired by the user	
4.	Color	Selection by user	
5.	Mounting	Ground placement Almirah as well as wall mounted, wall panel mounted with lock	
6.	All Bidders must visit office for pre-bid meeting/ consultation for correct bidding		

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SPECIFICATION OF “NETWORK SECURITY SOFTWARE NSM”

Specification of Server + Client based Antivirus (Endpoint Protection 1+250 & 1+20)

Sr.#	Specifications	Compliance /Bidder Response
1.	Endpoint	
2.	Suggested endpoint solution must have Machine Learning Technologies	
3.	The suggested solution must support high availability and clustering	
4.	The suggested solution must support secure communication between management server and endpoints	
5.	The suggested solution vendor must be in the “leaders” quadrant of Gartner’s latest magic quadrant report for at-least six years in a row.	
6.	Suggested solution must support below client operating systems: Windows 7, 8, 8.1, 10 and windows 10 Red stone 1	
7.	Suggested solution must support below Server operating systems: Windows Server 2008, 2008 R2, 2012, 2012 R2 including standard, enterprise, core & datacenter editions. Windows Server 2016 essentials, standard, datacenter	
8.	Suggested solution must be able to detect following type of threats: Viruses (including polymorphic), Worms, Trojans, Backdoors, Rootkits, Spyware, Adware, Ransomware, Keyloggers, Crimeware, Phishing sites and links, Zero-day vulnerabilities and other malicious and unwanted software	
9.	Suggested solution must provide Memory Scanning for windows workstations	
10.	Suggested solution must include following components in a single agent installed on the endpoint: a) Application, Web and Device control b) HIPS and Firewall	
11.	Suggest solution must include Application launch/start control for the windows server operating system.	
12.	Suggest solution protection for servers must include dedicated component for the protection against ransomware/Cryptor viruses like activity on shared resources.	
13.	Suggested solution must have pre-defined list of scan exclusion for Microsoft applications and services.	
14.	Suggested solution should support installation endpoint protection on Servers without restart	
15.	Suggested endpoint solution must allow the following: a) Manual scanning b) On access scanning c) On demand scanning d) Compressed File Scanning e) Scan Individual file, Folder and drive f) Script blocking and scanning g) Auto clean, Quarantine infected files h) Registry guard i) Buffer Overflow Protection j) Instant messages (IM) scanning k) Background/idle scanning l) Removable drive scanning upon connection with the system m) Ability to detect untrusted hosts and block upon detection of encryption like activities on the server shared resources	
16.	Suggested endpoint solution should be protected with a password to prevent stopping/killing the AV	

	process and for self-protection regardless of user authorization level on the system	
17.	Suggested solution must have local and global reputation	
18.	Scans both HTTP and FTP traffic against viruses and spyware or any other malware.	
19.	Solution must include a personal firewall capable of, but not limited to: a) Block network activates of applications based on their categorization b) Block/allow certain packets, protocol, IP addresses, Ports and traffic direction c) Automatic and manual addition of network subnets and modify network activity permissions	
20.	The suggested solution must prevent the connection of reprogrammed USB devices that emulate keyboards and also allow to control the use of on screen keyboard for authorization.	
21.	Solution must be able to block network attacks and report the source of infection	
22.	Suggested solution must have a proactive approach to prevent malwares from exploiting existing vulnerabilities	
23.	Suggested solution must support signature based detection in addition to cloud-assisted and heuristics	
24.	The proposed solution should have the ability to alert , clean, delete , quarantine the detected threats	
25.	Solution should have the ability to accelerate scanning tasks skipping those objects that have not changed since the previous scan.	
26.	Suggest solution must allow administrator to exclude specified files / folders / Application / By Digital Certificate from being scanned either in the on-access scan (real-time protection) or during on-demand scans.	
27.	All detected threats (cleaned or active) must be backed up in a central location where all samples can be re-examined or restored	
28.	Automatically scans removable drives for malware upon insertion to any endpoint. Scan should be controlled based on drive size	
29.	Suggested solution must be able to block the usage of USB storage devices or only allow access to whitelisted devices and allow read/write access by domain users to reduce data theft and enforce lock policies	
30.	Suggested solution must be able to differentiate among USB storage devices, printers, mobiles and other peripherals	
31.	Suggested solution must be able to log the file operations (Write and delete) on USB storage devices. Stated functionality does not require any additional license or component to installed on the endpoint.	
32.	Suggested solution must have ability to block the execution of any executable from the USB storage device.	
33.	Suggested solution must have a ability to generate list of trusted Wi-Fi networks based on name, encryption type and authentication type.	
34.	Suggested solution must have Ability to block/allow user access to web resources based on websites, content type, user and time of day	
35.	Suggested solution must have special detected category to block the website banners.	
36.	Suggested solution must have ability to configure Wifi networks based on Network Name, Authentication Type, Encryption Type, that can later be used to block or allow the Wifi connections.	
37.	User-based policies for device, web and application control	
38.	Suggested solution should allow blocking following devices: a. Bluetooth b. Mobile devices c. External modems d. CD/DVDs e. Transferring data to mobile device f. Camera and Scanners	
39.	Suggested solution should contain cloud integration for most up to date updates on malware and potential threats	
40.	Suggested solution must have ability to manage user access rights for read and write operations on	

	CDs/DVDs	
41.	Suggested solution must have firewall filtering by local address, physical interface, and packet time-to-live (TTL).	
42.	Suggest solution must allow administrator to enlist and monitor the application that use custom/random ports when launched.	
43.	Suggested solution must support blocking blacklisted applications from being launched on endpoints. Also it must support blocking all applications except "whitelisted" ones	
44.	Suggested solution must have cloud-integrated application control component to get latest updates on applications' rating and categories	
45.	Suggested solution must have ability to whitelist application based on the digital signature certificate, MD5, SHA256, META Data, File Path, Pre-defined security categories.	
46.	Suggested solution must have controls for downloads of DLL and Drivers.	
47.	Suggested solution application control must have black list and white list operation modes	
48.	Suggested solution must support startup control of scripts from powershell	
49.	Suggested solution must support Test mode with report generation on launch of blocked applications	
50.	Suggested solution must have ability that restrict application activities within the system according to the trust level assigned to the application and limits the rights of applications to access certain resources, including system and user files.	
51.	Suggest solution must have ability to control the system/user applications access to the Audio and Video recording devices.	
52.	Suggested solution must provide a facility to check applications listed in each cloud-based category	
53.	Suggested solution must have ability to integrate with Vendor Specific Advance Threat Protection system.	
54.	Solution must have ability to automatically regulate the activity of the running programs, access to the file system and registry as well as interaction with other programs	
55.	Solution must have the ability to automatically delete application control rules for the application if not launched from a specified interval. The interval must be configurable.	
56.	Suggested solution must have the ability to automatically categorize the applications launched before/prior to the Endpoint protection installation	
57.	Suggested solution must have endpoint mail antivirus protection with; <ul style="list-style-type: none"> a) Attachment filter and ability to rename attachments b) Scan of mail messages when receiving, reading and sending 	
58.	Suggest solution must have ability to scan multiple redirects, shortened URLs, hijacked URLs, and time-based delays	
59.	Suggest solution must provide ability to the end user/user of the computer to perform check on the file reputation from the file context menu.	
60.	Suggested solution must include Scanning of scripts – scanning of all scripts, developed in Microsoft Internet Explorer, as well as any WSH scripts (JavaScript, Visual Basic Script WSH scripts (JavaScript, Visual Basic Script etc.), launched when the user works on the computer, including the Internet.	
61.	Protection against still unknown malware based of an analysis of their behavior and examination of changes in the system register, with the option of automatic restoration of system register values changed by the malware.	
62.	Protection against hacker attacks by using a firewall with an intrusion detection and prevention system (IDS/IPS) and network activity rules for more popular applications when working in computer networks of any type, including wireless networks.	
63.	IPv6 protocol support.	
64.	Special task for detecting vulnerabilities, with results available in reports	
65.	Scanning of critical sections of the computer as a standalone task.	
66.	Application self-protection technology, protection from unauthorized remote management of an application service as well as protection of access to application parameters via password, preventing the disabling of protection from malware, criminals or amateur users	
67.	Ability to choose which antivirus components will be installed.	
68.	Antivirus checking and disinfection of files packed using program like PKLITE, LZEXE, DIET, EXEPACK, etc.	
69.	Antivirus checking and disinfection of files in archives using the RAR, ARJ, ZIP, CAB, LHA, JAR, ICE formats, including password-protected files.	
70.	Protection against still unknown malware belonging to registered families, based on heuristic	

	analysis.	
71.	Availability of multiple ways to notify administrator about important events that have taken place (mail notification, audible announcement, pop-up window, log entry).	
72.	Suggested solution must allow the administrator to create a single installer with required configuration to non-IT literate users.	
73.	Dealership: Authorized Dealership with OEM certification	

Note:

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SPECIFICATION OF “UPS 6KVA”

Sr. #	Nomenclature	Details	Compliance/Bidder Response
1.	Power	6 KVA with built-in line conditioning AVR, Microprocessor Controller to Protect PC against all Power disturbances power blackout surge	
2.	Model:	Latest (2023 - Till date)	
3.	Input:	220 Volt AC+/- 25% Auto-sensing	
4.	Output:	220 VAC+/-5% 50/60 Hz +/-0.5% Auto-adjustment	
5.	Transfer Time:	4ms (Typical)	
6.	Panel	Smart panel for reading, identification and rectification of faults	
7.	Battery:	4-6 Lead Acid Maintenance Free 12 VDC	
8.	Protection:	Automatic shutdown in case of overload and short circuit.	
9.	Interface:	True	
10.	Backup Time:	60 minutes with max allowed load	
11.	Warranty:	On site, one year after sales service	
12.	Onsite installation.	Free	

Note:

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SPECIFICATION OF “HP LASERJET 800ps”

SPECIFICATION OF “HP LASERJET 1708-T” INK CATRIDE

SPECIFICATION OF “HP LASERJET 1708-T” PRINT HEAD SET

Specification of 1. Plotter Cartridges 2. Plotter Heads

Sr.	Item	Specifications	Compliance/ Bidder Response
1.	Plotter Cartridges Set	HP Inkjet 800 PS	
2.	Plotter Cartridges Set	HP Inkjet 1708-T	
3.	Plotter Heads Set	HP Inkjet 1708-T	
4.	Dealership	Authorized Dealership with OEM certification	

Note:

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SPECIFICATION OF “SSD PORTABLE 2TB”

Sr.	Peripherals / Functions	Specifications	Compliance/ Bidder Response
1.	Features	1. Fast NVMe solid state performance in a portable, high-capacity drive 2. Drop protection, IP65 water and dust resistance, X-ray and shock proofing	
2.	Capacity	2 TB	
3.	Connector	USB, Type-C	
4.	Compatibility	Compatible laptop or desktop	
5.	Sequential Read Performance	1050MB/s	
6.	Sequential Write Performance	1000MB/s	
7.	Interface	USB 3.2 Gen 2	
8.	Warranty	05 years replacement warranty but faulty HD will be returned	
9.	Dealership	Authorized Dealership with OEM certification	

Note:

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SPECIFICATION OF “BLUERAY DATA WRITER”

Sr.	Peripherals / Functions	Specifications	Compliance/ Bidder Response
1	Disc Compatibility	CD-R CD-RW DVD-R / DVD+R DVD-R / DVD+R Double Layer DVD-RW / DVD+RW DVD-RAM BD-R BD-R Dual Layer BD-R Triple Layer (BDXL) BD-R Quad Layer (BDXL) BD-R LTH BD-RE BD-RE Dual Layer BD-RE Triple Layer (BDXL) M DISC BD-R M DISC DVD-R M DISC BD-R Dual Layer M DISC BDXL	
2	Write Speed	6X Blu-ray Write Speed, 8X DVD Write Speed, 24X CD Write Speed	
3	Connectivity	USB 3.2 Gen 1 performance with USB 2.0 compatibility	
4	Power	USB powered – AC adapter included in case additional power is needed	
5	Compatible	Compatible with all common CD, DVD, and Blu-ray formats Compatible with BDXL – discs capacities of 100GB and higher	
6	Software	Features Nero Burn & Archive software	
7	Warranty	01 ear comprehensive onsite warranty	
8	Dealership	Authorized Dealership with OEM certification	

Note:

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SPECIFICATION OF “BLUERAY DISK DUAL LAYER”

Note:

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SPECIFICATION OF “DRY BATTERY 17AH”

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Nominal Voltage	12V (10 AH) Dry Battery	
2.	Backup Timing	2-3 hours	
3.	Operating Voltage	220 Volts	
4.	Approx. Weight	6 kg (27.6lbs) ±3%	
5.	Temperature Range	20 to 60 centigrade	
6.	Dimensions	Standard	
7.	Battery type	Lithium ions battery using isothermal, calorimetric & high precision deep cycling	
8.	Battery Components	Cathode, separator, electrolyte, anode, battery cell, battery casing.	
9.	Brands (Preferably)	Daewoo, AGS, VOLTA, OSAKA, Phoenix, Exide or any other good brand or Equivalent	
10.	WARRANTY	Standard	
11.	Onsite installation.	Free	

Note:

The document enlists all requirements in left columns. The bidder shall provide his consent in the rightmost column. The response should be explicit in well-defined specification offered for the components against each row. Any ambiguous and implicit words or quotations (such as **yes, ok, offered, available and provided etc.**) shall be treated as “non-responsive”.

SPECIFICATION OF “GENERATOR BATTERY 150AH”

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Nominal Voltage	12V (150 AH) Heavy Duty Dry Battery	
2.	Backup Timing	2 hours	
3.	Operating Voltage	220 Volts	
4.	Approx. Weight	12.5 kg (27.6lbs) ±5%	
5.	Temperature Range	20 to 60 centigrade	
6.	Dimensions	Standard	
7.	Battery type	Lithium ions battery using isothermal, calorimetric & high precision deep cycling	
8.	Battery Components	Cathode, separator, electrolyte, anode, battery cell, battery casing.	
9.	Brands (Preferably)	Daewoo, AGS, VOLTA, OSAKA, Phoenix, Exide or any other good brand or Equivalent	
10.	WARRANTY	Standard	
11.	Onsite installation.	Free	

Note:

The document enlists all requirements in left columns. The bidder shall provide his consent in the rightmost column. The response should be explicit in well-defined specification offered for the components against each row. Any ambiguous and implicit words or quotations (such as **yes, ok, offered, available and provided etc.**) shall be treated as “non-responsive”.

SPECIFICATION OF “WINDOW SECURITY GRILL (DP&RS)”

Specification of Windows Security Grills (MS Steel) for Switch Room-2

Sr.	Item	Specifications	Compliance/Bidder Response
1.	Width & Height of Grill	8' X 6' (02 Windows)	
2.	Width & Height of Grill	4' X 6' (01 Windows)	

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SPECIFICATION OF “FIRE EXTINGUISHER”

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Nomenclature	Fire-extinguisher cylinders	
2.	Chemical	DCP	
3.	Weight	5Kg	
4.	Material	Good solid steel to stand high pressure and temperature	

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SPECIFICATION OF “ANTIVIRUS/STANDALONE”

Specification of Server + Client based Antivirus (Endpoint Protection 1+250 & 1+20)

Sr.#.	Specifications	Compliance
	Endpoint	
1	Suggested endpoint solution must have Machine Learning Technologies	
2	The suggested solution must support high availability and clustering	
3	The suggested solution must support secure communication between management server and endpoints	
4	The suggested solution vendor must be in the “leaders” quadrant of Gartner’s latest magic quadrant report for at-least six years in a row.	
5	Suggested solution must support below client operating systems: Windows 7, 8, 8.1, 10 and windows 10 Red stone 1	
6	Suggested solution must support below Server operating systems: Windows Server 2008, 2008 R2, 2012, 2012 R2 including standard, enterprise, core & datacenter editions. Windows Server 2016 essentials, standard, datacenter	
7	Suggested solution must be able to detect following type of threats: Viruses (including polymorphic), Worms, Trojans, Backdoors, Rootkits, Spyware, Adware, Ransomware, Keyloggers, Crimeware, Phishing sites and links, Zero-day vulnerabilities and other malicious and unwanted software	
8	Suggested solution must provide Memory Scanning for windows workstations	
9	Suggested solution must include following components in a single agent installed on the endpoint: a. Application, Web and Device control b. HIPS and Firewall	
10	Suggest solution must include Application launch/start control for the windows server operating system.	
11	Suggest solution protection for servers must include dedicated component for the protection against ransomware/Cryptor viruses like activity on shared resources.	
12	Suggested solution must have pre-defined list of scan exclusion for Microsoft applications and services.	
13	Suggested solution should support installation endpoint protection on Servers without restart	
14	Suggested endpoint solution must allow the following: a. Manual scanning b. On access scanning c. On demand scanning d. Compressed File Scanning e. Scan Individual file, Folder and drive f. Script blocking and scanning g. Auto clean, Quarantine infected files h. Registry guard i. Buffer Overflow Protection j. Instant messages (IM) scanning k. Background/idle scanning l. Removable drive scanning upon connection with the system m. Ability to detect untrusted hosts and block upon detection of encryption like activities on the server shared resources	

15	Suggested endpoint solution should be protected with a password to prevent stopping/killing the AV process and for self-protection regardless of user authorization level on the system	
16	Suggested solution must have local and global reputation	
17	Scans both HTTP and FTP traffic against viruses and spyware or any other malware.	
18	Solution must include a personal firewall capable of, but not limited to: <ul style="list-style-type: none"> a. Block network activates of applications based on their categorization b. Block/allow certain packets, protocol, IP addresses, Ports and traffic direction c. Automatic and manual addition of network subnets and modify network activity permissions 	
19	The suggested solution must prevent the connection of reprogrammed USB devices that emulate keyboards and also allow to control the use of on screen keyboard for authorization.	
20	Solution must be able to block network attacks and report the source of infection	
21	Suggested solution must have a proactive approach to prevent malwares from exploiting existing vulnerabilities	
22	Suggested solution must support signature based detection in addition to cloud-assisted and heuristics	
23	The proposed solution should have the ability to alert , clean, delete , quarantine the detected threats	
24	Solution should have the ability to accelerate scanning tasks skipping those objects that have not changed since the previous scan.	
25	Suggest solution must allow administrator to exclude specified files / folders / Application / By Digital Certificate from being scanned either in the on-access scan (real-time protection) or during on-demand scans.	
26	All detected threats (cleaned or active) must be backed up in a central location where all samples can be re-examined or restored	
27	Automatically scans removable drives for malware upon insertion to any endpoint. Scan should be controlled based on drive size	
28	Suggested solution must be able to block the usage of USB storage devices or only allow access to whitelisted devices and allow read/write access by domain users to reduce data theft and enforce lock policies	
29	Suggested solution must be able to differentiate among USB storage devices, printers, mobiles and other peripherals	
30	Suggested solution must be able to log the file operations (Write and delete) on USB storage devices. Stated functionality does not require any additional license or component to installed on the endpoint.	
31	Suggested solution must have ability to block the execution of any executable from the USB storage device.	
32	Suggested solution must have a ability to generate list of trusted Wi-Fi networks based on name, encryption type and authentication type.	
33	Suggested solution must have Ability to block/allow user access to web resources based on websites, content type, user and time of day	
34	Suggested solution must have special detected category to block the website banners.	
35	Suggested solution must have ability to configure Wifi networks based on Network Name, Authentication Type, Encryption Type, that can later be used to block or allow the Wifi connections.	
36	User-based policies for device, web and application control	
37	Suggested solution should allow blocking following devices: <ul style="list-style-type: none"> a. Bluetooth b. Mobile devices c. External modems d. CD/DVDs e. Transferring data to mobile device f. Camera and Scanners 	

38	Suggested solution should contain cloud integration for most up to date updates on malware and potential threats	
39	Suggested solution must have ability to manage user access rights for read and write operations on CDs/DVDs	
40	Suggested solution must have firewall filtering by local address, physical interface, and packet time-to-live (TTL).	
41	Suggest solution must allow administrator to enlist and monitor the application that use custom/random ports when launched.	
42	Suggested solution must support blocking blacklisted applications from being launched on endpoints. Also it must support blocking all applications except "whitelisted" ones	
43	Suggested solution must have cloud-integrated application control component to get latest updates on applications' rating and categories	
44	Suggested solution must have ability to whitelist application based on the digital signature certificate, MD5, SHA256, META Data, File Path, Pre-defined security categories.	
45	Suggested solution must have controls for downloads of DLL and Drivers.	
46	Suggested solution application control must have black list and white list operation modes	
47	Suggested solution must support startup control of scripts from powershell	
48	Suggested solution must support Test mode with report generation on launch of blocked applications	
49	Suggested solution must have ability that restrict application activities within the system according to the trust level assigned to the application and limits the rights of applications to access certain resources, including system and user files.	
50	Suggest solution must have ability to control the system/user applications access to the Audio and Video recording devices.	
51	Suggested solution must provide a facility to check applications listed in each cloud-based category	
52	Suggested solution must have ability to integrate with Vendor Specific Advance Threat Protection system.	
53	Solution must have ability to automatically regulate the activity of the running programs, access to the file system and registry as well as interaction with other programs	
54	Solution must have the ability to automatically delete application control rules for the application if not launched from a specified interval. The interval must be configurable.	
55	Suggested solution must have the ability to automatically categorize the applications launched before/prior to the Endpoint protection installation	
56	Suggested solution must have endpoint mail antivirus protection with; <ul style="list-style-type: none"> a. Attachment filter and ability to rename attachments b. Scan of mail messages when receiving, reading and sending 	
57	Suggest solution must have ability to scan multiple redirects, shortened URLs, hijacked URLs, and time-based delays	
58	Suggest solution must provide ability to the end user/user of the computer to perform check on the file reputation from the file context menu.	
59	Suggested solution must include Scanning of scripts – scanning of all scripts, developed in Microsoft Internet Explorer, as well as any WSH scripts (JavaScript, Visual Basic Script WSH scripts (JavaScript, Visual Basic Script etc.), launched when the user works on the computer, including the Internet.	
60	Protection against still unknown malware based of an analysis of their behavior and examination of changes in the system register, with the option of automatic restoration of system register values changed by the malware.	
61	Protection against hacker attacks by using a firewall with an intrusion detection and prevention system (IDS/IPS) and network activity rules for more popular applications when working in computer networks of any type, including wireless networks.	
62	IPv6 protocol support.	
63	Special task for detecting vulnerabilities, with results available in reports	
64	Scanning of critical sections of the computer as a standalone task.	
65	Application self-protection technology, protection from unauthorized remote management of an application service as well as protection of access to application parameters via password, preventing the disabling of protection from malware, criminals or amateur users	
66	Ability to choose which antivirus components will be installed.	
67	Antivirus checking and disinfection of files packed using program like PKLITE, LZEXE, DIET, EXEPACK, etc.	

68	Antivirus checking and disinfection of files in archives using the RAR, ARJ, ZIP, CAB, LHA, JAR, ICE formats, including password-protected files.	
69	Protection against still unknown malware belonging to registered families, based on heuristic analysis.	
70	Availability of multiple ways to notify administrator about important events that have taken place (mail notification, audible announcement, pop-up window, log entry).	
71	Suggested solution must allow the administrator to create a single installer with required configuration to non-IT literate users.	
72	Dealership: Authorized Dealership with OEM certification	

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SPECIFICATION OF “MODIFICATION OF LAN”

UPGRADATION AND RECONFIGURATION WITH LAN OF DATA STORAGE

1. Connectivity and upgrading storage devices of EMC brand (Centera and VNX) with the newly installed core switches, Active & Passive LAN infrastructure.
2. Splicing of Optical fiber with newly installed Active LAN infrastructure.

The vendor can visit the site and equipment before preparing and submitting technical and financial proposals.

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SPECIFICATIONS - CCTV SYSTEM INCLUDING 09 x IP CAMERAS, 1 x PTZ DOME CAMERA AND 16 CHANNEL NVR WITH ALL REQ ACCESSORIES

Sr. #	Items	Minimum Specifications	Qty	Compliance
1	NETWORK IP CAMERAS	6.0 mega pixel WDR (wide dynamic range)	09	
		Resolution : 3072 x 2048, Max 25fps		
		POE (power over Ethernet) Network camera		
		HLC (Highlight Compensation) & BLC (Backlight Compensation) supported		
		Water proof, Privacy mask, Motion Detection, Digital Defog		
		Face detection, People counting, Tempering Alarm		
		Day/night functionality		
		1/3" progressive scan, CMOS		
		Smart IR up to 30M IR distance		
		2D/3D DNR (Digital noise reduction)		
		Optical Glass Window, IR anti-reflection window		
		Ultra 265, MJPEG, ONVIF Conformance		
		Multiple Stream		
IP 67 or IP 68 Dustproof				
2	NETWORK PTZ DOME CAMERA	4 MP Progressive scan HD up to 1920 x 1080 resolution	01	
		Smart IR up to 100M IR distance		
		30 X Optical Zoom		
		Multiple stream, Micro SD up to 64 GB		
		Digital Zoom Supported		
		IP 66 or 67		
		POE Network camera. HLC and BLC supported		
		Water proof, Privacy mask, Motion Detection, Digital Defog		
		Face detection, People counting, Tempering Alarm		
		Day/night functionality		
		2D/3D DNR (Digital noise reduction)		
		Optical Glass Window, IR anti-reflection window		
		Ultra 265, MJPEG, ONVIF Conformance		
3	NVR	16 channel NVR with 20-25 days recording capacity	01	
		Support 2-ch HDMI, 1-ch VGA, HDMI2 at up to 4K (3840x2160) resolution		
		Up to 12 Megapixel resolution recording		
		Support H.265 video formats		
		4 SATA HDDs, up to 8 TB for each HDD support		
		Support various VCA detection alarm and VCA search		
		Support for P2P, UPnP, NTP, DHCP, PPPoE		
4	LED	Smart TV LED (SONY/SAMSUNG/LG)	01	
		Screen display 32 inch		
		4K (UHD) - 2160p, or 3840 x 2160 pixels		
		HDR		
		Dual screen		
5	UPS	2Kva with Dry Battery upto 150 AH (Exide or Volta), 100 watts rated output, 3 to 4 hours recharge time, 1 Hour backup time	01	
		Complete networking solution for the proposed mode of communication with Optical fibre and Cat-6 (Quote with Fiber Network including Switches, Module, Outdoor/Indoor cabinet etc.)		
6	NETWORKING	Proper power sockets with an weather proof security box for POE's and	01	

		other equipment to keep all the supporting items like POE's, switches etc.		
		Good strength poles for the deployment of cameras.		
		Underground cabling where required, Proper ducting where required		
		Proper power provisioning for each pole to provide electric power.		
		Warranty: 2 year's parts and 3 years' service.		
		All participating vendors/bidders must be registered with Pakistan Engineering Council with field of Specialization, EE02 under relevant class for the year 2023/24. All Bidders must visit office for pre-bid meeting/ consultation for correct bidding.		
	Note:	Wiring with all relevant material must be provided by the vender.		
		Quote Complete wiring package with detail qty and P/RFT cost.		

Note:

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SPECIFICATIONS - CCTV SYSTEM INCLUDING 16 x IP CAMERAS AND 32 CHANNEL NVR WITH ALL REQ ACCESSORIES

Sr. #	Items	Minimum Specifications	Qty	Compliance
1	NETWORK IP CAMERAS	6.0 mega pixel WDR (wide dynamic range)	16	
		Resolution : 3072 x 2048, Max 25fps		
		POE (power over Ethernet) Network camera		
		HLC (Highlight Compensation) & BLC (Backlight Compensation) supported		
		Water proof, Privacy mask, Motion Detection, Digital Defog		
		Face detection, People counting, Tempering Alarm		
		Day/night functionality		
		1/3" progressive scan, CMOS		
		Smart IR up to 30M IR distance		
		2D/3D DNR (Digital noise reduction)		
		Optical Glass Window, IR anti-reflection window		
		Ultra 265, MJPEG, ONVIF Conformance		
		Multiple Stream		
IP 67 or IP 68 Dustproof				
2	NVR	32 channel NVR with 20-25 days recording capacity	01	
		Support 2-ch HDMI, 1-ch VGA, HDMI2 at up to 4K (3840x2160) resolution		
		Up to 12 Megapixel resolution recording		
		Support H.265 video formats		
		2 SATA HDDs, up to 4 TB for each HDD support		
		Support various VCA detection alarm and VCA search		
		Support for P2P, UPnP, NTP, DHCP, PPPoE		
3	LED	Smart TV LED (SONY/SAMSUNG/LG)	02	
		Screen display 40 inch		
		4K (UHD) - 2160p, or 3840 x 2160 pixels		
		HDR, OLED		
		Dual screen		
4	UPS	2Kva with Dry Battery up to 150 AH (Exide or Volta), 100 watts rated output, 3 to 4 hours recharge time, 1 Hour backup time	01	
5	NETWORKING	Complete networking solution for the proposed mode of communication with Optical fiber and Cat-6 (Quote with Fiber Network including Switches, Module, Outdoor/Indoor cabinet etc.)	01	
		Proper power sockets with an weather proof security box for POE's and other equipment to keep all the supporting items like POE's, switches		
		Good strength poles for the deployment of cameras.		
		Underground cabling where required, Proper ducting where required		
		Proper power provisioning for each pole to provide electric power.		
		Warranty: 2 year's parts and 3 years' service.		
		All participating vendors/bidders must be registered with Pakistan Engineering Council with field of Specialization, EE02 under relevant class for the year 2023/24. All Bidders must visit office at Peshawar Station for pre-bid meeting/ consultation for correct bidding.		
Note:	Wiring with all relevant material must be provided by the vender.			
	Quote Complete wiring package with detail qty and P/RFT cost.			

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SPECIFICATION OF “DRY BATTERIES 100AH”

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Nominal Voltage	12V (100 AH) Heavy Duty Dry Battery	
2.	Backup Timing	2 hours	
3.	Operating Voltage	220 Volts	
4.	Approx. Weight	12.5 kg (27.6lbs) ±3%	
5.	Temperature Range	20 to 60 centigrade	
6.	Dimensions	Standard	
7.	Battery type	Lithium ions battery using isothermal, calorimetric & high precision deep cycling	
8.	Battery Components	Cathode, separator, electrolyte, anode, battery cell, battery casing.	
9.	Brands (Preferably)	Daewoo, AGS, VOLTA, OSAKA, Phoenix, Exide or any other good brand or Equivalent	
10.	WARRANTY	Standard	
11.	Onsite installation.	Free	

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SPECIFICATION OF “PRINTER HP LASERJET OR EQUIVALENT”

Sr.#	Functions/ Peripherals	Specifications	Compliance /Bidder Response
1.	Brand	HP / Canon / or equivalent Brand	
2.	Printer	Black	
3.	Size	A4	
4.	Print	Automatic Duplexer both side print (two sides printing)	
5.	Resolution	1200x1200 dpi	
6.	Print Technology	Laser	
7.	Print Resolution Technology	Image	
8.	Print Cartridges Number	1	
9.	Language	Standard print Language used in Pakistan	
10.	Print Management	Default installed SNP, Toolbox FX	
11.	Print Speed	Normal up to 52 ppm or above	
12.	Connectivity	<ul style="list-style-type: none"> • 1 Hi-Speed USB, 1 Fast Ethernet 10/100 /1000 Wireless (Wifi) • Wireless direct3 and NFC touch-to-print4 	
13.	Memory	512 MB or above	
14.	Processor	800 MHz or above	
15.	Duty Cycle	Heavy duty professional	
16.	Input	02 Input tray	
17.	Output	About 250 sheets output bin, 50- sheets multipurpose tray	
18.	Media type	Baond, brochure, colored, glassy, letter head, photo, plain, recycled, films, transparency, label, envelopes, etc.	
19.	Driver	CD/DVD, software / driver compatible with windows 8, 10 or above and LINUX with user guide, documentation, etc.	
20.	Other Accessories	01 cartridges set in addition to pre-installed, Power cords round and flat pins both Pakistan compatible, network cable, all trays, and other relevant accessories.	
21.	Warranty	01 year on site comprehensive	
22.	Dealership	Authorized Dealership with OEM certification	

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SPECIFICATION OF “UPS 1KVA”

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Power	1 KVA with built-in line conditioning AVR, Microprocessor Controller to Protect PC against all Power disturbances power blackout surge	
2.	Model:	Latest (2023 - Till date)	
3.	Input:	220 Volt AC+/- 25% Auto-sensing	
4.	Output:	220 VAC+/-5% 50/60 Hz +/-0.5% Auto-adjustment	
5.	Transfer Time:	4ms (Typical)	
6.	Panel	Smart panel for reading, identification and rectification of faults	
7.	Battery:	Lead Acid Maintenance Free 12 VDC 100AH	
8.	Protection:	Automatic shutdown in case of overload and short circuit.	
9.	Interface:	True	
10.	Backup Time:	60 minutes with complete load.	
11.	Warranty:	On site, one year after sales service	
12.	Onsite installation.	Free	

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SPECIFICATION OF “AC FLOOR STANDING 2 TON”

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Capacity	Floor standing Air conditioners 2 ton, 24000 BTU	
2.	Technology	Inverter	
3.	Operating voltage	220 V AC, 3 Phase	
4.	Frequency	50/60 Hz	
5.	Functionality	Micro based and Manual Sequence controller	
6.	Installation	Indoors and out brackets	
7.	Pipes and Fins	Pure Copper	
8.	Outlet	Drain Pipes	
9.	Services	Complete job of civil works including installation	
10.	Remote control	Adaptive	
11.	Warranty	10 Year compressor, 2 year free service	

Note:

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SPECIFICATION OF “AC INVERTER 1.5/ 2 TON”

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Capacity	Split Air conditioners 1.5/ 2 ton, 18000/24000 BTU	
2.	Technology	Inverter with heat cool	
3.	Operating voltage	220 V AC	
4.	Frequency	50/60 Hz	
5.	Functionality	Micro based and Manual Sequence controller	
6.	Installation	Indoors and out brackets	
7.	Pipes and Fins	Pure Copper	
8.	Outlet	Drain Pipes	
9.	Services	Complete job of civil works including installation	
10.	Remote control	Adaptive	
11.	Warranty	10 Year compressor, 2 year free service	

Note:

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SPECIFICATION OF “DEEP FREEZER TWIN DOOR”

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Size	Approx 30” x 55” x 35”	
2.	Compartments	Dual compartment with 2 door	
3.	Technology	Inverter	
4.	Operating voltage	220 V AC, 3 Phase	
5.	Frequency	50/60 Hz	
6.	Cooling	R-1341 Refrigerant, Energy efficient and low power consumption	
7.	Display	LED Display	
8.	Condenser, Evaporator	Pure Copper	
9.	Freezing time	Frozen for 72 hrs	
10.	Warranty	Minimum 2 year	

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SPECIFICATION OF “REFRIGERATOR 13 CFT”

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Size	Approx 13 – 14 Cft	
2.	Compartments	Dual compartment with multiple trays	
3.	Technology	Inverter	
4.	Operating voltage	220 V AC, 3 Phase	
5.	Frequency	50/60 Hz	
6.	Cooling	R-1341 Refrigerant, Energy efficient and low power consumption	
7.	Display	Inner LED Display	
8.	Condenser	Pure Copper	
9.	Freezing time	Cooling/ Frozen for 24 - 48 hrs	
10.	Warranty	5 Year Compressor warranty Minimum 2 year	

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SPECIFICATION OF “SOLAR PANEL WITH BATTERY”

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Load Capacity	100-150 Watt	
2.	Input	Dual input 3 Phase panel 220V AC/ 12V DC	
3.	Output	220V	
4.	Operating voltage	220 V AC, 3 Phase	
5.	Frequency	50/60 Hz	
6.	Charging	Dual mode charging (Solar and 220 AC)	
7.	Battery	12 Volt 200 AH LiON Dry Battery Using isothermal calorimetric & high precision deep cycling	
8.	Controller/ panel Control	Digital control panel for operating	
9.	Wiring	Pure Copper, Under- ground, Properly insulated and ducted	
10.	Warranty	10 Year panel warranty, 2 Year battery warranty	
11.	All participating vendors/bidders must be registered with Pakistan Engineering Council with field of Specialization, EE02 under relevant class for the year 2023/24. All Bidders must visit office for pre-bid meeting/ consultation for correct bidding.		

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SPECIFICATION OF "LED 50 INCH"

Sl. #	Functions / Peripherals	Specifications	Compliance/Bidder Response
1.	Brand	Panasonic/Sony/Samsung or equivalent	
2.	Series	5 Series	
3.	Type	LED TV	
4.	Screen Type	Flat Screen	
5.	Design	One Design (High Glossy)	
6.	Bezel Width	0.5" Thin	
7.	Stand Type (Color)	Square	
8.	Screen Size	49.5" Measured Diagonally	
9.	Resolution	1920 x 1080	
10.	Motion Rate*	60*Motion Rate replaces Clear Motion Rate as the Samsung measure of motion clarity	
11.	Dolby	Dolby Digital Plus / Dolby Pulse	
12.	Sound Effect	SRS Theater Sound HD	
13.	DTS Premium Sound	DTS 2.0 + Digital Out	
14.	Sound Output (RMS)	10W x 2	
15.	Speaker Type	Down Firing + Full Range	
16.	Connect Share™	Movie	
17.	OSD Language	English, Spanish, French	
18.	Accessories	Closed Captioning, Game Mode, Eco Sensor, Auto Power Off, Clock & On/Off Timer	
19.	HDMI	2	
20.	USB	1	
21.	Component	1	
22.	Composite In (AV)	1 (Common Use for Component Y)	
23.	RF In (Terrestrial/Cable In	1	
24.	Digital Audio Out (Optical)	1	
25.	Audio Out (Mini Jack)	1	
26.	RS232C	Yes	

27.	Digital Broadcasting	ATSC / Clear QAM	
28.	Power Supply (V)	ACI 10-240V 60Hz	
29.	Remote	Standard Remote Control (TM 1240)	
30.	Stand	Mini Wall Mount Compatibility	
31.	Vesa Wall Mount Compatibility	Yes (200 x 200)	
32.	Power Cable	Yes	
33.	User Manual	Yes	
34.	Warranty	01 years on site comprehensive	

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SPECIFICATION OF “WALKI TALKI MOTORALLA”

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Nomenclature	Hand-held portable walkie talkie sets	
2.	Signal Range	5-7 Km	
3.	Input Voltage	5V	
4.	Headphone output	Yes	
5.	Battery	Minimum 1300 mAH 1 Day back-up 1 x Additional battery for back-up	
6.	Charging	Fast charging	
7.	Frequency	400~470 MHz	
8.	Channels	128	
9.	Weight	Light weight (200-400g)	
10.	Repair	Local repair available	
11.	Warranty	5 Year preferred	

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SPECIFICATION OF “PHOTOCOPIER”

Sl#	Functions/Peripherals	Specifications	Compliance
1.	Brand	Toshiba/Cannon/Xerox/Panasonic or equivalent	
2.	Type	Digital Copier	
3.	Function	Copy, Scan, Network print/Scan	
4.	Control Panel	6–7-inch TFT LCD WVGA Colour Touch panel	
5.	Power Supply	230 V +/- 10%, 50 Hz	
6.	CPU	Minimum Intel Atom™ 1.33GHz or above	
7.	Memory	4GB or above	
8.	Hard Disk Drive	320 GB Self-Encrypting Drive FIPS 140-2 Validated or above	
9.	Warm Up-Time	Within 10 sec. Low Power Recovery	
10.	First page out	Less than 4 Seconds or below	
11.	Print Speed	25-30 ppm or above	
12.	Copying Speed	40-45 ppm	
13.	Direct Print	PDF, EPS, TIFF/JPEG etc.	
14.	Paper size	A3, A4, A5, letter, legal, executive, letter-R	
15.	Maximum paper capacity	> 4000	
16.	Multiple Copies	Up to 999	
17.	Exposure Control	Both manual and automatic	
18.	Double exposure	Built in	
19.	Duplex Capacity/Size	Unlimited	
20.	Duplexing	Standard automatic tray less duplexing	
21.	Resolution	Approx. 3600 x 1200 dpi or above	
22.	Magnification (reduction & Enlargement)	25 % to 400%	
23.	Document Handler/ Double Side Printing	Duplex Automatic, Document Feeder	
24.	Document Feeding method	100-sheet Duplexing Automatic	
25.	Scan Resolution	Minimum 600dpi Colour Scanning Built-in	
26.	Copy Resolution	1200x600dpi (interpolated) or above	
27.	Print Resolution	1200x1200dpi or above	
28.	Scan Speed	Minimum 0.7 seconds per page	
29.	LAN Card	1000 Gigabit and Wi-Fi	
30.	Network Protocols	TCP/IP (IPv4, IPv6), NetBIOS over TCP/IP	
31.	Transmission Speed	Approx. 3 seconds per page	
32.	Interface	RJ-45 Ethernet (10/100/1000 Base-T), USB 3.0 (High-Speed), Optional 802.11b/g/n, Wireless LAN, Optional Bluetooth	
33.	Operation Method	Touch Screen Control Panel (Colour)	

34.	Accessibility Features	Tilt Front Panel, Job Programs, Universal Grip for Paper Trays, Disable Screen Timeout and Audible Beep Message Alerts	
35.	Input Capacity:	1140 sheets 2 x 520 and 50 sheets by pass (equivalent or better)	
36.	Output capacity	520 sheets center tray and 100 by pass tray (equivalent or better)	
37.	Repeat image	yes	
38.	Technology	Customer Replacement Unit (CRU), drum, Toner, Fuzer etc.	
39.	Trolley	brand Specific	
40.	Warranty	(Total 1 years) 1 Year Comprehensive with Parts & service on site	
41.	Accessories	Suitable Stand if the height of the machine is not enough to operator the machine	
42.	Delivery, Installation & training	Bidder to deliver and install at destination on its arrangements and will give operational troubleshoot training	
43.	Spare parts availability	Availability of spare parts and after sales services for at least 10 years after the delivery of the machine.	
44.	Dealership	Authorized Dealership with OEM certification	

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SPECIFICATION OF “HYDRAULIC HAND TROLLEY”

Sr. #	item	Details	Compliance/ Bidder Response
1.	Nomenclature	Hand-held trolley	
2.	Operation/ Function	Hydraulic/ Electric	
3.	Loading Capacity	1 Ton	
4.	Lifting Height	Upto 300-500 mm	
5.	Loading Handless	Lever Handle with High Quality Hydraulic System and Good grip for holding	
6.	Loader Floor	Minimum Length 1000 mm Width 500-600 mm	
7.	Material	Solid steel	
8.	Warranty	10 Year panel warranty, 2 Year battery warranty	
9.	All participating vendors/bidders must be registered with Pakistan Engineering Council with field of Specialization, EE02 under relevant class for the year 2023/24. All Bidders must visit office for pre-bid meeting/ consultation for correct bidding.		

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SPECIFICATION OF “EXECUTIVE TABLE WITH CHAIR”

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Executive Table	<p>Rectangular Table measuring 6 ft (L) x 3.75 ft (W) x 2.5 ft (H) with 4 ft (L) x 1.5 ft (W) x 2 ft (H) rack. Table and rack top thickness should be 25 to 30 mm, whereas all other thickness should be 20 to 25 mm.</p> <p>3 Drawers measuring 1.5 wide and 2 ft deep with at least 4 inches high with locks in the table as per approved sample.</p> <p>2 Drawers measuring 1 wide and 1.5 ft deep with at least 3 inches high and 2 x small cabinets in the rack with locks as per approved sample.</p> <p>Made from High Quality Imported Laminated MDF with high-strength rails & handles Material: Walnut, Sheesham or Diyar as required Preferably Good Brand (Interwood, Habitt, Furniture Hub) Warranty: 1 year</p>	
2.	Executive Chair	<p>High Quality cushioned seat and back with imported laminated MDF frame. Good quality 10 years warranty foam covered with high quality leather.</p> <p>Star base and arms made up of high strength steel with Gas lift height adjustment mechanism as approved sample complete in all respects. Lacquer polish of desired quality Preferably Good Brand (Interwood, Habitt, Furniture Hub) Warranty: 1 year</p>	
3.	All Bidders must visit office for pre-bid meeting/ consultation for correct bidding		

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SPECIFICATION OF “ARM CHAIR RAGZEN”

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Dimensions	Standard size	
2.	Material	Dry keeker or tali wood frame, Arms, seat and back with high quality rexine	
3.	warranty	10 years foam, 1 year structure	
4.	Quality	Good quality of material used	
5.	Polish	Lacquer of desired quality with shine	
6.	Back	Imported laminated MDF frame.	
7.	Seat	Cushioned	
8.	All Bidders must visit office for pre-bid meeting/ consultation for correct bidding		

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**SPECIFICATION OF “OFFICER TABLE & OFFICER CHAIR”,
and SPECIFICATION OF “OFFICE TABLE & OFFICE CHAIR”**

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Officer Table	<p>Rectangular Table measuring 5.5 ft (L) x 3 ft (W) x 2.5 ft (H) with 3 ft (L) x 1.5 ft (W) x 2 ft (H) rack Table and rack top thickness should be 20 - 25mm, whereas all other thickness should be 20 to 25 mm.</p> <p>3 Drawers measuring 1.5 wide and 2 ft deep with at least 4 inches high with locks in the table as per approved sample.</p> <p>The side rack must have 2 shelves with sliding tray for keyboard and mouse.</p> <p>Made from High Quality lamination/vim board with solid wooden frame.</p> <p>High-strength rails & handles</p> <p>Lacquer polish of desired quality.</p> <p>Warranty: 1 year</p>	
2.	Office Table	<p>Rectangular Table measuring 4.5 ft (L) x 3 ft (W) x 2.5 ft (H) with 3 ft (L) x 1.5 ft (W) x 2 ft (H) rack. Table and rack top thickness should be 20 - 25mm, whereas all other thickness should be 20 to 25 mm.</p> <p>2-3 Drawers measuring 1.5 wide and 2 ft deep with at least 4 inches high with locks in the table as per approved sample.</p> <p>The side rack must have 2 shelves with sliding tray for keyboard and mouse.</p> <p>Made from High Quality lamination with solid wooden frame.</p> <p>High-strength rails & handles</p> <p>Warranty: 1 year</p>	
3.	Officer Chair	<p>High Quality cushioned seat and back with plywood/lamination frame.</p> <p>Good quality 10 years warranty foam covered with high quality Rexine.</p> <p>Star base and arms made up of high strength steel with Gas lift height adjustment mechanism</p> <p>Lacquer polish of desired quality.</p> <p>Warranty. 1 year.</p>	
4.	Wooden Office Chair	<p>High quality square iron pipe frame with wooden arm rests.</p> <p>Seat and Back Plastic Canning.</p> <p>Standard size with Pipe Gray and Wood Polish</p> <p>Warranty. 1 year</p>	

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SPECIFICATIONS – WOODEN CHAIR WITHOUT ARM

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Dimensions	Standard size	
2.	Material	Square Iron Pipe Structure Seat, Back Wooden Seat & Back Plastic Canning	
3.	warranty	1 year structure	
4.	Quality	Good quality of material used	
5.	Color	Pope Gray Wood Polish	
6.	Back and Seat	Cushioned	
7.	All Bidders must visit office for pre-bid meeting/ consultation for correct bidding		

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SPECIFICATIONS – COMPUTER TABLE

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Dimensions	Standard size 1375 mm x 600 mm table top size, 1300 mm x 525 mm table frame size with 750 mm height. Frame legs fitted with plastic boots.	
2.	Material	<p>Square iron pipe structure measuring 25 mm x 25 mm with 14 – 16 SWG thickness and painted in high quality silver colour enamel.</p> <p>1 x horizontal bracing frame at the level of 400 mm above ground along the two shorter sides and along long side at back. 1 x horizontal bracing frame along around 75 mm above the ground.</p> <p>¾ “thick high quality sheesham vim board with high quality polish in walnut colour and fixed with high quality plastic ending (gola)</p>	
3.	Quality	<p>1 x 300 mm wide x 450 mm long with 100 mm depth drawer made up of ¾ “thick high quality sheesham vim board with plastic gola all around. Applied with high quality polish in walnut colour.</p> <p>1 x 600 mm wide x 250 mm long with 55 mm depth keyboard & mouse tray made up of ¾ “thick high quality sheesham vim board with plastic gola all around. Applied with high quality polish in walnut color.</p>	
4.	Color	Steel colour high strength soft-close iron/steel channels having 400 mm length for drawer and 250 mm length for key board/mouse tray.	
5.	All Bidders must visit office for pre-bid meeting/ consultation for correct bidding		

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SPECIFICATIONS – COMPUTER CHAIR

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Dimensions	480 mm x 420 mm x 60 mm Seat with 400 mm x 400 x 60 mm back	
2.	Material	Solid Seasoned sheesham wood with proper closely knit rubber strips with raw cotton filled and on top fitted with 1st quality foam and covered with durable tapestry cloth. Oval shaped high quality durable plastic arms. 5-Star configuration steel revolving base with adjustable threaded pedestal with proper locking systems and fitted with durable load bearing wheels.	
3.	warranty	1 year	
4.	Quality	Good quality durable and long lasting material used	
5.	Color	Grey or Black	
6.	All Bidders must visit office for pre-bid meeting/ consultation for correct bidding		

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SPECIFICATIONS – SOFA SET WITH TABLE

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	5 Seater Sofa	<p>5-SeaterSofa with 1 x 3 person and 2 x 1 person seats. Sofa frame made from high quality wood structure.</p> <p>Cushioned with high-quality 4 to 5 inches thick Foam Seats and 2 in inches thick foam sheet with 10 years warranty preferably Molty foam.</p> <p>Foam Seats securely fitted on to well-knit rubber belts.</p> <p>Seats and Sofa covered with high quality Rexine fixed over well-packed Foam sheets as per above specs.</p>	
2.	Table Set	Standard Center Table Set consisting of 1 x large table along with 2 x side tables made from high quality seasoned wood. Good quality polish in brown color or as desired by purchaser.	
3.	warranty	Foam 10 year	
4.	Quality	Good quality durable and long lasting material used	
5.	Color	Sofa rexine color may be dark brown or Black, as desired by purchase.	
6.	All Bidders must visit office for pre-bid meeting/ consultation for correct bidding		

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SPECIFICATIONS – ALMIRAH STEEL

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1.	Dimensions	2 Doors Steel Almirah measuring 5.5feet high, 3.5 feet wide and 1.5 feet deep	
2.	Sections	5 x shelve using 16 Gauge Steel sheet including handles, locks, stand etc complete in all respect.	
3.	Quality	Good quality steel	
4.	Color	Steel	
5.	All Bidders must visit office for pre-bid meeting/ consultation for correct bidding		

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SPECIFICATIONS – ALMIRAH WOODEN STANDING AND WALL MOUNTED

Sr. #	Nomenclature	Details	Compliance/ Bidder Response
1	Dimensions	2 Doors Wooden Almirah measuring 5.5feet high, 3.5 feet wide and 1.5 feet deep	
2	Sections	5 x shelves including handles, locks, stand etc complete in all respect.	
3	Quality	Should have high quality structure and material as desired by the user	
4	Color	Selection by user	
5	Mounting	Ground placement Almirah as well as wall mounted, wall panel mounted with lock	
6	All Bidders must visit office for pre-bid meeting/ consultation for correct bidding		

Note:

The document enlists all requirements in left columns. The bidder shall provide his consent in the rightmost column. The response should be explicit in well-defined specification offered for the components against each row. Any ambiguous and implicit words or quotations (such as **yes, ok, offered, available and provided etc.**) shall be treated as “non-responsive”.

CONTRACT

GOVERNMENT OF PAKISTAN
(MINISTRY OF DEFENCE)
SURVEY OF PAKISTAN
SURVEYOR GENERAL'S OFFICE
RAWALPINDI

Contract No. /15-G-4/()/St, dated: - -2024

Refers Supplier's Tender No.

An agreement made the _____ day of ----- Two Thousand-Twenty-Four between the President of Pakistan (herein after called the "PURCHASER" on the one part and M/s. ----, "SUPPLIER" on the other part.

Whereby it is agreed that the Purchaser shall purchase and the Supplier shall sell the stores as described in the schedule given hereunder at the price mentioned therein already transmitted through letter of intent subject to the special conditions as follow:

SUPPLY SCHEDULE

Description of Stores	Qty/ (Units)	Bill in name of	Rate per unit (Rs.)	Total Cost (Rs.)	Delivery Date
		Drawing & Disbursing Officer, Surveyor General's Office, Survey of Pakistan, Rawalpindi			On or before
Total:					

WARNING: Any information about the sale/purchase of the stores under this contract shall not be communicated to any person, other than the manufacturer of the stores or to any press or agency not authorized by the Surveyor General of Pakistan/Ministry of Defence to receive it. The breach of the undertaking shall be punishable under the Official Secrets Act, 1923

CONTRACT CONDITIONS/CLAUSES:

- 1). **Name of consignee:** The Surveyor General of Pakistan, Survey of Pakistan, Faizabad, Rawalpindi.
- 2). **Cost Dubitable to Head:** A0900-Physical Assets.
- 3). **Supplier's Name an Address:** A0960-Purchase of Computer Equipment
- 4). **Supplier's NTN No.** M/s.
- 5). **Supplier's Sales Tax Reg. No:**
- 6). **Date of Delivery:** -
- 7). **Maker's Name & Brand:** -
- 8). **Dispatch Instructions:** The stores will be dispatched to the consignee under firm's own arrangements. No part supply will be allowed in any case. Each item will be packed/marked as per relevant paper's particulars governing the supply of store/standard/trade marking worthy of transportation by Rail/Road/Air within Pakistan so as to ensure their safe arrival at ultimate destination without any loss or damaging.
- 9). **Packing & Marking Instructions:**

- 10). **Inspection:**
- a) Inspection Authority: **Technical Evaluation Committee (TEC)**
 - b) Inspection Officer: **Chairman Technical Evaluation Committee**
 - c) Place of Inspection: **Consignee's Premises**
 - d) The Inspecting Officer will be informed 02 working days in advance about the time for inspection
- 11). **Checking of Stores of Consignee's End:** All stores will be checked at consignee's premises in the presence of supplier's representatives. If, for the reasons of economy or other the supplier decides not to nominate his representative for such checking, then advance written notice to this effect will be given by the supplier to the **Senior Stores Officer, Surveyor General's Office, Survey of Pakistan, Rawalpindi** under intimation to **CPC** prior to or immediately on delivering stores. In such an event, the supplier will clearly under take the decision of consignee with regard to quantities and description of a consignment, which will be taken as final and if any discrepancy found will according be made up by the supplier.
- 12). **Terms of Payment:**
- a) 100% payment of value of the stores supplied will be paid to M/s. -----, through Cheque by submission of bills duly supported by the **NOC** from **TEC**
 - b) Bill will be furnished to the SSO, SGO, Rawalpindi, which will subsequently be submitted to AGPR, Islamabad by the consignee.
- 13). **Taxes & Duties:**
- a) **Duties & Taxes Applicable:** The prices quoted are inclusive of all kinds of duties and taxes. The purchaser shall not be liable for reimbursement of duties and taxes on the contracted goods other than those given in the quoted rates. The payment of element of taxes and duties, which are included in quoted rates, will be made to the supplier only after production of duly authenticated documentary proof of its payment to the respective department. In case fresh taxes and duties are levied by the government after opening of the tender will signing of the contract and during the currency of the contract i.e., within the original delivery period) or if the existing rates of taxes are increased after opening of the tender and during the currency of the contract, liability shall be of the purchaser and the same shall be reimbursed by the AGPR, Islamabad to the supplier at actual, on production of documentary proof of his payment duly authenticated. In case of any subsequent decrease in existing or future duty or taxes by the Govt. after opening of tender and during the currency of the contract the liability shall be of the supplier and the supplier shall reimburse the same to AGPR, Islamabad under intimation to purchaser.
 - b) For release of payment, the supplier would be required to furnish the following documents to **SSO, SGO**.
 - i Proof of registration with Sales Tax Department (Copy of Registration Certificate).
 - ii Sales Tax Invoice in original showing description/quantity/value of good and current amount of Sales Tax leviable thereon.
- 14). **Bank Guarantee Clause:**
- a) To ensure timely and correct supply of stores and smooth execution of warrantee conditions the firm will furnish a bank guarantee/draft from a schedule bank for an amount of 5% of the total value of the contracted stores amounting to **Rs. -----** to **CPC**. After completion of warrantee period i.e. 03 years from the date of signing of **NOC** by **PC** the supplier will request the **CPC** through **SSO** for the withdrawal of bank guarantee/draft. The bank draft will be encased/deposited in SoP's bank account. The bank draft shall be produced by the supplier within 07 days from the date of issue of letter of intent/signing of contract deed and shall remain in force till completion of the warrantee period beyond the date of inspection.

b) If the supplier fails to produce the bank guarantee/draft within the specified period, the Surveyor General of Pakistan reserves the right of concealing the contract at the risk and expense of the supplier. In the event of un-satisfactory performance or of any breach of terms of the contract, the bank guarantee/draft shall be forfeited to the government at the discretion of the purchaser. On satisfactory performance of the contract the bank guarantee/draft will be returned to the supplier by CPC, on receipt of clearance from the Consignee.

c) Bank guarantee/draft furnished against this contract is un-conditional and encashable at the will of purchaser. Supplier undertakes not to hinder/restrain its encashment through court, extra judicial or any other way (including administrative process).

15). **Supplier Warranty/Guarantee:**

a) The supplier shall furnish warranty for the stores under supply against defects in material workmanship, and satisfactory performance for one year with parts and one-year free service. The stores will be of the high-test grade and consistent with general expectable standard for the stores of type ordered in full conformity with governing specifications and performance of stores with the liability of replacing defective/unacceptable part free of cost within **07 days** by the supplier on receiving the discrepancy report, failing which the purchaser shall have the right to purchase the stores (against the stores declared defective) at the supplier's risk and expense. The supplier also undertakes to make good the deficiency in supply, if any.

b) Supplier's warranty shall be provided to the consignee along with the store.

16). **Inspection after Expiry of Delivery Period:** Unless informed and directed to the contrary during the currency of the contract, the Inspection Officer will continue the inspection of the stores at firm's risk even after expiry of delivery period. Such acceptance will not prejudice the purchaser's right to cancel the contract or to extend the delivery period with or without liquidated damages.

17). **Failure and Termination:** Should the supplier fail to deliver the stores within stipulated period of supply, on the expiry; the purchaser shall be entitled at his option to take either of the following actions:

a) To cancel the contract or purchase from elsewhere the stores not delivered, at risk and expense of the supplier and without notice to him. The supplier shall also be liable to any loss which purchaser sustains on this account but shall not be entitled to any gain of repurchase.

b) To make the supplier pay liquidation damages for the period of delays in supply up to the rate of 2% of the contract value un-supplied stores per month or part of a month for the period exceeding the original delivery period subject to the provision that total liquidation damages thus levied will not exceed 10% of the total contract value.

c) If contract of the firm is cancelled at 'Risk and Expense' then the latest equivalent of their cancelled stores will be purchased at 'Risk and Expense' of the concerned firm if the cancelled type/category is not available in the market. Similarly an item of contract on FOR (indigenous) basis may be produced at risk and expenses of the firm on FOR (Imported) basis and vice-versa in the interest of the state.

18). **Force Majeure:** Force Majeure shall mean any event, act or other circumstances, not being an event, act or circumstance, under the control of the purchaser or of the supplier. Non-availability of raw material from the manufacturer of stores, or of export permit for the export of the contracted stores from the country of its origin, shall not constitute Force Majeure.

19). **Special Instructions:
Warranty/Guarantee:**

a) The supplier has to provide warranty/guarantee of the stores supplied for a period of 01-year standard warranty including repair, servicing and replacement of parts from the date of issuance of NOC by the **CPC**. The supplier shall replace the defective stores free of cost. Warranty/Guarantee Certificate with regards to all items being supplied would be provided to the consignee along-with the stores.

- b) Trade mark of all items should be quoted clearly. On receipt, if any stores are found to be otherwise it will be changed/ replaced free of cost.
- c) The Supplier will be strictly bound to supply the contracted stores as per tendered specifications, and fulfill all responsibilities in this regard.

20). **Litigation:** In case of any dispute, only court of jurisdiction at Rawalpindi shall have the jurisdiction to decide the matter.

SIGNATURES

PURCHASER

SUPPLIER

Designation	Chairman Purchase Committee
Name	
Signature	
For and on behalf of the President of Islamic Republic of Pakistan.	

Name	
Designation	
Signature	



GOVERNMENT OF PAKISTAN
Ministry of Defence
SURVEY OF PAKISTAN
Surveyor General's Office, Rawalpindi
Tele: 051-9290227; Fax: 051-9290229

No. 27-F-2/(CBA)/St
Dated: /December, 2023

To,
The Director Advertisement,
Press Information Department,
Zero Point, Islamabad.

Sub: **PUBLICATION OF CLASSIFIED ADVERTISEMENT**

Please arrange to publish enclosed Tender Notice according to the requirements as specified hereunder:

1	Language	One English (The News) & One Urdu (Daily Express)
2	Region	Rawalpindi/Islamabad
3	No. of Insertion	Only one insertion
4	Date of Insertion	31-12-2023
5	Special Instructions	Due to limited funds insertion may be restricted as minimum as possible.

2. Necessary funds to meet the expenditure on above advertisement are available. Therefore, after publication of tender, bill in duplicate in the name of Drawing & Disbursing Officer, Surveyor General's Office, Survey of Pakistan, Rawalpindi along with copy of tenders published may be sent to the undersigned, for payment in due course, please.

(MUHAMMAD ASGHAR)
Senior Store Officer

N.O.O.

Copy to:	1	Mr. Nadeem Ahmad Ch., DSG-II/CPC.	For information along with a copy of Tender Notice with the request to ensure your presence on 16-01-2024 in opening date of bids please
	2	Mr. Muhammad Arshad Iqbal, DP&RS/PD/MPC.	
	3	Mr. Shah Muhammad, DP&G/MPC.	
	4	Maj. Amir Shahzad, Manager Maintenance (EME)/MPC.	
	5	Mr. Aftab Nazir Ahmad, DD/MTEC.	
	6	Mr. Junaid Memon, AD/MTEC.	
	7	The Drawing & Disbursing Officer, SGO along with a copy of Tender Notice for information, please.	



GOVERNMENT OF PAKISTAN
Ministry of Defence
SURVEY OF PAKISTAN
Surveyor General's Office, Rawalpindi
Tele: 051-9290227; Fax: 051-9290229

No. 27-F-2/(CBA)/St
Dated: /December, 2023

To,

The System Analyst, PPRA,
Federal Bank for Cooperative (FF),
G-5/2, Islamabad.

Att: Mr. Rizwan Mahmood

Sub: **TENDER NOTICE**

A tender notice regarding purchase of **31 x Items** by Survey of Pakistan, Faizabad, Murree Road, Rawalpindi along with bidding documents containing detailed terms and conditions, specifications, evaluation criteria, contract specimen & prescribed tender form is attached herewith.

2. It is requested that above documents may kindly be placed at your's website at the earliest. The web page which is audit requirement may also be sent along with your bill.
3. The closing date of the tender is **16-01-2024**, please.

(MUHAMMAD ASGHAR)
Senior Store Officer

N.O.O.

Copy to: In-charge IT (MPO) with the request to upload Tender Notice on Department's website, please.