



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	Plotter	04	05-04-2024
2	PT with Stand & Sight Rules	30	
3	Biometric System	02	
4	Tent (F-Class)	10	
5	Tent (J-Class)	10	
6	Multimedia	04	
7	Deep Freezer Twin Door	01	
8	Refrigerator 13CFT	01	
9	Solar Panel	02	
10	Battery for Solar	05	
11	LED 50"	01	
12	Walki Talki Motorola Set or equivalent	05	
13	Hydraulic Hand Trolley	01	
14	Antivirus/Standalone	01	
15	CCTV System NVR with 06 x IP Cameras for CDBA, Rawalpindi.	01	
16	CCTV System 09 x Cameras + 01 PTZ, NVR 16 Channel & Accessories with Installation for SGO, Rawalpindi Station.	01	
17	CCTV System (NVR 32 Channel), HDD (14TB), Cat6 with connector, 2 LED 40", 16 IP Cameras & Switches etc., for Peshawar Station.	01	
18	CCTV System Including 23 X IP Cameras, 2 X PTZ Dome Camera and 32 Channel NVR with All Req Accessories, for Quetta Station.	01	
19	23 x petty Items with quantity are mentioned in Bidding Documents as per Annex-A		

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 **05-04-2024** at **10:00 hrs**. Bids will be opened the same day at **10:30 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 **10:00 hrs** on **05-04-2024**. These will be opened at **10:30 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: -04-2024 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**

1. SPECIFICATION OF “PLOTTER”

Sr. #	Peripherals/Functions	Specifications	Compliance/ Bidder Response
1.	Brand	Renowned Brand commonly used in Pakistan	
2.	Model size	1118mm	
3.	Print speed	180 A1/hr, 19.3 sec/A11	
4.	Print resolution	Up to 2400 x 1200 optimized dpi	
5.	Printhead Nozzles	2112 each color	
6.	Technology	Thermal or Inkjet	
7.	Ink types	Dye-based (C, M, Y, pK, G); Pigment-based (mK)	
8.	Ink Droplet Size	6 pl	
9.	Print heads	3 universal printheads, 2 colors each	
10.	Line accuracy	±0.1% or less	
11.	Minimum line width	0.02 mm (PDF addressable at 1200 dpi);	
12.	Handling	Single-roll: Sheet feed, roll feed, automatic horizontal cutter Dual-roll: Sheet feed, two automatic roll feeds, automatic roll-switching, media bin, automatic horizontal cutter	
13.	Standard sheets	A4, A3, A2, A1, A0	
14.	E-print Capability	Yes	
15.	Media Roll Outer	170 mm	
16.	Grammage	60 to 328 g/m ²	
17.	Thickness	Up to 0.8 mm	
18.	memory	128GB	
19.	Hard disk	500 GB self-encrypting	
20.	Media Type	Bond And coated paper (bond, coated, heavy weight coated, super heavy weight plus matte) Technical Paper(natural tracing, translucent bond) film(clear comma matte), photographic paper(satin, gloss, semi-gloss, matte, high gloss), backlit, self-adhesive(polypropylene, vinyl), blueprint	
21.	Interfaces	Gigabit Ethernet (10/100/1000Base-T), supporting the following standards: TCP/IP, Boot IP/DHCP (IPv4 only), DHCPv6, TFTP (IPv4 only), SNMP (v1, v2c, v3), Apple Bonjour Compatible, WS Discovery, line printing daemon, Inter printing protocol, NTLM v2, SMBv3, authentication (LEAP, PEAP, EAP-TLS), and wifi.	
22.	Print languages (standard)	PostScript Printer: Adobe PostScript 3, Adobe PDF 1.7, HP-GL/2, HP-RTL, TIFF, JPEG, DWG, CALS G4; Non-PostScript Printer: HP-GL/2, HP-RTL, TIFF, JPEG, CALS G4	
23.	Print languages (optional)	Non-PostScript Printer: Adobe PostScript 3, Adobe PDF 1.7	

24.	Printing paths	Direct printing from USB flash drive, print from network shared folder, email printing, driver for latest Windows,	
25.	A0 size drawing print	37 sec	
26.	Non-Printable Area(cut-Sheet)	3x17x3x3mm	
27.	Drivers	PostScript Printer: Raster, PostScript and PDF drivers for Windows 10 or later, Non-PostScript Printer: Raster drivers for Windows 10 or later,	
28.	Environmental	ENERGY STAR, ErP, WEEE, RoHS (EU), REACH, EPEAT	
29.	Power Consumption	<100W(printing), <24W(Ready), <0.3W(Sleep) Power cable Round Pin Pakistan compatible	
30.	Warranty	One-year hardware warranty.	
31.	Dealership	Authorized Dealership Gold / Higher with manufactural authorization letter	
32.	Cartridges	One set of extra cartridge	

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”.

2. SPECIFICATION OF “PT WITH STAND & SIGHT RULES”

Sr. #	Peripherals/ Functions	Specifications	Compliance/ Bidder Response
1	<u>Plane Table</u>	Wooden board made up of seasoned Diyar wood measuring 750 mm x 600 mm with 20 mm thickness with 2 x braces measuring 300 mm x 580 mm with 25 mm thickness made from seasoned Diyar wood. Having 190 mm diameter round base plate having 7 mm thickness made of steel/sliver securely screwed up with 2 mm thick and 60 mm outer dia flange and 25 mm outer dia (& 15 mm inner dia) and 15 mm projecting threaded brass socket for bolting stand. All complete as per sample.	
	<u>PT Stand</u>	<p>Wooden PT Stand / tripod made up of seasoned Diyar wood and having 3 equal-sized and length legs and each following sepcs:</p> <ul style="list-style-type: none"> • Length/height – 1200 mm • 2 x 30 mm x 15 mm wooden pieces • 1 x 120 mm long & 18 mm thick trapezoidal wooden brace at the center having 45 mm upper width at one end and 35 mm lower width at the other end. • 65 mm long 25 mm wide & 1.5 mm thick pointed steel shoe at bottom projecting out by 25 mm. • 1 x 160 mm long bolt made up of brass having 5 mm thickness and 40 cm long threads on both ends and with 2 x 35 mm wide & 2 mm thick butterfly nets for both ends. • Edges must be beveled. • All complete as per sample. <p><u>PT Stand Top Support:</u> PT Stand top triangular support made of seasoned Diyar wood with following dimensions:</p> <ul style="list-style-type: none"> • Each projecting piece measuring 70 mm x 50 mm (thick). • 2 x co-centric holes at center. Outer hole having 52 mm dia with 4 mm depth, whereas, inner having 27 mm dia with 46 mm depth (going through & through) for securing stand bold into PT Base Plate. • Stand bolt made up of brass having 60 mm length and 15 mm thickness with 20 mm long threads and having 65 mm wide & 6 mm thick butterfly bolt head far easy operation. <p>All complete as sample.</p>	

<u>Sight Rule</u>	<p>Wooden sight Rule made up from seasoned Diyar wood with 76 mm length, 18 mm thickness and having 45 mm width at bottom and 30 mm width at the top.</p> <p>1 x sight at one end made up of brass and measuring 19 mm wide, 100 mm high with 70 mm long beveled 0.5 mm wide slit along the center and 1 x 1 mm size hole at the top to tie string.</p> <p>1 x sight at other end made up of brass and measuring 19 mm wide, 100 mm high with 70 mm long 10 mm wide opening and 2 x 1 mm size holes at the top & bottom to tie string</p> <p>The sight should have 45 mm long and 18 mm wide 5 mm thick with 2 mm deep cut at center base for securely fixing the sight onto the sight rule with help of screws. A 35 mm long diagonal U-shaped support tightened with sight rule with help of screws/nuts.</p>	
<u>Warrantee</u>	2 years	

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”.

3. SPECIFICATION OF “BIOMETRIC SYSTEM”

Sr. #	Peripherals/ Functions	Specifications	Compliance/ Bidder Response
1	Brand	Any	
	Model	Latest	
	Access Control Interface	Electric Lock, Door Sensor, Exit, Button Alarm, Door Bell	
	Standard Functions	Work code, SMS, DLST, Self Service Query, Automatic status, switch anti-pass back, Back up Battery	
	Thumb Impression	Fast and Latest Version	
	RFID	Yes	
	Password	Yes	
	Fingerprint Capacity (Templates)	3000	
	Transaction Capacity (Logs)	10,00-15,000	
	Complete HR Management Software	Yes	
	SDK for Software Development	Yes	
	TCP/IP, USB Host RS232/485	Yes	
	Built-in Lithium Battery Backup	04-06 Hours	
	Algorithm Software Version	Fast and Latest Version	
	Speaker Voice Prompt	Yes	
	Identification Speed	01 Sec	
	Detection Speed	01 Sec	
	Door Access Control system	Yes	
	TFT Color Screen	03 Inch	
	Built-in WIFI	Yes	
GPRS	Yes		
Installation	Complete Installation with software and hardware		
Warranty	3 Years		

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”.

4. SPECIFICATION OF “TENT (F-CLASS)”

Sr. #	Peripherals/ Functions	Specifications	Compliance/ Bidder Response
1	Tent J Class	<p>Double ply & double fly Tent inside measuring 8 ft wide and 11 ft long made out of 400 to 600 g/m² 100% Cotton Canvas rot & water proof & fireproof (Optional). The tent has 3 ft high side walls. Tent has a height of 8 ft at the center with 2 x 3 in dia & 10 ft long bamboo vertical supports at edges and 1 x 3 in dia & 11 ft long horizontal support on top of two long vertical supports. Vertical supports must have 3/8 to 1/2 in dia steel pins projecting out by 5 inches for tightening ropes. The horizontal support must have round shaped steel connectors at both ends and having 2-inch dia, 2 mm thickness with 1/2 inch dia hole at the center to receive vertical post pin. On two shorter sides, the tent should have openable qannat panels, conforming to the shape of opening. A blue or brown inner layer made up of cotton cloth should be fixed to enhance interior of the tent. At rear end of tent there should be double ply but single fly semicircular attached partition (for bath or cooking) some 3.5 ft wide at center. Inside tent should have Cotton Canvas rot & water proof & fireproof (Optional) daree</p> <p>Tent package must include 22 steel pegs each measuring 15 inches long and 1/2 dia with hooks at one end and point edge at the other end. There should be 15 small pegs measuring 6-inch length with 3/8-inch dia with hook at one end and pointed end at other side. The tent should durable and good in wind and outdoor camping conditions. It should be easy setup in all weather, easy to take down, easy to roll up.</p> <p>Tent should be with all parts mentioned above along 1 x 1/2 kg hammer and complete in all respects.</p> <p>Warranty: - 3 years from the date of inspection</p>	

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”.

5. SPECIFICATION OF “TENT (J-CLASS)”

Sr. #	Peripherals/Functions	Specifications	Compliance/ Bidder Response
1	Tent F Class	<p>Double ply & single fly Tent inside measuring 8 ft wide and 8 ft long made out of 400 to 600 g/m² 100% Cotton Canvas rot & water proof & fireproof (Optional). The tent has 3 ft high side walls. Tent has a height of 8 ft at the center with 2 x 3 in dia & 10 ft long bamboo vertical supports at edges and 1 x 3 in dia & 11 ft long horizontal support on top of two long vertical supports. Vertical supports must have 3/8 to 1/2 in dia steel pins projecting out by 5 inches for tightening ropes. The horizontal support must have round shaped steel connectors at both ends and having 2-inch dia, 2 mm thickness with 1/2 inch dia hole at the center to receive vertical post pin. On two shorter sides, the tent should have openable qannat panels, conforming to the shape of opening. A blue or brown inner layer made up of cotton cloth should be fixed to enhance interior of the tent. At rear end of tent there should be double ply but single fly semicircular attached partition (for bath or cooking) some 3.5 ft wide at center. Inside tent should have Cotton Canvas rot & water proof & fireproof (Optional) daree</p> <p>Tent package must include 14 steel pegs each measuring 15 inches long and 1/2 dia with hooks at one end and point edge at the other end. There should be 15 small pegs measuring 6-inch length with 3/8-inch dia with hook at one end and pointed end at other side.</p> <p>The tent should durable and good in wind and outdoor camping conditions. It should be easy setup in all weather, easy to take down, easy to roll up.</p> <p>Tent should be with all parts mentioned above along 1 x 1/2 kg hammer and complete in all respects.</p> <p>Warranty: - 3 years from the date of inspection</p>	

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”.

6. SPECIFICATION OF “MULTIMEDIA”

Sr.	Functions / Peripherals	Specifications	Compliance
1.	Brand	<u>Renowned Brand</u>	
2.	Projector type	1-Chip DLP™ projector	
3.	Panel size	17.0 mm (0.67 in) diagonal, 16:10 aspect ratio	
4.	Display method	DLP™ chip x 1, DLP™ projection system	
5.	Number of pixels	2,304,000 (1920 x 1200) pixels	
6.	Light source	Light Emitting Diode	
7.	Light output	3,500 lm or above	
8.	Time until light output declines to 50 % *2	20,000 hours or above	
9.	Resolution	1920 x 1200 pixels	
10.	Contrast ratio	30,000:1 (When [Light power] is set to [Normal] and [Picture Mode] is set to [Dynamic])	
11.	Screen size [diagonal]	1.02–7.62 m (40–300 in), 16:10 aspect ratio	
12.	Center-to-corner zone ratio	90%	
13.	Lens	1.3x manual zoom (throw ratio: 1.28–1.69:1)	
14.	Lens shift (From the origin point of the lens mounter)	Vertical: +50 %, +40 %	
15.	Keystone correction range	Vertical: ±30 °	
16.	Installation	Ceiling/floor, front/rear, 2-axis 360-degree installation	
17.	HDMI IN 1/HDMI IN 2	HDMI 19-pin x 2 (HDCP and Deep Color compatible), CEC supported	
18.	COMPUTER 1 IN	D-sub 15-pin (female) x 1 (RGB/YBPBR/YCBCR)	
19.	COMPUTER 2 IN	D-sub 15-pin (female) x 1 (RGB/YBPBR/YCBCR)	
20.	COMPUTER OUT	D-sub 15-pin (female) x 1 (RGB/YBPBR/YCBCR)	
21.	VIDEO IN	Pin jack x 1	
22.	AUDIO 1 IN/AUDIO 2 IN	M3 stereo mini-jack x 2	
23.	VARIABLE AUDIO OUT	M3 stereo mini-jack x 1	
24.	SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)	
25.	LAN	RJ-45 x 1 for network control, 10Base-T, 100Base-T, compatible with PJ Link™ (Class 1)	
26.	Micro USB	x 1 (for service use)	
27.	DC OUT	USB Connector (Type A) x 1 (for power supply, DC 5 V/2 A)	
28.	Power supply	AC 100–240 V, 50/60 Hz	
29.	Power consumption	NORMAL: 420 W, ECO: 255 W, QUIET: 196 W	
30.	Built-in speaker	10 W monaural	
31.	Operation noise	NORMAL: 35 dB, ECO: 27 dB, QUIET: 24 dB	
32.	Operating environment	Operating temperature: 0–40 °C (32–104 °F)*5; Operating humidity: 20–80 % (no condensation)	
33.	Applicable software	Multi Monitoring & Control Software, Early Warning	

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”.

7. 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	

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”.

8. 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	

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”.

9 & 10 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.		

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”.

11. 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 (TM1240)	
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	

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”.

12. SPECIFICATION OF “WALKI TALKI MOTORALLA SET”

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	

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”.

13. 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.		

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”.

14. SPECIFICATION OF “ANTIVIRUS/STANDALONE”

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

No.	Specifications	Compliance
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; 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.	License for 03 years with regular updates through downloading of patch file/updates	
74.	Installation, configuration with the existing system, and training of staff	
75.	Technical support for 01 year	
76.	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”.

15. 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.

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”.

16. 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/ Bidder Response
1	NETWORK IP CAMERAS	4.0 - 6.0 mega pixel WDR (wide dynamic range)	09	
		High 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, 20 X Optical Zoom		
		1/3" progressive scan, CMOS		
		Smart IR up to 30M IR distance		
		2D/3D DNR (Digital noise reduction)		
		Ultra 265, MJPEG, ONVIF Conformance		
		IP 67 or IP 68 Dustproof		
		Smart IR up to 100M IR distance		
Multiple stream, Micro SD up to 64 GB				
2	NETWORK PTZ DOME CAMERA	Digital Zoom Supported	01	
		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		
		IP 66 or 67		
		Support H.265 video formats		
		4 x 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 42 inch		
		4K (UHD) - 2160p, or 3840 x 2160 pixels		
		HDR		
		Dual screen		
OLED with viewing angle upto 85 degree				
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	
6	NETWORKING	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.)	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 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. Location visit is mandatory for vendor before 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”.

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

Sr. #	Items	Minimum Specifications	Qty	Compliance/ Bidder Response
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				
3	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		
		2x SATA HDDs, up to 4 TB for each HDD support		
		Support various VCA detection alarm and VCA search		
4	LED	Smart TV LED (SONY/SAMSUNG/LG)	02	
		Screen display 40 inch		
		4K (UHD) - 2160p, or 3840 x 2160 pixels		
		HDR, OLED		
		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	
6	NETWORKING	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.)	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 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. Location visit is mandatory for vendor before 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”.

18. SPECIFICATIONS - CCTV SYSTEM INCLUDING 23 x IP CAMERAS, 2 x PTZ DOME CAMERA AND 32 CHANNEL NVR WITH ALL REQ ACCESSORIES

Sr. #	Items	Minimum Specifications	Qty	Compliance/ Bidder Response
1	NETWORK IP CAMERAS	4.0 - 6.0 mega pixel WDR (wide dynamic range)	23	
		High 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, 20 X Optical Zoom		
		1/3" progressive scan, CMOS		
		Smart IR up to 30M IR distance		
		2D/3D DNR (Digital noise reduction)		
		Ultra 265, MJPEG, ONVIF Conformance		
		IP 67 or IP 68 Dustproof		
		Smart IR up to 100M IR distance		
Multiple stream				
2	NETWORK PTZ DOME CAMERA	Digital Zoom Supported	02	
		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	32 channel NVR with 20-25 days recording capacity	01	
		Support 2-ch HDMI, 1-ch VGA, HDMI2 at up to 4K (3840x2160) resolution		
		IP 66 or 67		
		Support H.265 video formats		
		2 x 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 42 inch		
		4K (UHD) - 2160p, or 3840 x 2160 pixels		
		HDR		
		Dual screen		
OLED with viewing angle upto 85 degree				
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	
6	NETWORKING	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.)	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 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. Location visit is mandatory for vendor before 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”.

19. 23 x petty items

Sr. #	Description of Equipment	Qty
1	Network Firewall	02
2	HP LaserJet 800ps Ink Cartridge Set or equivalent	01
3	HP LaserJet 1708-T Ink Cartridge Set or equivalent	02
4	HP LaserJet 1708-T Print head Set or equivalent	01
5	SSD Portable 2TB	20
6	Blueray Writer	02
7	Blueray Disk Dual Layer	200
8	Windows Security Grill (DP&RS)	02
9	Modification of LAN	
10	Ink for Plotter Cartridges Set	01
11	HP 731 Head Set (HP T1708)	02
12	HP 72 Ink Set (HP T1708)	02
13	HP 72 Head Set (HP T795)	02
14	HP 72 Ink Set (HP T1708)	02
15	HP 82 Ink Set (HP 800 PS)	01
16	HP 11 Head Set (HP 800 PS)	01
17	HP Ink Toner 81A (HP M605)	01
18	HP Color M750 Printer	01
19	HP Color CP 5225	01
20	Paper Ream 80 Gms	10
21	Galaxy Paper 24" 90 Gms	10
22	Galaxy Paper 42" 90 Gms	10
23	Canon Ir 3245 Toner	01

(1). 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 ≥ 25 Gbps;	
		concurrent connections per second $\geq 10,000,000$; new connections per second $\geq 250,000$;	
		IPSec VPN throughput (AES-256,1420 byte) ≥ 25 Gbps	
		Application controlling and IPS throughput ≥ 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	

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”.

- (2). SPECIFICATION OF “HP LASERJET 800ps”
- (3). SPECIFICATION OF “HP LASERJET 1708-T” INK CATRIDE
- (4). 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:

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”.

(5). 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:

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”.

(6). 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:

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”.

(7). SPECIFICATION OF “BLUERAY DISK DUAL LAYER”

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”.

(8). 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)	

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”.

(9). 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.

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”.

(10). SPECIFICATION OF “INK FOR PLOTTER CARTRIDGE SET”

Sr. #	Peripherals/Functions	Specifications	Compliance
1.	Black Ink Cartridge	Canon iPF825 Black Ink Cartridge - Genuine Canon PFI-703BK Ink Tank	
2.	Cyan Ink Cartridge	Canon iPF825 Cyan Ink Cartridge - Genuine Canon PFI-703C Ink Tank	
3.	Magenta Ink	Canon iPF825 Magenta Ink Cartridge - Genuine Canon PFI-703M Ink Tank	
4.	Matte Black Ink	Canon iPF825 Matte Black Ink Cartridge - Genuine Canon PFI-703MBK Ink Tank	
5.	Yellow Ink	Canon iPF825 Yellow Ink Cartridge - Genuine Canon PFI-703Y Ink Tank	

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”.

(11-23). SPECIFICATION OF “PLOTTER CARTRIDGE/TONER/HEADS, PRINTER & PLOTTER PAPERS”

Sr.	Peripherals/Functions	Specifications	Compliance/ Bidder Response
1.	HP 731 Head Set (HP T1708)		
2.	HP 72 Ink Set (HP T1708)		
3.	HP 72 Head Set (HP T795)		
4.	HP 72 Ink Set (HP T795)		
5.	HP 82 Ink Set (HP 800 PS)		
6.	HP 11 Head (HP 800 PS)		
7.	HP Ink Toner 81A (HP M605)		
8.	HP Color M750		
9.	HP Color CP 5225		
10.	Paper Ream 80Gsm		
11.	Galaxy Paper 24" 90 Gms		
12.	Galaxy Paper 42" 90 Gms		
13.	Canon Ir 3245		

Note: Ink cartridges, Toner, Heads, etc., should be fresh and with at least 02 years of validity/expiry from the date of purchase.

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/()/CBA/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.
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 warrantee 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	(NADEEM AHMAD CH.,)
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: /March, 2024

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 Daily English (<i>The News</i>) & One Daily Urdu (<i>The Jang</i>)
2	Region	Rawalpindi/Islamabad
3	No. of Insertion	Only one insertion
4	Date of Insertion	21-03-2024
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 05-04-2024 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	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: /March, 2024

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 **19 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 **05-04-2024**, 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.