



INVITATION TO TENDER
Tender for procurement of Machinery & Equipment items

Elementary and Secondary Education Foundation Khyber Pakhtunkhwa invites sealed bids from Manufacturers or their authorized agents/dealers duly registered with Income Tax and Sales Tax Departments, being reflected as active tax payer in list of FBR, for the supply of machinery and equipment items as details given below under Khyber Pakhtunkhwa Public Procurement of Goods, Works and Services Rules, 2014.

S.NO	ITEM	QUANTITY
1.	Smart Interactive Panel/ LED Screen 98"	01
2.	Smart Interactive Panel/ LED Screen 75"	02
3.	Desktop Computers Branded Core i7 10th Generation	12
4.	Laptop Computers Branded Core i7 11th Generation	13
5.	Printer	06
6.	Printer 3 in 1(Print, Copy, Scan)	02
7.	Scanner	06
8.	External Hard Drive (4TB)	05
9.	Photo State Machine / Photocopier	01
10.	Desktop Computers Branded Core i7 10th Generation (Heavy Duty)	02
11.	Laptop Computers Branded Core i7 11th Generation (Heavy Duty)	02

The method of procurement shall be single stage single envelop. The details bidding document can be obtained from the office of undersigned during the office hours till 30/12/2021 free of cost. It can be submitted till 30/12/2021 up to 03:00 PM, which shall be opened on the same day and place at 03:30 pm. The same are also available at the official website of KPPRA <http://kppra.gov.pk/> and (<https://kpese.gov.pk/k> & <http://.esef.org.pk>).

The procurement entity reserves the right to reject any or all bids under KPPRA rules 2014 with valid reasons.

DIRECTOR (ADMN)
Elementary and Secondary Education Foundation
Khyber Pakhtunkhwa.
Phone# 091-9219999

TENDER DOCUMENT

Name of Firm: _____

Address: _____

Telephone No. _____ Email: _____

NTN: _____

TERMS & CONDITIONS:

1. Income Tax will be deducted as per Govt. Rules.
2. All pages of the tender document must be signed and stamped by the authorized person of the firm.
3. Tender document must be accompanied with bid security of 2% in the shape of Call Deposit Receipt (CDR) in the name of the undersigned.
4. Sealed bids may be sent through registered mail/courier service, which must be reached to the office of the undersigned by 30th December, 2021.
5. The bids received after the due date shall not be entertained.
6. Incomplete/conditional bids shall not be acceptable.
7. Documents shall be submitted in hard copies in a sealed envelope on the given postal address.
8. Rates/quotations must be valid for 60-days.
9. The items shall be supplied within 15 days or the time limit given in the supply order, failing which the supply order shall stand cancelled.
10. Minimum Local warranty period mentioned against each item.
11. The model offered must be as per the specification including warranty or its equivalent/higher configuration and documentary evidence for the same must be enclosed.
12. If any fault/defect occurs in the equipment during the warranty period, it will be done /replaced by the supplier at his own risk and cost.
13. The technical & inspection committee/team of ESEF will inspect and check the Equipment supplied at the time of the delivery. Payment will be made on receipt of satisfactory report from the said technical & inspection committee/team.
14. The supplier should be an active authorized dealer of the manufacturing firm.
15. No, separate transportation and carriage charges will be paid for delivery/

installation of the equipment.

16. Supplier will provide previous documents regarding supply to government organizations in the relevant item.
17. Elementary and Secondary Education Foundation, Khyber Pakhtunkhwa reserves the right to increase the number of items as per the requirement.
18. Elementary and Secondary Education Foundation, Khyber Pakhtunkhwa has the right to accept or reject the tender partially or entirely.
19. Supplier will train at least three officials of ESEF free of cost.

Director HR& (ADMN)

Elementary and Secondary Education Foundation, Khyber Pakhtunkhwa
Plot No. 20 Street No. 13, Sector E-8
Phase-07, Hayatabad Peshawar.
Phone# 091-9219999

Acceptance Note:

We, hereby, accept all the above-mentioned terms and conditions as a whole prescribed for supply of items.

**Signature of the Bidder
with Seal**

DETAIL SPECIFICATIONS OF ITEMS

1. Smart Interactive panel/LED Screens

General Specification for LED Screens		
Size	75 "	98"
	<ul style="list-style-type: none"> • Processor Intel Core i7 • RAM minimum 8 GB DDR4 • ROM minimum 32 GB • Integrated 4K Cam + external Mic • Multi Touch 20 • Touch Surface 4mm Tempered Glass with level 7 Mohs • Touch Sensor Infrared • Touch Inputs Stylus, Finger, Palm • Accuracy (ms) ±1 • Operating System Android 8.0 • Speaker minimum 15w*2(Stereo) • Connectivity both wired and wireless • 03 Years Local Warranty 	

a. Detail Specification for LED Screen (Size 98 inches)

Display	
Size (cm/inches)	98"
Display Technology	LED
Resolution	3840 x 2160, 4K Ultra HD
Aspect Ratio	16:9
Brightness (cd/m2)	460
Response Time(ms)	Less than 10
Refresh Frequency (hertz)	Greater than 59
Dynamic Contrast Ratio	5000:1
Display Colours (billion)	1.07 (10-bit)
Viewing Angle Horizontal / Vertical (degrees)	178 / 178
Minimum Life Time (hours)	50,000
Connectivity	
Inputs Front	HDMI 2.0 x1,, USB-A 2.0 x2, USB-B 2.0 (TOUCH) x1
Inputs Back	HDMI 2.0 x2, DP 1.2 x1, VGA x1, 3.5mm AV x1, 3.5mm YPbPr x1, 3.5mm Audio x1, USB-A 2.0 x2, OPS x1, USB-B 2.0 (TOUCH) x1
Outputs	HDMI 2.0 x1, 3.5mm Audio x1, S/PDIF x1, 3.5mm AV x1
Other	RJ45 x 2, Infrared Remote x1, RS232 x1,
Wireless Collaboration	LightCast2 Embedded Casting
Multimedia Players & Viewers	Audio, Video, Image, Office
Operating System Compatibility	Windows, Linux, Mac OS, Chrome
Power Consumption	Maximum 500watt
Input Voltage	100-240V AC
Accessories	
Wall Mounting Kit	
Wireless Keyboard with Touchpad	

Quick Start Guide Remote Control Regional Power Cord USB-B Touch Cable HDMI Cable Stylus x2 WIFI USB-A Dongle	Included
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b. Detail Specification for LED Screen (Size 75 Inches)

Display	
Size (cm/inches)	75"
Display Technology	LED
Resolution	3840 x 2160, 4K Ultra HD
Aspect Ratio	16:9
Brightness (cd/m2)	Minimum 450
Response Time(ms)	Less than 10
Refresh Frequency (hertz)	Greater than 59
Dynamic Contrast Ratio	5000:1
Display Colours (billion)	1.07 (10-bit)
Viewing Angle Horizontal / Vertical (degrees)	178 / 178
Minimum Life Time (hours)	30,000
Connectivity	
Inputs Front	HDMI 2.0 x1,, USB-A 2.0 x2, USB-B 2.0 (TOUCH) x1
Inputs Back	HDMI 2.0 x2, DP 1.2 x1, VGA x1, 3.5mm AV x1, 3.5mm YPbPr x1, 3.5mm Audio x1, USB-A 2.0 x2, OPS x1, USB-B 2.0 (TOUCH) x1
Outputs	HDMI 2.0 x1, 3.5mm Audio x1, S/PDIF x1, 3.5mm AV x1
Other	RJ45 x 2, Infrared Remote x1, RS232 x1,
Wireless Collaboration	LightCast2 Embedded Casting
Multimedia Players & Viewers	Audio, Video, Image, Office
Operating System Compatibility	Windows, Linux, Mac OS, Chrome
Power Consumption	Less than 500watt
Input Voltage	100-240V AC
Accessories	
Wall Mounting Kit Wireless Keyboard with Touchpad Quick Start Guide Remote Control Regional Power Cord USB-B Touch Cable HDMI Cable Stylus x2 WIFI USB-A Dongle	Included

2. Laptop Computer (Branded)

Required Specifications		Quantity
Operating System	Registered Win 10 Pro 64 with Key Sticker Original MS Office 2019 Licensed Antivirus	13
Processor Family	11th Generation Intel® Core™ i7 processor	
Processor	Intel® Core™ i7-1185G7 (up to 4.8 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 4 cores)	
Graphics	Integrated: Intel® Iris® X ^e Graphics	
Memory	8 GB DDR4-3200 MHz RAM (1 x 8 GB)	
Internal Drive	512 GB PCIe® NVMe™ SSD	
Display	15.6" diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC	
External I/O Ports	1 SuperSpeed USB Type-C® 10Gbps signalling rate (USB Power Delivery, DisplayPort™ 1.4); 3 SuperSpeed USB Type-A 5Gbps signalling rate (1 charging, 1 power); 1 HDMI 1.4b; 1 headphone/microphone combo; 1 AC power; 1 RJ-45	
Audio	Dual stereo speakers, dual array microphone	
Webcam	720p HD privacy camera	
Keyboard	spill-resistant, backlit keyboard with numeric keypad	
Pointing Device	Click pad with multi-touch gesture support	
Wireless Technology	Intel® Wireless-AC 9560 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 combo	
Power Supply	Smart 65 W External AC power adapter	
Battery	Long Life 3-cell, 45 Wh Li-ion	
Warranty	01 Year Local Warranty	
Bag	Leather Carrying Bag	

3. Desktop Computer (Branded)

Required Specifications		Quantity
Operating System	Registered Win 10 Pro 64 with Key Sticker Original MS Office 2019 Licensed Antivirus	12
Processor	Intel® Core™ i7-10700 (2.9 GHz base frequency, up to 4.8 GHz with Intel® Turbo Boost Technology, 16 MB L3 cache, 8 cores)	
Graphics	Intel® UHD Graphics 630	
Memory	08 GB DDR4-3200 MHz RAM (1 x 16 GB)	
Memory Slots	4 DIMM	
Hard Drive	512 GB SSD	
Optical Drive	9.5 mm Slim DVD-Writer	
External I/O Ports	Front: 1 headphone/microphone combo; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 2 SuperSpeed USB Type-A 5Gbps signaling rate Rear: 1 audio-in; 1 audio-out; 1 RJ-45; 2 USB 2.0; 2 DisplayPort™ 1.4; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 2 SuperSpeed USB Type-A 10Gbps signaling rate 1 DisplayPort	
Expansion Slots	1 PCIe 3 x4 (x16 connector); 1 PCIe 3 x16 (x16 connector); 1 M.2 2230 PCIe 3 x1; 2 M.2 2280 PCIe 3 x4; 2 PCIe® 3 x1 (x4 connector) 1 M.2 slot for	

	WLAN and 2 M.2 2230/2280 slot for storage.	
Audio	Realtek ALC3205-VA2-CG, 2.0W internal mono speaker	
Form Factor	Tower	
Wireless connectivity	Yes	
Mouse and Keyboard	Branded	
VGA and Power Cables		
Screen	19-inch FHD (1920 x 1080)	
Warranty	01Years Local Warranty	

4. Laptop Computer (Heavy Duty)

Required Specifications		Quantity
Operating system	Windows 10 Pro 64 With Key Sticker Ms Office 2019 Original Licensed Antivirus	02
Processor family	11th Generation Intel® Core™ i7 processor	
Processor	Intel® Core™ i7-11850H (2.5 GHz base frequency, up to 4.8 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 8 cores, 16 threads)	
Memory	16 GB DDR4-3200 MHz RAM (2 x 8GB)	
Memory slots	2 SODIMM; supports dual channel	
Internal drive	512 GB PCIe® NVMe™ TLC SSD	
Display	15.6" diagonal, FHD (1920 x 1080), IPS, anti-glare, 400 nits, 100% sRGB	
Graphics Card	4 GB Graphics Card	
External i/o ports	1 RJ-45; 1 SuperSpeed USB Type-A 5Gbps signalling rate; 1 HDMI 2.0; 1 nano security lock slot 1 power connector; 1 headphone/microphone combo; 1 Thunderbolt™ 4 with USB4 Type-C® 40Gbps signalling rate (USB Power Delivery, DisplayPort™ 1.4); 2 Super Speed USB Type-A 5Gbps signalling rate (1 charging)	
Audio	Audio, dual stereo speakers, dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio	
Webcam	720p HD privacy camera with integrated dual array microphones	
Keyboard	Premium Quiet Keyboard, spill-resistant, full-size, backlit, keyboard with a Programmable Key and numeric keypad	
Pointing device	Click Pad Mylar with multi-touch gesture support, taps enabled as default	
Wireless technology	Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo	
Power supply	120 W Slim Smart external AC power adapter (Branded)	
Battery	Long Life 6-cell, 83 Wh Li-ion polymer	
Warranty	01 Year Local Warranty	
Bag	Leather carrying Bag	

5. Desktop Computer (Heavy Duty)

Required Specifications		Quantity
Operating system	Windows 10 Pro 64 With Key Sticker Ms Office 2019 Original Licensed Antivirus	02
Processor	Intel® Core™ i7-10700 (2.9 GHz base frequency, up to 4.8 GHz with Intel® Turbo Boost Technology, 16 MB L3 cache, 8 cores)	
Graphics	Integrated: Intel® UHD Graphics 630 Discrete: NVIDIA® Quadro® T1000 (4 GB GDDR5 dedicated)	
Memory	32 GB DDR4	
Memory slots	4 DIMM	
Hard drive	512 GB SSD	
Optical drive	9.5 mm Slim DVD-Writer	
External i/o ports	Front: 1 headphone/microphone combo; 2 SuperSpeed USB Type-A 10Gbps signalling rate; 2 SuperSpeed USB Type-A 5Gbps signalling rate Rear: 1 audio-in; 1 audio-out; 1 RJ-45; 2 USB 2.0; 2 DisplayPort™ 1.4; 2 SuperSpeed USB Type-A 5Gbps signalling rate; 2 SuperSpeed USB Type-A 10Gbps signalling rate	
Expansion slots	1 PCIe 3 x4 (x16 connector); 1 PCIe 3 x16 (x16 connector); 1 M.2 2230 PCIe 3 x1; 2 M.2 2280 PCIe 3 x4; 2 PCIe® 3 x1 (x4 connector) 1 M.2 slot for WLAN and 2 M.2 2230/2280 slot for storage	
Audio	Realtek ALC3205-VA2-CG, 2.0W internal mono speaker	
Pointing device	Wired Desktop 320M mouse	
Keyboard	Wired Desktop 320K Keyboard	
VGA and power cables	Yes	
Screen	19-inch FHD (1920 x 1080)	
Warranty	01 Year Local Warranty	

6. 3 in 1 Printers

Required Specifications		Quantity
Functions	Print, Copy, Scan	02
Print speed	Up to 40 ppm (default) ; Up to 42 ppm	
First page out (ready) black	As fast as 6.1 sec	
Resolution (black):	Fine Lines (1200 x 1200 dpi)	
Resolution technology	Fast Res 1200, ProRes1200, Economode	
Recommended monthly page volume	750 to 4000	
Print technology	Laser	
Display	2.7" (6.86 cm) intuitive colour touchscreen (CGD)	
Number of print cartridges	1 (black)	
Paper trays	03	
Mobile printing capability	Wi-Fi® Direct Printing	
Connectivity	1 Hi-Speed USB 2.0; 1 rear host USB; 1 Front USB port; Gigabit Ethernet 10/100/1000BASE-T network; 802.11b/g/n/2.4/5 GHZ	

	Wi-Fi radio	
Memory	512 MB	
Paper handling input	100-sheet tray 1, 250-sheet input tray 2; 50-sheet Automatic Document Feeder (ADF)	
Paper handling output	150-sheet output bin	
Duplex printing	Automatic (default)	
Envelope input capacity	Up to 10 envelopes	
Finished output handling	Sheet feed	
Media sizes	Tray 1: 3 x 5 to 8.5 x 14 in, Tray 2, 3: 4.13 x 5.85 to 8.5 x 14 in	
Media types	: Paper (plain, Eco EFFICIENT, light, heavy, bond, colored, letterhead, preprinted, prepunched, recycled, rough); envelopes; labels	
Cable included	Yes, 1 USB cable and Power Adaptor	
Warranty	01 Year Local Warranty	

7. PRINTERS

Required Specifications		Quantity
Functions	Print,	06
Print speed	Minimum 38ppm	
First page out (ready)	As fast as 6.1 sec	
Resolution (black):	Fine Lines (1200 x 1200 dpi)	
Resolution technology	FastRes1200, HP ProRes1200, Economode	
Recommended monthly page volume	750 to 4000	
Print technology	Laser	
Display	2-line backlit LCD graphic display	
Number of print cartridges	1 (black)	
Paper trays	Minimum 02	
Mobile printing capability	Wi-Fi® Direct Printing	
Connectivity	1 Hi-Speed USB 2.0; 1 host USB at rear side; Gigabit Ethernet 10/100/1000BASE-T network; 802.3az(EEE) 802.11b/g/n / 2.4 / 5 GHZ Wi-Fi radio	
Memory	256 MB	
Paper handling input	100 sheet multipurpose Tray 1, 250 sheet input Tray 2	
Paper handling output	150-sheet output	
Duplex printing	Automatic (default)	
Media sizes	Tray 1: 76 x 127 to 216 x 356 mm; Tray 2, optional Tray 3: 100 x 148 to 216 x 356 mm	
Media types	Paper (plain, EcoEFFICIENT, light, heavy, bond, coloured, preprinted, prepunched, recycled, rough); Envelopes; Labels	
Cable included	Yes, 1 USB cable and Power Adaptor	
Warranty	01 Year Local Warranty	

8. Scanner

Required Specifications		Quantity
Resolution	Up to 600 x 600 dpi (color and mono, ADF); Up to 1200 x 1200 dpi (color and mono, flatbed)	06
Weight	12.3 lb	
Supported operating systems	Windows 10 (32-bit/64-bit), Windows 8.1 (32-bit/64-bit), Windows 8 (32-bit/64-bit), Windows 7 (32-bit/64-bit)	
Automatic Document Feeder Scan Speed	Minimum 25 ppm/50 ipm (300 dpi)	
Control Panel	2-line LCD; 5 buttons (Simplex/Duplex, Power, Cancel, Back and Tools/Maintenance)	
Bit Depth	24-bits external 48-bits internal	
Maximum document scan size	8.5 x 122 in	
Scannable media types	Paper (banner, inkjet, photo, plain), envelopes, labels, cards (greeting, index)	
Input type	Flatbed, ADF	
Auto document feeder	Standard, 50 sheets	
Connectivity	USB 2.0 and USB 3.0	
Warranty	01 Year Local Warranty	

9. External Hard Drive

Required Specifications		Quantity
Memory Capacity	4 TB	05
Interface	USB 3.0	
Compatibility	Formatted NTFS for Windows® 10, Windows 8.1, Windows 7	
Dimensions (L x W x H)	4.35" x 3.23" x 0.59"	
In The Box	Portable Hard Drive, USB Cable, Quick Install Guide	
Warranty	1 year local Warranty	

10. Photocopier

Required Specifications		Quantity
Multiple Functions	Copier, colors scanner, printer	01
Minimum Speed	Minimum 50 ppm	
Warm Up Time	Less than 20 Seconds	
Resolution	600x600 dpi	
First Copy Time	Less than 6 Seconds	
Std Paper Capacity	1,000 sheets	
Std Paper Source(s)	Dual drawer	
Paper Weights	52 to 300 gsm	
Zoom Ratio	25%-400%(1% Per Step)	
Multiple Copies	1-9999	
Control Panel	10.1 inches color touch LCD Panel	
Max Paper Capacity	7,150 sheets	
System Memory (Ssd)	4-GB RAM to 8-GB RAM	
Document Feeder/ Capacity	Opt RADF, DSPF and DSPF/140 orig, 270 orig, 270 orig	

PDL/PCL	PCL 5/6/XL, PostScript 3, PRESCRIBE, XPS, OpenXPS	
Interface	USB 2.0 High Speedx1; Ethernet 10BASE-T/100BASE-TX/1000BASE-T; USB Host Interface (USB Host)x4; NFC TAGx1	
HDD (Std/Max)	320-GB HD/320-GB HD	
Scanning Speed	48 ipm	
Duplex Printing	Yes	
Copy Size	Minimum Legal Size (A3)	
Scanner Technology/ Speed	CCD/80 ipm colour, 80 ipm black or 100 ipm colour, 100 ipm black or 120 ipm colour, 120 ipm black	
Warranty	1-year local Warranty	