

Provincial Department of Education (NWP)

Procurement of

Supply, Delivery & Installation of Computers & Accessories

Supply, Delivery & Installation of All-in-one Printers

Supply, Delivery & Installation of Smart Boards

Supply & Delivery of Computer Chairs & Computer Tables

NWP/Edu/ProAcc/07/3-17/2021

Pre-Bid Meeting 2021.09.15

The revised Specifications which are made on the Pre-Bid meeting held on 15.09.2021 as follows.

A.S.K. Jayalath

Chairman,

Departmental Procurement Committee,

Provincial Department of Education (NWP),

Kandy road,

Kurunegala.

Telephone: 037-2222422

Facsimile Number: 037-2222422

Web address: www.nwpedu.lk

E-mail : provincialeducationnwp@yahoo.com

Date: 16 September , 2021

TECHNICAL SPECIFICATIONS & DROWINGS

Lot No. 01

Item No. i.

Technical Specifications for Desktop Computer

	Requirement		Bidder Response (Yes / No)	Remarks
	Make	Please specify Should be a brand from an internationally reputed vendor		
	Model	Please Specify the exact model name of the proposed System		
	Country of Origin	Please specify		
	Country of Manufacture	Please specify		
1.	Processor Type	Intel Core i5-10500 with Intel UHD Graphics 630 (3.1 GHz base frequency, up to 4.5 GHz with Intel Turbo Boost Technology, 12 MB L3 cache, 6 cores		
2.	Memory	Minimum 8 Gb, Dual Channel DDR 4 SDRAM Expandable Up To 64 Gb		
3.	Chipset	Intel Q470		
4.	Storage	1TB SATA (7200rpm)		
5.	Monitor	18.5" LED backlit or better in same brand		
6.	Video Controller	Integrated graphics		
7.	Audio Controller	Integrated Audio		
8.	Network	Integrated Gigabit Ethernet Integrated Wireless LAN		
9.	Expansion Slots	Please specify		
10.	Port and Connectors	Front: 1 Headphone/Microphone Combo, Super Speed USB Type A 10Gbps Signaling rate, 2 USB Type		

		A 480Mbps Signaling rate. Rear: 1 Audio Out, 1 Power Connector, 1 RJ 45, 1HDMI 1.4, 3 Super Speed USB Type A 5Gbps Signaling rate, 1 Display Port 1.4, 2 USB Type A 480Mbps Signaling rate. (Minimum 3 USB Front side)		
11.	Input Device	USB Business Slim Keyboard Same Brand USB Optical Mouse Same Brand		
12.	Form Factor	Mini/Micro Tower		
13.	Power	Please specify		
14.	Energy Efficiency Compliance	ENERGY STAR certified and EPEAT registered configurations or SLSI certified.		
15.	Operating System	Genuine MS Windows 10 Professional 64bit license Factory loded OS with Academic MS Office License Package-Professional		
16.	Product Experience	Product brand must be an internationally recognized brand.		
		Bidder should have minimum of 10 years' experience in selling the Quoted Similar Products in Sri Lanka.		
		Manufacturer should have minimum of 10 years' experience in manufacturing of the same Brand (Attach proof)		
17.	Warranty	<i>03 Years Comprehensive on - Site Manufacture Authorized Warranty (Parts & other incidentals). Replacement machine should be provided during repairs.</i>		
17.1	Warranty Information	Should be fix a sticker with <ul style="list-style-type: none"> • Supplier name • Contact Numbers • Date of Commissioning of Hardware 		

		<ul style="list-style-type: none"> • Warranty period • On all computers 		
18.	The bidder should be an authorized service provider for the quoted product line (Corporate client) for not less than 05 years. An authorized letter from the principal supplier should be attached.			
19.	Manufacture Authorization	Attach Authorization letter		
20.	Business Registration Certificate			
21.	VAT registration Certificate			
22.	Certificate of registration of Public Contract Act 03 of 1987			

Singed

Insert signature of person whose name and capacity are shown

in the capacity of

Insert capacity of person signing the Bid Submission form

Name

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Duly authorized to sign the bid for and on behalf of

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Dated onDay of,[Insert date of signing]

Lot No. 01**Item No. ii UPS**

	Technical Details	Requirements	Bidders Compliance	
			Yes /No	If "No" indicate your offer
	Manufacturer			
	Manufacturer's web address			
	Authorized dealer in SL			
	Brand Name			
	Product Name			
	Model No			
1	Capacity/ model	650 VA		
2	Input voltage	160-290VAC		
3	Output voltage	220+/-10%		
4	Recharge time	5 hours for 90% charge		
5	Charging mode	auto charging when start		
6	Type of UPS	line interactive		
7	Back up time	Minimum 6 to 15 min. on 90% charge		
8	Type of battery	sealed lead acid		
9	Capacity of battery	7.2Ah/12V		
10	Power outlet sockets	Minimum 2 Nos.		
11	Type of outlet	Universal		
12	Input cable	flexible cable square 3 pin 13 A plug		
13	Dimensions	Specify		
14	Manufacture Authorization	Attach Authorization letter		
15	Warranty	3 years (Including Battery)		
16	Business Registration Certificate			
17	VAT registration Certificate			
18	Certificate of registration of Public Contract Act 03 of 1987			

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Lot No.01
Item No. iii

Technical Specifications for Web Camera

	Description	Minimum Specification	Bidders Compliance Yes /No	Remarks
	Brand	<i>(Specify)</i>		
	Model	<i>(Specify)</i>		
	Country of Origin	<i>(Specify)</i>		
	Year of Manufacture	<i>(Specify)</i>		
	Camera Style	Web Camera		
1.	Camera Technology	USB Type-A USB 2.0, Plug-and-play, no need to install driver software		
2.	Image Sensor	2 MP CMOS		
3.	Signal System	PAL/NTSC		
4.	Frame Rate	1920 × 1080 @ 30 fps/25 fps 1280 × 960 @ 30 fps/25 fps 1280 × 720 @ 30 fps/25 fps 640 × 480 @ 30 fps(default)/25 fps		
5.	Resolution	1920 (H) × 1080 (V)		
6.	Min. Illumination	0.1 Lux @ (F1.2, AGC ON)		
7.	Shutter Time	PAL: 1/25 s to 1/50,000 s; NTSC: 1/30 s to 1/50,000 s		
8.	Lens	3.6 mm fixed focal lens		
9.	Day & Night	Color		
10.	Cable Length	2M/ 6.6'(feet)		

11.	Audio In	Built-in mic with clear sound		
12.	Supported Operating Systems	Windows 10, Linux		
13.	Low-Light Correction	Yes		
14.	Camera Range	10 to 20 m		
15.	Power Supply	DC 5V +- 5% (USB)		
16.	Attachment Method	Clip		
17.	Warranty	1 Years Manufacturer's comprehensive warranty		
18.	Manufacture Authorization	Attach Authorization letter		
19.	Warranty	3 years		
20.	Business Registration Certificate			
21.	VAT registration Certificate			
22.	Certificate of registration of Public Contract Act 03 of 1987			

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Lot No.02Item No.iTechnical Specifications for All-in-one Printers

	Description		Minimum Specification	Compliance Yes/No	Remarks
	Brand		<i>(Specify)</i>		
	Model		<i>(Specify)</i>		
	Country of Origin		<i>(Specify)</i>		
	Country of Manufacture/ Assembly		<i>(Specify)</i>		
	Year of Manufacture		<i>(Specify)</i>		
1.	Main Function		Copy, Print, Scan		
2.	Writing Method		Semiconductor Laser		
3.	CPU		450 to 600MHz		
4.	Print Speed		Simplex/ Duplex (20 to 24)/(10 to 15) cpm		
5	Scanning Speed 300dpi (Mono/Color)		Simplex 23/14 ipm		
			Duplex 8/6 ipm		
6.	Memory		256MB RAM or Higher		
7.	Warm-Up Time		Less Than 19seconds		
8.	Paper Capacity	Standard	250 - 400 sheets Universal cassette for all paper Sizes A3, A4, A5 (65 gsm to 90 gsm)		
		Maximum	1,300 sheets (Main Unit + PF-480 x 3) + MPT		
9.	Paper Size	Cassette	Max. A3 (Ledger) - Min. A5R		
		MPT	Max. A3 (Ledger) - Min. A6R		
10.	Paper Weight	Cassette	60 to 105 g/m ²		
		MPT	40 to 160 g/m ²		
11.	Copy & Print Functions (Standard)				
	Copy Size		Max. A3, Min. A6R		
12.	Resolution		600 x 600 dpi		

13.	First Copy & Print Time	Less Than 6 seconds		
14.	Zoom Ratio	25% to 400% (1% per Step)		
15.	Multiple Copy	1 to 999		
16.	ID Card Copy	Yes		
17.	Operating System Supported	Windows: 7/8.1/10, Server - 2008/R2/2012/2012 R2/2016, Linux		
18.	Interface	USB2.0 High Speed x1, Inbuilt Ethernet port (RJ45), WLAN IEEE 802.11b/g/n		
Scan Functions (Standard)				
19.	Color Selection	Full Color; Gray scale; Mono		
20.	Resolution	Color/ Gray scale: 300dpi, 200dpi; Mono: 600dpi,400dpi, 300dpi, 200dpi		
21.	File Format	PDF, JPEG, Compact PDF & Searchable PDF, BMP		
Power Consumption (Standard configuration)				
22.	Copy/Print Mode	450W or less		
23.	Stand-by Mode	75W or less		
24.	Sleep Mode	2.5W or less		

Consumables & Options				
25.	Special Features	Energy Saver, Auto Sleep Mode		
26.	Weight	Approx. 27Kg (Excluding the weight of toner container)		
27.	Dimension (W x D x H) (Main Unit)	(Specify)		
28.	Price per Drum	(Specify)		
29.	Copies per Drum	(Specify)		
30.	Drum Warranty	(Specify)		
31.	Number of Copies per Toner	(Specify)		
32.	Price of Toner	(Specify)		
33.	Price of developer	(Specify)		
34.	Copies per developer	(Specify)		
35.	Running cost per 500,000 Copies			
36.	Toner Cartridge	Provide full capacity toner for the machine and provide an additional toner cartridge		
37.	Warranty	<ul style="list-style-type: none"> • 3 years Manufacturer's comprehensive Onsite warranty (Labor & Parts) • Bidder or its parent company or its subsidiary should have Island-Wide owned branch network • Documentary evidence to be provided of the following under bidders' name. (a) Address, Contact Details & Date of Commencement of each branch/regional office (Should have completed minimum of 5 years from the Date of Commencement of each branch/regional office) 		
38.	Technical support	Regional support should be available. Proof should be Attached		

39.	Warranty Information	Should be fix a sticker with <ul style="list-style-type: none"> • Supplier name • Contact Numbers • Date of Commissioning of Hardware • Warranty period 		
40.	Manufacture Authorization	Attach Authorization letter		
41.	Business Registration Certificate			
42.	VAT registration Certificate			
43.	Certificate of registration of Public Contract Act 03 of 1987			

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Lot No.03Item No.i**Technical Specifications for Smart Board**

	Description	Minimum Specification	Compliance Yes/No	Remarks
	Brand	(Specify)		
	Model	(Specify)		
	Country of Origin	(Specify)		
	Country of Manufacture/ Assembly	(Specify)		
	Year of Manufacture	(Specify)		
LED Panel Spec				
1.	Screen Size	65"		
2.	Panel Type	TFT - LED		
3.	Resolution	3840(H) x 2160(V) (UHD)		
4.	Display Area	1444.1mm(H)× 819.8mm(V)		
5.	Visual Angle	178 (H) / 178 (V)		
6.	Brightness	400 cd/ m ² (typ)		
7.	Contrast	4000:1		
8.	Response Time	6ms (typ)		
9.	Life	50,000 hours (typ)		
10.	Color Depth	10-Bit 1.07B		
11.	Color Saturation	72% (x%NTSC)		
12.	Display Protection	4mm Tempered Glass / Anti-Glare		
Android OS				
13.	CPU	Dual-core A73 and dual-core A53;4cores		
14.	GPU	1.5Ghz, Quad-core MaliG51MP		
15.	RAM	3 GB		
16.	Storage	32 GB		
17.	Android OS	Android 9.0		
18.	Multi-Screen	E Share Support - Up to 9 Screens		

		(Windows / Android / iOS / Mac OS / Chrome OS / Ubuntu)		
OPS Spec				
19.	CPU	Intel Core i5 (7th Gen) - 3.0 GHz		
20.	RAM	8GB		
21.	Network	WIFI; 802.11b/g/n		
22.	Storage	1TB SATA + 128GB SSD		
23.	OS	Windows 10 Pro 64 Bit		
OS Switching / Booting Mechanism				
24	OS Switching / Booting Mechanism	Capability for Shifting one to another (Android and Windows) without Restart		
Touch Panel				
25.	Touch Technology	Non-Contact IR		
26.	Touch Points	20 Points		
27.	First Click	<16ms		
28.	Response Time	<6ms		
29.	Accuracy	<2mm (Real multi- touch, no drift and blind spots)		
30.	Input Method	Fingers, stylus, gloves or any other opaque material medium		
31.	Resolution	32768 x 32768		

32.	Electrical performance			
	Power Supply	100V-240V,50-60 Hz		
	Power Consumption	≤220W		
	Standby	≤1W		
33.	Other			
	Shell	Aluminum Alloy Anti Corrosion Shell		
	Working Temp	0°C~40°C		
	Speaker	15W*2/8Ω		
	Net Weight	40Kg		
	Energy Star Certified	ROHS and FCC Certification		
34.	Interfaces			
	Connectivity / IO	RJ45 Input HDMI Input VGA Input USB3.0 AV Input AV Output YPbPr Input RS232 TF Reader VGA Audio InputTouch USB-B WIFI 2.4G/5G Earphone SPDIF Front PC / Android USBFront Touch USB Front HDMI Input		

35.	Accessories	Movable Floor Stand Wall Mounting BracketRemote Controller Power Cable Touch Cable HDMI Cable 2 * Touch Pen User Manual 1200VA UPS Wireless Keyboard / Mouse		
36.	Warranty	<ul style="list-style-type: none"> • 3 years Manufacturer’s comprehensivewarranty (Labor & Parts) • Bidder or its parent company or its subsidiary should have Island-Wide owned branch network • Documentary evidence to be provided of the following under bidders' name. <ul style="list-style-type: none"> (a) Address, Contact Details & Date ofCommencement ofeach branch/regional office (Should have completed minimum of 5 years from the Date of Commencement of each branch/regional office) 		

37.	Warranty Information	Should be fix a sticker with <ul style="list-style-type: none"> • Supplier name • Contact Numbers • Date of Commissioning of Hardware • Warranty period 		
38.	Manufacture Authorization	Attach Authorization letter		
39.	Business Registration Certificate			
40.	VAT registration Certificate			
41	Certificate of registration of Public Contract Act 03 of 1987			

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Lot No.04
Item No.i
Technical Specifications for Computer Table

No.	Technical Details	Requirements	Compliance Yes/No	Remarks
1.1	Height (with castor wheel)	29.6"		
1.2	width	18"		
1.3	Length	48"		
1.4	material	MDF or equivalent		
1.5	others			
1.5.1	board thickness	18mm.		
1.5.2	castor wheels	50mm. Dual with scroll stop		
1.5.3	UPS compartment	10.25"× 9.25"		
1.5.4	main division	2' 1"		
1.5.5	CPU compartment	1' 6.75"		
1.5.6	keyboard compartment			
1.5.7	height	3' 0"		
1.5.8	width	2' 0"		
1.5.9	drawer	(lockable) with knob		
1.5.10	height	3.5"		
1.5.11	width	1' 6"		
1.5.12	chord slot	2" on left side of the tabletop with closer		
2.2	Warranty	2 years comprehensive warranty		
3	Business Registration Certificate			
4	VAT registration Certificate			
5	Certificate of registration of Public Contract Act 03 of 1987			

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Dated on**Day of**,**[Insert date of signing]**

Lot No.04

Item No.ii

Technical Specifications for Computer Chair

No.	Technical Details	Requirements	Compliance Yes/No	Remarks
1.1	Height			
	maximum	950mm.		
	minimum	850mm.		
1.2	width			
	seat	450mm.		
1.3	back	400mm.		
	length			
	seat	420mm.		
	back height	300mm.		
1.4	material	Polymer /Nylon or equivalent base with steel spindle		
1.5	Arms	Polymer /Nylon (50mmx25mm)		
1.6	Others			
		movable with 5 twin caster wheels, seat & back cushioned and covered with quality fabric		
	height adjustment	adjustable with automatic spindle		
	caster wheel arms			
	length	250mm.		
	width	40 mm.		
	Base cover thickness	2.5mm<		
2.2	Warranty	2 years comprehensive warranty		
3	Business Registration Certificate			
4	VAT registration Certificate			
5	Certificate of registration of Public Contract Act 03 of 1987			

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