

Provincial Department of Education (NWP)

Procurement of

Supply, Delivery & Installation of Desktop Computers & Accessories

Supply, Delivery & Installation of Smart Boards

Supply, Delivery & Installation of Photocopy Machines

Name of the Project: General Education Modernization Project (GEM)

Credit No. 6228 - LK

Pre-Bid Meeting 2021.12.13

The revised Specifications which are made on the Pre-Bid meeting held on 13.12.2021 as follows.

A.S.K. Jayalath

Chairman,

Departmental Procurement Committee,

Provincial Department of Education (NWP),

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Date: 13 December, 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, 12MB 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 , FCC/CE Certificate		
15.	Operating System	Genuine MS Windows 10 Professional 64bit license Factory loaded 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 • 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			

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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 on**Day 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.02**Item No. i****Technical Specifications for Smart Board**

	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>		
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 Earphon eSPDIF Front PC / Android USBFront Touch USB Front HDMI Input	

35.	Accessories	Movable Floor Stand Wall Mounting Bracket Remote Controller Power Cable Touch Cable HDMI Cable 2 * Touch PenUser Manual 1200VA UPS Wireless Keyboard / Mouse		
36.	Warranty	<ul style="list-style-type: none"> • 3 years Manufacturer's comprehensive 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. <ul style="list-style-type: none"> (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) 		

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.03Item No. iTechnical Specifications for Photocopy Machine

	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)		
9.	Copy & Print Functions (Standard)				
	Copy Size		Max. A3, Min. A6R		
10.	Resolution		600 x 600 dpi		
11.	First Copy & Print Time		Less Than 6 seconds		
12.	Zoom Ratio		25% to 400% (1% per Step)		
13.	Multiple Copy		1 to 999		
14.	ID Card Copy		Yes		
15.	Operating System Supported		Windows: 7/8.1/10, Server - 2008/R2/2012/2012 R2/2016, Linux		

16.	Interface	USB2.0 High Speed x1, Inbuilt Ethernet port (RJ45), WLAN IEEE 802.11b/g/n		
Scan Functions (Standard)				
17.	Color Selection	Full Color; Gray scale; Mono		
18.	Resolution	Color/ Gray scale: 300dpi, 200dpi; Mono: 600dpi,400dpi, 300dpi, 200dpi		
19.	File Format	PDF, JPEG, Compact PDF & Searchable PDF, BMP		
Power Consumption (Standard configuration)				
20.	Copy/Print Mode	450W or less		
21.	Stand-by Mode	75W or less		
22.	Sleep Mode	2.5W or less		

Consumables & Options				
23.	Special Features	Energy Saver, Auto Sleep Mode		
24.	Weight	Approx. 27Kg (Excluding the weight of toner container)		
25.	Dimension (W x D x H) (Main Unit)	(Specify)		
26.	Price per Drum	(Specify)		
27.	Copies per Drum	(Specify)		
28.	Drum Warranty	(Specify)		
29.	Number of Copies per Toner	(Specify)		
30.	Price of Toner	(Specify)		
31.	Price of developer	(Specify)		
32.	Copies per developer	(Specify)		
33.	Running cost per 500,000 Copies			
34.	Toner Cartridge	Provide full capacity toner for the machine and provide an additional toner cartridge		
35.	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) 		
36.	Technical support	Regional support should be available. Proof should be Attached		

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 		
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