

Punjabi University, Patiala

(Established under Punjab Act # 35 of 1961)

SHORT TERM E-TENDER NOTICE

E-Tenders on per item rate basis are invited by Project Coordinator, Head, Deptt of Education and Community Services, Punjabi University, Patiala for setting up Faculty Development Centre (Room No. 2, 3 and 4, Ground floor Teaching Block) under Pandit Madan Mohan Malaviya Mission on Teachers and Teaching, the culmination of Govt of India to make Purchase of Desktops, AiO, Laptops, Scanners, MFP, Inkjet Printer, UPS etc. E-Tenders are to be submitted through the website www.tenderwizard.com/PUNJAB. All interested Manufacturers/ Suppliers/ Authorized Dealers/ OEMs/ Vendors etc., fulfilling the eligibility criteria mentioned herein can quote for.

Note: For setting up of LAN and purchase of networking equipment, a separate tender is to be submitted.

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| 1. Last date and Time for receipt of Tender online | 06-12-2019 (till 5.00 PM) |
| 2. Last date for submitting sealed Folder- "A" to be submitted at Head, Deptt of Education and Community Services, Punjabi University, Patiala. | 06-12-2019 (till 2:00 PM) |
| 3. Time and date of opening Technical bid (refer to Annexure A) in the Computer Lab of University Computer Centre, Punjabi University, Patiala Campus | 09-12-2019 (11:00 AM) |
| 4. Time and date of opening Financial bid (refer to Annexure B) in the Computer Lab of University Computer Centre, Punjabi University, Patiala Campus | 10-12-2019 (11:00 AM) |

<i>Name of Supply</i>	<i>Earnest Money (Refundable)</i>	<i>Tender Fees (Non Refundable)</i>	<i>Bid processing fee.</i>
Purchase of Desktops, AIO, Laptops, Scanners, MFP, Inkjet Printer, UPS etc. (On Each Item Basis Separately).	<i>Gross Total of all items = Rs. 68,900/- (Total earnest money shall be calculated as the sum total of all the items being quoted by the respective vendor)</i>	Rs. 2000/-	Rs.2360/-

Aspiring Tenderer who has not obtained the User ID and password for participating in e-tendering may obtain the same by registering in the e-procurement portal www.tenderwizard.com/PUNJAB. The Tenderers once registered can participate in any of the department tenders. For any clarification contact 9257209340, 0172-5035985, 8146699866 or E-mail : etenderhelpdeskpb@gmail.com, pavitar.s@etenderwizard.com

Important Information: -

1. The last date for Bid Processing fees, Earnest Money, Tender fees through e-payment (Direct Debit or Internet Banking, NEFT, RTGS) and submission of e-tender on e-procurement portal www.tenderwizard.com/PUNJAB is **06-12-2019**(till 5.00 pm) .
2. In case Earnest Money, Tender Processing Fees and Bid Processing Fees of the requisite amount are not deposited, the bid will not be considered and rejected straightaway.
3. In case the rate quoted in tender received from OEM (Manufacturer), authorised dealer or any vendor (not an authorised dealer) are same. The preference shall be given as follows: -
 - 1) OEM
 - 2) Authorised Dealer
 - 3) Any Vendor (not an authorised dealer)
4. Pre-qualification Requirements shall be ensured by submitting the documents such as Registration, PAN No., GST Number, Income Tax Return (last 2 returns filed) and Non Black List Self certificate that they have not been debarred/ blacklisted by any Govt./ Semi Govt. Organization or any Corporation at any stage., should be uploaded on e-procurement portal www.tenderwizard.com/PUNJAB
5. In case of eventuality the tenderer came to know about any mistake in the filled tender and wants to convey some clarification or want to give additional input regarding the product price or company, the same shall be uploaded vide scanned copy of the official letter pad of the company on e-procurement portal. The right to accept/ reject the same lies with the University.
6. The Folder "A" shall contain: -
 - a. Brochure related to technical specifications of the product.
 - b. Please provide Technical specifications, make, model, etc. of the various components/ parts (OEM or third party) used in the product/ equipment being supplied on the official pad of the Supplier/ Vendor along with the warranty.
 - c. The Supplier/ Vendor will give an undertaking on their company's pad, that company is bound to provide warranty on all the parts (OEM or third party) of the product supplied by them.
7. The vendor is also required to upload the list of items being quoted along with the earnest money of each item.
8. Corrigendum/ Addendum/ Corrections, if any, will be published on the Website. The parties are advised to frequently check the website www.tenderwizard.com/PUNJAB

Please note that Quantity mentioned below is indicative in nature. It is subject to change as per the actual requirements. It may increase/ decrease or may not be purchased at all.

Sr. No.	Qty	Specifications	Earnest Money (Rs.)
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1.	03	Desktop Commercial segment 8th Gen., i3 Processor, Pre-installed Windows (English Language) 64 Bit upgradable through Campus Licence Agreement, 4 GB RAM DDR4, 1TB HDD, Minimum two PCIE Slots, DVD RW, Wi-Fi Card, 21" Coloured Monitor, USB Mouse & Keyboard, 3 years warranty onsite, All the components shall be OEM fitted. (Makes of preference: Lenovo, HP, Dell)	2700
2.	03	MFP MONO Laser Jet Printer with Print, Copy and Scan Functions. Duplex, Wi-Fi ready, 18 PPM (Printer Speed Black), with ADF, Scan Resolution up to 600 dpi coloured and 1200 dpi mono on flat with one year onsite warranty (Makes of preference: Canon, Ricoh, Epson, Hp)	1400
3.	01	Photocopier Machine : 20 ppm, minimum memory 256 MB, Network Ready, paper size Standard paper tray(s): A3, A4, A5, By-pass Tray A3, A4, A5, A6, Paper Input Capacity Standard: 350 sheets, Paper Weight Standard paper tray(s):52 - 105 g/m ² , Bypass tray: 52 - 216 g/m ² , Duplex: 64 - 105 g/m ² , Multiple Copying Up to 99 copies, Resolution Up to 600 dpi, Zoom From 50% to 200%, Scan Speed Colour: Maximum 6 originals per minute, B/W Maximum 15 originals per minute, Resolution Maximum 600 dpi. Warranty - 2 years onsite. (Makes of preference: Ricoh, Canon, Sharp , Toshiba, HP, Kyocera) with 2 KVA CVT with one year warranty.	900
4.	20	Commercial Desktop intel 8th Gen. Full Powered processor i5 64 bit base 21" Coloured Monitor, 8GB DDR4 RAM, 2GB Graphics Card, Windows 10 home single language (English) 64 Bit upgradable through Campus Licence Agreement USB 3.0, USB 2.0, HDD 1TB, DVDRW, USB, keyboard and mouse, 3 years onsite warranty, All the components shall be OEM fitted. (Makes of preference: Lenovo, HP, Dell).	22000
5.	05	Desktop Intel i7 8th Gen., 8GB DDR4 RAM, Graphics card, Monitor 27", 2 TB HDD, Pre-installed Windows (English Language) 64 Bit upgradable through Campus Licence Agreement, Keyboard, mouse, 4GB Graphics Card, 3 years warranty, All the components shall be OEM fitted. (Makes of preference: Lenovo, HP, Dell)	7500
6.	02	Laptop Intel Core i7 8th Gen., 12 GB DDR4-2400 SDRAM, 512GB SSD, 14" Display, 4GB Graphics Card, 2 USB 3.0, 1 USB 2.0, 1 HDMI, Window 10, Laptop Bag. Three years onsite warranty.	6000
7.	01	Scanner Sheet feed/ ADF/ Flatbed scanner- Scanning Resolution up to 600x600dpi, scanning speed-30ppm, ADF capacity-50	700

		sheets. Warranty - 1 year onsite	
8.	01	Inkjet Printer Single Function with Ink Tanks; Printer, Output - Colour, Pages per minute - 27 pages (Black & White), 15 pages (Colour) ; Paper size- A4/Legal, Warranty - 1 year onsite	200
9.	01	Flatbed Scanner with Optical Resolution 2400 dpi x 4800 dpi, Input type Colour, Document Size Class A4/ Letter, One-year warranty.	100
10.	02	<p>3KVA Online UPS with 60min Backup (1P In -1P Out) 3KVA/ 2.4KW True Online , DSP Controlled online UPS with 1 phase AC input and 1 phase AC output with 60 min backup on 100% load with 12V SMF batteries Bank with Rack (min. VAH required =6240 VAH) ,The UPS should be with IGBT Based Rectifier and IGBT based Inverter and with LCD/LED display for monitoring of its status along with inbuilt Galvanic Isolation Transformer of Same OEM Make at input side.</p> <p><u>UPS should have following Features:</u> UPS power factor : Input PF should be 0.99 AND output PF not less than 0.8 , Efficiency: overall efficiency up to 90% , Harmonic distortion : THD <3% for linear loads, < 5% for non - linear loads, Overload capacity : up to 110% for 10 Min. & 130% for 60 sec . Communication interface : RS232/USB port and SNMP compatibility for future remote Monitoring , Audible Alarm : Mains Failure/Low battery /UPS Warning /Overload/Fault & Bypass Mode , Compatibility with DG Genset , Built in Automatic Bypass Switch , Warranty : 2 Years on UPS as well as on Batteries, Preferred Brand : APC / Emerson / Legrand-Numeric/ Techser/ Delta/ Luminous/ Schneider. Scope includes connecting the batteries batteries with UPS and input-output with UPS</p>	3400
11.	01	<p>10KVA Online UPS for 120 min Backup (1P In -1P Out) True Online , DSP Controlled online UPS with 1 phase AC input and 1 phase AC output with 120 min backup with 12V SMF batteries Bank with Rack (min. VAH required =24000 VAH) ,The UPS should be with IGBT Based Rectifier and IGBT based Inverter and with LCD/LED display for monitoring of its status along with inbuilt Galvanic Isolation Transformer of Same OEM Make at input side.</p> <p><u>UPS should have following Features:</u> UPS power factor : Input PF should be 0.99 or more AND output PF not less than 0.8 , Efficiency: overall efficiency up to 92% , Harmonic distortion : THD <2% for linear loads, < 5% for non -</p>	6000

		<p>linear loads, Overload capacity : up to 110% for 3 Min. & 130% for 30 sec . Communication interface : RS232/USB port and SNMP compatibility for future remote Monitoring , Audible Alarm : Mains Failure/Low battery /UPS Warning /Overload/Fault & Bypass Mode , CERTIFICATIONS & Standard : ISO 18001 Certified , ROHS , BIS certifications , Compatibility with DG Genset , Built in Automatic Bypass Switch , Warranty : 2 Years on UPS as well as on Batteries, Preferred Brand : APC / Emerson / Legrand-Numeric/ Techser/ Delta/ Luminous/ Schneider. Scope includes connecting the batteries batteries with UPS and input-output with UPS</p>	
12.	01	Motorized Screen with remote, Wall Mount (size 8' X 6')	400
13.	01	LED Projector (HDMI 2500 Lumens with Wi-Fi Feature, Five years Warranty) , Wall Mount Screen (8' X 6')	2000
14.	02	Digital Screen 80 cm LED HD Ready (HDMI, USB, VGA, Wall Mount, 1 year warranty.	1600
15.	02	<p>Digital Podium Features: Mild Steel Material Stand-alone Digital Podium. Wheels with lock. Smooth round edge at the top, Tray for keyboard, Sliding tray with lock for protection of the interactive panel and controller, space for 19" interactive panel with angle adjustment, Drawer with lock for visualizer, shelf for keeping laptop or documents locks for safety, standard rack to keep all the equipment and PC.; Extend Ports: 1 VGA Out, 1 HDMI Out, 1 video Out, 1 Audio Out, Power input; Central Control System; Should be able to control from the controller with easy identified keys- projector on off, Motorised Screen up & Down, switching between PC, Visual Presenter and Laptop, Volume control, front panel should have power plug of 220-volt power out for laptop etc. VGA Port X 01, Laptop Audio Input X 01, Network Port wired internet X01, USBX 01 Ports to facilitate inputs directly from pen drives/ USB based hard disk Drive. 1x USB for SW Update. Ports for microphone input,1 video port, 2 audio Port (Left and Right), Back Panel of the controller should have 2x2 VGA matrix, 2 USB Ports for front connectivity, Network Port for front connectivity, should have 3 video in and 1 video out, 3 Audio (left) in, 3 Audio (Right) in, 1 Audio (Left) Out, 1 Audio (Right) out, Projector Power x1, Electric Screen Power x1.; Built-in-Audio; Microphone: , Gooseneck, Cordless Collar x1, Handheld Cordless x1, Mixer Amplifier: 120 watt, Speakers: 6 wall (each), Mount Speakers x4; Interactive Panel; Panel Type: Backlit LED , Display Size: 19", Resolution: 1440x900 pixels, Brightness: 300cd/m² or higher, Contrast: 1000:1, Connectivity: RGB/VGA, Technology:</p>	14000

	<p>Electromagnetic with pen, interface: USB, Pressure Sensitivity: 2048 Levels, Data Report: 200 reports/ per second, Accuracy: \pm 0.5mm, OS: Windows/ Vista/ Mac/ Linux, Software Feature: Should be able to Annotate on Blank Screen, Power Point and on other application of windows.; Visualizer: ; Pick-up Device: 3.2 Mega Pixel 1/3" CMOS, Still Image Resolution: XGZ, SXGZ, 720P, 1080P, Frame Rate: 20 Frames/ sec., Image Mode: Normal/ Photo/Text/ Slide/ Film/ Gray, Zooming: 12 x Optical Zoom and 12 x Digital, Lamp: Two side Lights and one Base light Built-in, Image Capture: Yes Image Storage Built in the Visualizer, TV Lines: 800 TV Lines, Image Effect: Mirror, Rotation, Split, Black & white, Negative, Image Split: Yes, Focusing and white Balance: Audio/ Manual, Video Recording With sound: Yes, Inputs: VGA x 2, HDMI x1 Video x 2 Audio x2 Outputs: VGA x 2 HDMI x 1, Video x1, Audio x 1, Others: Slave USB x 1 Weight: Not more than 3.5 kg.</p>	
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Terms and Conditions: -

1. Prices should be inclusive of all taxes and levies in INR on F.O.R. Punjabi University Patiala.
2. Payment will be released on successful installation and commissioning.
3. Order can be placed to different vendors for different Items.
4. All items, OEM or third party, to be supplied shall be amply supported with onsite warranty. All RMA, shall be in name of Punjabi University, Patiala.
5. Vendor shall be responsible for onsite deployment.
6. All costs related to the installation of the equipment (including all necessary materials, labour, etc.) will be the responsibility of the vendor.
7. If there is holiday on the opening day of the tender, the tender may be opened on the next working day at the same time and at the same place.
8. The Purchase Committee reserves the right to reject the tender without assigning any reason before/ after opening of the tenders and the tenderers shall have no right or any claim what so ever for the same on this account.
9. The University reserves the right to increase/ decrease the quantity of items or may not purchase at all. The Suppliers/ Tenderers shall have no right or any claim what so ever for the same on this account.
10. The rate quoted by the Supplier/ Tenderer shall be inclusive of all the taxes i.e. GST or any other taxes levied by Central Govt. or State Government Authority or Local Bodies including their variations as notified by the Concerned Authority from time to time and of all the new taxes and levies that may be imposed. Firm will supply the material on quoted Rates which include F.O.R., Loading, Unloading, stacking and inclusive of all taxes. Nothing Extra shall be paid.
11. **Delivery Time: 30 Days (Maximum)**
12. Item wise earnest money has been depicted in the e-Tender Notice on the website www.punjabiversity.ac.in. & www.tenderwizard.com/PUNJAB
13. The Supplier/ Tenderer shall comply with the proper by- Laws and legal order of the local body or authority under the jurisdiction of which the supply is executed and pay all fees and charges for which Supplier/ Tenderer may be liable. Nothing extra shall be payable by the University on this account.
14. In case of failure of supply of material as per by Punjabi University, Patiala in corroboration with the information provided by the vendor in the Folder "A" the

University reserve the right to reject the supply and can forfeit the earnest money deposited by the firm.

15. In case of any dispute, the decision of the Vice-chancellor, Punjabi University, Patiala shall be final and binding on both the parties. Dispute leading to litigation the jurisdiction will be Patiala (Punjab) only.

16. ANY CORRIGENDUM RELATED TO THE ABOVE SAID PURCHASES WILL BE NOTIFIED ON www.tenderwizard.com/PUNJAB. Please keep on referring to the website regularly for latest notifications.

Dr Jasraj Kaur
Project Coordinator, Professor and Head,
Department of Education & Community Services
Punjabi University, Patiala.

Annexure “A”

Technical Sheet

Sr. No.	Specifications	Interested in supplying the item? (Yes/ No)	Make/ Model	Do you meet the specifications? (Yes/No)
1.	Desktop Commercial segment 8th Gen., i3 Processor, Pre-installed Windows (English Language) 64 Bit upgradable through Campus Licence Agreement, 4 GB RAM DDR4, 1TB HDD, Minimum two PCIE Slots, DVD RW, Wi-Fi Card, 21" Coloured Monitor, USB Mouse & Keyboard, 3 years warranty onsite, All the components shall be OEM fitted. (Makes of preference: Lenovo, HP, Dell)			
2.	MFP MONO Laser Jet Printer with Print, Copy and Scan Functions. Duplex, Wi-Fi ready, 18 PPM (Printer Speed Black), with ADF, Scan Resolution up to 600 dpi coloured and 1200 dpi mono on flat with one year onsite warranty (Makes of preference: Canon, Ricoh, Epson, Hp)			
3.	Photocopier Machine : 20 ppm, minimum memory 256 MB, Network Ready, paper size Standard paper tray(s): A3, A4, A5, By-pass Tray A3, A4, A5, A6, Paper Input Capacity Standard: 350 sheets, Paper Weight Standard paper			

	tray(s):52 - 105 g/m ² , Bypass tray: 52 - 216 g/m ² , Duplex: 64 - 105 g/m ² , Multiple Copying Up to 99 copies, Resolution Up to 600 dpi, Zoom From 50% to 200%, Scan Speed Colour: Maximum 6 originals per minute, B/W Maximum 15 originals per minute, Resolution Maximum 600 dpi. Warranty - 2 years onsite. (Makes of preference: Ricoh, Canon, Sharp , Toshiba, HP, Kyocera) with 2 KVA CVT with one year warranty.			
4.	Commercial Desktop intel 8th Gen. Full Powered processor i5 64 bit base 21" Coloured Monitor, 8GB DDR4 RAM, 2GB Graphics Card, Windows 10 home single language (English) 64 Bit upgradable through Campus Licence Agreement USB 3.0, USB 2.0, HDD 1TB, DVDRW, USB, keyboard and mouse, 3 years onsite warranty, All the components shall be OEM fitted. (Makes of preference: Lenovo, HP, Dell) .			
5.	Desktop Intel i7 8th Gen., 8GB DDR4 RAM, Graphics card, Monitor 27", 2 TB HDD, Pre-installed Windows (English Language) 64 Bit upgradable through Campus Licence Agreement, Keyboard, mouse, 4GB Graphics Card, 3 years warranty, All the components shall be OEM fitted. (Makes of preference: Lenovo, HP, Dell)			
6.	Laptop Intel Core i7 8th Gen., 12 GB DDR4-2400 SDRAM, 512GB SSD, 14" Display, 4GB Graphics Card, 2 USB 3.0, 1 USB 2.0, 1 HDMI, Window 10, Laptop Bag. Three years onsite warranty.			
7.	Scanner Sheet feed/ ADF/ Flatbed scanner- Scanning Resolution up to 600x600dpi, scanning speed-30ppm, ADF capacity-50 sheets. Warranty - 1 year onsite			
8.	Inkjet Printer Single Function with Ink Tanks; Printer, Output - Colour, Pages per minute - 27 pages (Black & White), 15 pages (Colour) ; Paper size- A4/Legal, Warranty - 1 year onsite			
9.	Flatbed Scanner with Optical Resolution 2400 dpi x 4800 dpi, Input type Colour, Document Size Class A4/ Letter, One-year warranty.			

10.	<p>3KVA Online UPS with 60min Backup (1P In -1P Out) 3KVA/ 2.4KW True Online , DSP Controlled online UPS with 1 phase AC input and 1 phase AC output with 60 min backup on 100% load with 12V SMF batteries Bank with Rack (min. VAH required =6240 VAH) ,The UPS should be with IGBT Based Rectifier and IGBT based Inverter and with LCD/LED display for monitoring of its status along with inbuilt Galvanic Isolation Transformer of Same OEM Make at input side.</p> <p><u>UPS should have following Features:</u></p> <p>UPS power factor : Input PF should be 0.99 AND output PF not less than 0.8 , Efficiency: overall efficiency up to 90% , Harmonic distortion : THD <3% for linear loads, < 5% for non - linear loads,</p> <p>Overload capacity : up to 110% for 10 Min. & 130% for 60 sec .</p> <p>Communication interface : RS232/USB port and SNMP compatibility for future remote Monitoring , Audible Alarm : Mains Failure/Low battery /UPS Warning /Overload/Fault & Bypass Mode , Compatibility with DG Genset , Built in Automatic Bypass Switch , Warranty : 2 Years on UPS as well as on Batteries,</p> <p>Preferred Brand : APC / Emerson / Legrand-Numeric/ Techser/ Delta/ Luminous/ Schneider.</p> <p>Scope includes connecting the batteries batteries with UPS and input-output with UPS</p>			
11	<p>10KVA Online UPS for 120 min Backup (1P In -1P Out) True Online , DSP Controlled online UPS with 1 phase AC input and 1 phase AC output with 120 min backup with 12V SMF batteries Bank with Rack (min. VAH required =24000 VAH) ,The UPS should be with IGBT Based Rectifier and IGBT based Inverter and with LCD/LED display for monitoring of its status along with inbuilt Galvanic Isolation Transformer of Same OEM Make at input side.</p> <p><u>UPS should have following Features:</u></p> <p>UPS power factor : Input PF should be 0.99 or more AND output PF not less than 0.8 , Efficiency: overall efficiency up to 92% ,</p>			

	<p>Harmonic distortion : THD <2% for linear loads, < 5% for non - linear loads,</p> <p>Overload capacity : up to 110% for 3 Min. & 130% for 30 sec .</p> <p>Communication interface : RS232/USB port and SNMP compatibility for future remote Monitoring , Audible Alarm : Mains Failure/Low battery /UPS Warning /Overload/Fault & Bypass Mode , CERTIFICATIONS & Standard : ISO 18001 Certified , ROHS , BIS certifications , Compatibility with DG Genset , Built in Automatic Bypass Switch , Warranty : 2 Years on UPS as well as on Batteries, Preferred Brand : APC / Emerson / Legrand-Numeric/ Techser/ Delta/ Luminous/ Schneider. Scope includes connecting the batteries batteries with UPS and input-output with UPS</p>			
12	Motorized Screen with remote, Wall Mount (size 8' X 6')			
13	LED Projector (HDMI 2500 Lumens with Wi-Fi Feature, Five years Warranty) , Wall Mount Screen (8' X 6')			
14	Digital Screen 80 cm LED HD Ready (HDMI, USB, VGA, Wall Mount, 1 year warranty.			
15	<p>Digital Podium</p> <p>Features: Mild Steel Material Stand-alone Digital Podium. Wheels with lock. Smooth round edge at the top, Tray for keyboard, Sliding tray with lock for protection of the interactive panel and controller, space for 19" interactive panel with angle adjustment, Drawer with lock for visualizer, shelf for keeping laptop or documents locks for safety, standard rack to keep all the equipment and PC.;</p> <p>Extend Ports: 1 VGA Out, 1 HDMI Out, 1 video Out, 1 Audio Out, Power input; Central Control System; Should be able to control from the controller with easy identified keys- projector on off, Motorised Screen up & Down, switching between PC, Visual Presenter and Laptop, Volume control, front panel should have power plug of 220-volt power out for laptop etc. VGA Port X 01, Laptop Audio Input X 01, Network Port wired internet X01, USBX 01 Ports to</p>			

<p>facilitate inputs directly from pen drives/ USB based hard disk Drive. 1x USB for SW Update. Ports for microphone input,1 video port, 2 audio Port (Left and Right), Back Panel of the controller should have 2x2 VGA matrix, 2 USB Ports for front connectivity, Network Port for front connectivity, should have 3 video in and 1 video out, 3 Audio (left) in, 3 Audio (Right) in, 1 Audio (Left) Out, 1 Audio (Right) out, Projector Power x1, Electric Screen Power x1.; Built-in-Audio; Microphone: , Gooseneck, Cordless Collar x1, Handheld Cordless x1, Mixer Amplifier: 120 watt, Speakers: 6 wall (each), Mount Speakers x4; Interactive Panel; Panel Type: Backlit LED , Display Size: 19”, Resolution: 1440x900 pixels, Brightness: 300cd/m² or higher, Contrast: 1000:1, Connectivity: RGB/VGA, Technology: Electromagnetic with pen, interface: USB, Pressure Sensitivity: 2048 Levels, Data Report: 200 reports/ per second, Accuracy: ± 0.5mm, OS: Windows/ Vista/ Mac/ Linux, Software Feature: Should be able to Annotate on Blank Screen, Power Point and on other application of windows.; Visualizer: ; Pick-up Device: 3.2 Mega Pixel 1/3” CMOS, Still Image Resolution: XGZ, SXGZ, 720P, 1080P, Frame Rate: 20 Frames/ sec., Image Mode: Normal/ Photo/Text/ Slide/ Film/ Gray, Zooming: 12 x Optical Zoom and 12 x Digital, Lamp: Two side Lights and one Base light Built-in, Image Capture: Yes Image Storage Built in the Visualizer, TV Lines: 800 TV Lines, Image Effect: Mirror, Rotation, Split, Black & white, Negative, Image Split: Yes, Focusing and white Balance: Audio/ Manual, Video Recording With sound: Yes, Inputs: VGA x 2, HDMI x1 Video x 2 Audio x2 Outputs: VGA x 2 HDMI x 1, Video x1, Audio x 1, Others: Slave USB x 1 Weight: Not more than 3.5 kg.</p>			
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Annexure “B”

FINANCIAL BID

Sr. No.	Qty	FINANCIAL BID	UNIT PRICE IN Rs.	TOTAL PRICE IN Rs.

1.	03	Desktop Commercial segment 8th Gen., i3 Processor, Pre-installed Windows (English Language) 64 Bit upgradable through Campus Licence Agreement, 4 GB RAM DDR4, 1TB HDD, Minimum two PCIE Slots, DVD RW, Wi-Fi Card, 21" Coloured Monitor, USB Mouse & Keyboard, 3 years warranty onsite, All the components shall be OEM fitted. (Makes of preference: Lenovo, HP, Dell)		
2.	03	MFP MONO Laser Jet Printer with Print, Copy and Scan Functions. Duplex, Wi-Fi ready, 18 PPM (Printer Speed Black), with ADF, Scan Resolution up to 600 dpi coloured and 1200 dpi mono on flat with one year onsite warranty (Makes of preference: Canon, Ricoh, Epson, Hp)		
3.	01	Photocopier Machine : 20 ppm, minimum memory 256 MB, Network Ready, paper size Standard paper tray(s): A3, A4, A5, By-pass Tray A3, A4, A5, A6, Paper Input Capacity Standard: 350 sheets, Paper Weight Standard paper tray(s):52 - 105 g/m ² , Bypass tray: 52 - 216 g/m ² , Duplex: 64 - 105 g/m ² , Multiple Copying Up to 99 copies, Resolution Up to 600 dpi, Zoom From 50% to 200%, Scan Speed Colour: Maximum 6 originals per minute, B/W Maximum 15 originals per minute, Resolution Maximum 600 dpi. Warranty - 2 years onsite. (Makes of preference: Ricoh, Canon, Sharp , Toshiba, HP, Kyocera) with 2 KVA CVT with one year warranty.		
4.	20	Commercial Desktop intel 8th Gen. Full Powered processor i5 64 bit base 21" Coloured Monitor, 8GB DDR4 RAM, 2GB Graphics Card, Windows 10 home single language (English) 64 Bit upgradable through Campus Licence Agreement USB 3.0, USB 2.0, HDD 1TB, DVDRW, USB, keyboard and mouse, 3 years onsite warranty, All the components shall be OEM fitted. (Makes of preference: Lenovo, HP, Dell).		
5.	05	Desktop Intel i7 8th Gen., 8GB DDR4 RAM, Graphics card, Monitor 27", 2 TB HDD, Pre-installed Windows (English Language) 64 Bit upgradable through Campus Licence Agreement, Keyboard, mouse, 4GB Graphics Card, 3 years warranty, All the components shall be OEM fitted. (Makes of preference: Lenovo, HP, Dell)		

6.	02	Laptop Intel Core i7 8th Gen., 12 GB DDR4-2400 SDRAM, 512GB SSD, 14" Display, 4GB Graphics Card, 2 USB 3.0, 1 USB 2.0, 1 HDMI, Window 10, Laptop Bag. Three years onsite warranty.		
7.	01	Scanner Sheet feed/ ADF/ Flatbed scanner- Scanning Resolution up to 600x600dpi, scanning speed-30ppm, ADF capacity-50 sheets. Warranty - 1 year onsite		
8.	01	Inkjet Printer Single Function with Ink Tanks; Printer, Output - Colour, Pages per minute - 27 pages (Black & White), 15 pages (Colour) ; Paper size- A4/Legal, Warranty - 1 year onsite		
9.	01	Flatbed Scanner with Optical Resolution 2400 dpi x 4800 dpi, Input type Colour, Document Size Class A4/ Letter, One-year warranty.		
10.	02	<p>3KVA Online UPS with 60min Backup (1P In - 1P Out) 3KVA/ 2.4KW True Online , DSP Controlled online UPS with 1 phase AC input and 1 phase AC output with 60 min backup on 100% load with 12V SMF batteries Bank with Rack (min. VAH required =6240 VAH) ,The UPS should be with IGBT Based Rectifier and IGBT based Inverter and with LCD/LED display for monitoring of its status along with inbuilt Galvanic Isolation Transformer of Same OEM Make at input side.</p> <p><u>UPS should have following Features:</u></p> <p>UPS power factor : Input PF should be 0.99 AND output PF not less than 0.8 , Efficiency: overall efficiency up to 90% , Harmonic distortion : THD <3% for linear loads, < 5% for non - linear loads,</p> <p>Overload capacity : up to 110% for 10 Min. & 130% for 60 sec .</p> <p>Communication interface : RS232/USB port and SNMP compatibility for future remote Monitoring , Audible Alarm : Mains Failure/Low battery /UPS Warning /Overload/Fault & Bypass Mode , Compatibility with DG Genset , Built in Automatic Bypass Switch , Warranty : 2 Years on UPS as well as on Batteries, Preferred Brand : APC / Emerson / Legrand-Numeric/ Techser/ Delta/ Luminous/ Schneider.</p> <p>Scope includes connecting the batteries batteries with UPS and input-output with UPS</p>		
11.	01	10KVA Online UPS for 120 min Backup (1P In -1P Out) True Online , DSP Controlled online		

		<p>UPS with 1 phase AC input and 1 phase AC output with 120 min backup with 12V SMF batteries Bank with Rack (min. VAH required =24000 VAH) ,The UPS should be with IGBT Based Rectifier and IGBT based Inverter and with LCD/LED display for monitoring of its status along with inbuilt Galvanic Isolation Transformer of Same OEM Make at input side.</p> <p><u>UPS should have following Features:</u></p> <p>UPS power factor : Input PF should be 0.99 or more AND output PF not less than 0.8 , Efficiency: overall efficiency up to 92% , Harmonic distortion : THD <2% for linear loads, < 5% for non - linear loads,</p> <p>Overload capacity : up to 110% for 3 Min. & 130% for 30 sec .</p> <p>Communication interface : RS232/USB port and SNMP compatibility for future remote Monitoring , Audible Alarm : Mains Failure/Low battery /UPS Warning /Overload/Fault & Bypass Mode , CERTIFICATIONS & Standard : ISO 18001 Certified , ROHS , BIS certifications , Compatibility with DG Genset , Built in Automatic Bypass Switch , Warranty : 2 Years on UPS as well as on Batteries, Preferred Brand : APC / Emerson / Legrand-Numeric/ Techser/ Delta/ Luminous/ Schneider. Scope includes connecting the batteries batteries with UPS and input-output with UPS</p>		
12.	01	Motorized Screen with remote, Wall Mount (size 8' X 6')		
13.	01	LED Projector (HDMI 2500 Lumens with Wi-Fi Feature, Five years Warranty) , Wall Mount Screen (8' X 6')		
14.	01	Digital Screen 80 cm LED HD Ready (HDMI, USB, VGA, Wall Mount, 1 year warranty.		
15.	02	<p>Digital Podium</p> <p>Features: Mild Steel Material Stand-alone Digital Podium. Wheels with lock. Smooth round edge at the top, Tray for keyboard, Sliding tray with lock for protection of the interactive panel and controller, space for 19" interactive panel with angle adjustment, Drawer with lock for visualizer, shelf for keeping laptop or documents locks for safety, standard rack to keep all the equipment and PC.;</p> <p>Extend Ports: 1 VGA Out, 1 HDMI Out, 1 video Out, 1 Audio Out, Power input; Central Control System; Should be able to control from the controller with easy identified keys-</p>		

	<p>projector on off, Motorised Screen up & Down, switching between PC, Visual Presenter and Laptop, Volume control, front panel should have power plug of 220-volt power out for laptop etc. VGA Port X 01, Laptop Audio Input X 01, Network Port wired internet X01, USBX 01 Ports to facilitate inputs directly from pen drives/ USB based hard disk Drive. 1x USB for SW Update. Ports for microphone input,1 video port, 2 audio Port (Left and Right), Back Panel of the controller should have 2x2 VGA matrix, 2 USB Ports for front connectivity, Network Port for front connectivity, should have 3 video in and 1 video out, 3 Audio (left) in, 3 Audio (Right) in, 1 Audio (Left) Out, 1 Audio (Right) out, Projector Power x1, Electric Screen Power x1.; <u>Built-in-Audio:</u> Microphone: , Gooseneck, Cordless Collar x1, Handheld Cordless x1, Mixer Amplifier: 120 watt, Speakers: 6 wall (each), Mount Speakers x4; <u>Interactive Panel;</u> Panel Type: Backlit LED , Display Size: 19", Resolution: 1440x900 pixels, Brightness: 300cd/m² or higher, Contrast: 1000:1, Connectivity: RGB/VGA, Technology: Electromagnetic with pen, interface: USB, Pressure Sensitivity: 2048 Levels, Data Report: 200 reports/ per second, Accuracy: ± 0.5mm, OS: Windows/ Vista/ Mac/ Linux, Software Feature: Should be able to Annotate on Blank Screen, Power Point and on other application of windows.; <u>Visualizer: ;</u> Pick-up Device: 3.2 Mega Pixel 1/3" CMOS, Still Image Resolution: XGZ, SXGZ, 720P, 1080P, Frame Rate: 20 Frames/ sec., Image Mode: Normal/ Photo/Text/ Slide/ Film/ Gray, Zooming: 12 x Optical Zoom and 12 x Digital, Lamp: Two side Lights and one Base light Built-in, Image Capture: Yes Image Storage Built in the Visualizer, TV Lines: 800 TV Lines, Image Effect: Mirror, Rotation, Split, Black & white, Negative, Image Split: Yes, Focusing and white Balance: Audio/ Manual, Video Recording With sound: Yes, Inputs: VGA x 2, HDMI x1 Video x 2 Audio x2 Outputs: VGA x 2 HDMI x 1, Video x1, Audio x 1, Others: Slave USB x 1 Weight: Not more than 3.5 kg.</p>	
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