

RFP- Empanelment of vendors for supply of Computer Hardware, Anti-Virus Software and Peripherals for FY 2022-23. RFP No: BCC:IT:PROC:114:10 dt: 15th March 2022.

SPEC - TYPE A PC

ANNEXURE - 16A

Desktop TYPE A PC	Complied	
HARDWARE: Make & Model of Desktop PC – _____	Y/ N	If no. remarks
FORM FACTOR - Tower		
CPU - Intel Core i5 - 11500 Series Processor / AMD Ryzen 7 4700G Series Processor		
FREQUENCY - Base frequency @ 2.6 GHz or higher and turbo frequency @ 4.40 GHz or higher		
CORE - 6 cores or higher		
CHIPSET - Any compatible Intel/AMD Chipset meeting the specification below. Motherboard should be of OEM with OEM logo embossed on it (stickering not allowed)		
BIOS - Standard BIOS		
MEMORY - 16 GB DDR4 2666 / 2933 MHz or higher		
MEMORY EXPANDABILITY - Expandable to Min. 64 GB		
MEMORY SLOT - Min. 2 Nos.		
CD Drive - SATA Min. 8x DVD+/- RW with dual layer write capability		
HDD - 512 GB Solid State Drive (SSD) or equivalent or higher		
NIC - Integrated 10/100/1000 Mb/s PCI Bus Fast Ethernet adapter with Wake on LAN		
GRAPHICS - Integrated Intel HD graphics with shared RAM or AMD Radeon HD graphics or equivalent or higher		
AUDIO - High Definition Audio or equivalent with Internal / External Speaker		
POWER SUPPLY - Min. 180W 100-240VAC 50-60Hz		
EXPANSION SLOTS - Min. One PCI Express x16, Min. One PCIe x1 / PCIe / PCI.		
PORTS: Front - Min. 4 USB port, Universal Audio Jack. Rear - Min. 2 USB port, Ethernet (RJ 45), 1 no. of VGA + 1 no. of HDMI / DVI Port / Display Port, Line in, Line out. Note: Total USB Ports 6 no's out of which Min 2 USB Port with 3.2 required.		
TOTAL DRIVE BAYS - Min. 2 Bays		
MONITOR - Min. 19.5" Wide TFT LED Colour Monitor (Make – Desktop OEM) with a compliant standard of TCO 8.0		
KEYBOARD - 104 Keys USB Heavy Duty Keyboard (Make - OEM)		
POINTING DEVICE - Two Buttons with scroll button USB Mouse with PAD (Make - OEM)		
SOFTWARE:		
OS CERTIFICATION - Windows 10		
SECURITY - Boot Setup Password & Discrete TPM 2.0		
MANAGEABILITY - Failure Notification for Memory & HDD		
COMPLIANCE (Latest) - Safety - Any one or more EPEAT Certified rating, Energy Star 7.0 compliant, Green guard, RoHS & Green Peace Rating of 4 or above		
OPERATING SYSTEM – Windows 11 Pro Licence, however the PC needs to be supplied (pre-installed) with Windows 10 Pro. The system should be provided with Windows 10 Pro CD, Drivers CD and Recovery CD. Note: In future if there is any requirement to upgrade the Desktop PC from Windows 10 to Windows 11, Vendor has to depute engineers to upgrade these Desktop PC at its respective locations without any additional cost to the Bank.		

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SPEC - TYPE B PC 512SSD

Annexure 16B

Desktop Type B 512SSD	Complied	
	Y/N	If no. remarks
HARDWARE: Make & Model of Desktop PC – _____		
FORM FACTOR - Tower		
CPU - Intel Core i3 - 10105 Series Processor / AMD Ryzen 5 Pro 4650G Series Processor		
FREQUENCY - Base frequency @ 3.7 GHz or higher and turbo frequency @ 4.20 Ghz or higher		
CORE - 4 cores or higher		
CHIPSET - Any compatible Intel / AMD Chipset meeting the specification below. Motherboard should be of OEM with OEM logo embossed on it (stickering not allowed)		
BIOS - Standard BIOS		
MEMORY - 8 GB DDR4 2666 / 2933 MHz or higher		
MEMORY EXPANDABILITY - Expandable to Min 32 GB		
MEMORY SLOT - Min. 2 Nos.		
CD Drive - SATA Min. 8x DVD+/- RW with dual layer write capability		
HDD - 512 GB Solid State Drive (SSD) or higher		
NIC - Integrated 10/100/1000 Mb/s PCI Bus Fast Ethernet adapter with Wake on LAN		
GRAPHICS - Integrated Intel HD graphics with shared RAM or AMD Radeon Vega 11 HD graphics or equivalent or higher.		
AUDIO - High Definition Audio or equivalent with Internal / External Speaker		
POWER SUPPLY - Min 180W 100-240VAC 50-60Hz		
EXPANSION SLOTS - Min. One PCI Express x16, Min. One PCIe x1 / PCIe / PCI.		
PORTS: Front - Min. 4 USB port, Universal Audio Jack. Rear - Min. 2 USB port, Ethernet (RJ 45), 1 no. of VGA + 1 no. of HDMI / DVI Port / Display Port, Line in, Line out. Note: Total USB Ports 6 no's out of which Min 2 USB Port with 3.2 required.		
TOTAL DRIVE BAYS - Min. 2 Bays		
MONITOR - Min. 19.5" Wide TFT LED Colour Monitor (Make – Desktop OEM) with a compliant standard of TCO 8.0		
KEYBOARD - 104 Keys USB Heavy Duty Keyboard (Make - OEM)		
POINTING DEVICE - Two Buttons with scroll button USB Mouse with PAD (Make - OEM)		
SOFTWARE:		
OS CERTIFICATION - Windows 10		
SECURITY - Boot Setup Password & Discrete TPM 2.0		
MANAGEABILITY - Pre-Failure Notification for Memory & HDD		
COMPLIANCE (Latest) - Safety - Any one or more EPEAT Certified rating, Energy Star 7.0 compliant, Green guard, RoHS & Green Peace Rating of 4 or above		
OPERATING SYSTEM – Windows 11 Pro Licence, however the PC needs to be supplied (pre-installed) with Windows 10 Pro. The system should be provided with Windows 10 Pro CD, Drivers CD and Recovery CD. Note: In future if there is any requirement to upgrade the Desktop PC from Windows 10 to Windows 11, Vendor has to depute engineers to upgrade these Desktop PC at its respective locations without any additional cost to the Bank.		

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SPEC - TYPE B PC 256SSD With Monitor

Annexure 16C

Desktop Type B 256 SSD with Monitor	Complied	
HARDWARE: Make & Model of Desktop PC – _____	Y/ N	If no. remarks
FORM FACTOR - Tower		
CPU - Intel Core i3 - 10105 Series Processor / AMD Ryzen 5 Pro 4650G Series Processor		
FREQUENCY - Base frequency @ 3.7 GHz or higher and turbo frequency @ 4.20 Ghz or higher		
CORE - 4 cores or higher		
CHIPSET - Any compatible Intel / AMD Chipset meeting the specification below. Motherboard should be of OEM with OEM logo embossed on it (stickering not allowed)		
BIOS - Standard BIOS		
MEMORY - 8 GB DDR4 2666 / 2933 MHz or higher		
MEMORY EXPANDABILITY - Expandable to Min 32 GB		
MEMORY SLOT - Min. 2 Nos.		
HDD - 256 GB Solid State Drive (SSD) or higher		
NIC - Integrated 10/100/1000 Mb/s PCI Bus Fast Ethernet adapter with Wake on LAN		
GRAPHICS - Integrated Intel HD graphics with shared RAM or AMD Radeon Vega 11 HD graphics or equivalent or higher.		
AUDIO - High Definition Audio or equivalent with Internal / External Speaker		
POWER SUPPLY - Min 180W 100-240VAC 50-60Hz		
EXPANSION SLOTS - Min. One PCI Express x16, Min. One PCIe x1 / PCIe / PCI.		
PORTS: Front - Min. 4 USB port, Universal Audio Jack. Rear - Min. 2 USB port, Ethernet (RJ 45), 1 no. of VGA + 1 no. of HDMI / DVI Port / Display Port, Line in, Line out. Note: Total USB Ports 6 no's out of which Min 2 USB Port with 3.2 required.		
TOTAL DRIVE BAYS - Min. 2 Bays		
MONITOR - Min. 19.5" Wide TFT LED Colour Monitor (Make – Desktop OEM) with a compliant standard of TCO 8.0		
KEYBOARD - 104 Keys USB Heavy Duty Keyboard (Make - OEM)		
POINTING DEVICE - Two Buttons with scroll button USB Mouse with PAD (Make - OEM)		
SOFTWARE:		
OS CERTIFICATION - Windows 10		
SECURITY - Boot Setup Password & Discrete TPM 2.0		
MANAGEABILITY - Pre-Failure Notification for Memory & HDD		
COMPLIANCE (Latest) - Safety - Any one or more EPEAT Certified rating, Energy Star 7.0 compliant, Green guard, RoHS & Green Peace Rating of 4 or above		
OPERATING SYSTEM – Windows 11 Pro Licence, however the PC needs to be supplied (pre-installed) with Windows 10 Pro. The system should be provided with Windows 10 Pro CD, Drivers CD and Recovery CD. Note: In future if there is any requirement to upgrade the Desktop PC from Windows 10 to Windows 11, Vendor has to depute engineers to upgrade these Desktop PC at its respective locations without any additional cost to the Bank.		

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SPEC - TYPE B PC 256 SSD Without Monitor

Annexure 16D

Desktop Type B 256 SSD without Monitor	Complied	
	Y/ N	If no. remarks
HARDWARE: Make & Model of Desktop PC – _____		
FORM FACTOR - Tower		
CPU - Intel Core i3 - 10105 Series Processor / AMD Ryzen 5 Pro 4650G Series Processor		
FREQUENCY - Base frequency @ 3.7 GHz or higher and turbo frequency @ 4.20 Ghz or higher		
CORE - 4 cores or higher		
CHIPSET - Any compatible Intel / AMD Chipset meeting the specification below. Motherboard should be of OEM with OEM logo embossed on it (stickering not allowed)		
BIOS - Standard BIOS		
MEMORY - 8 GB DDR4 2666 / 2933 MHz or higher		
MEMORY EXPANDABILITY - Expandable to Min 32 GB		
MEMORY SLOT - Min. 2 Nos.		
HDD - 256 GB Solid State Drive (SSD) or higher		
NIC - Integrated 10/100/1000 Mb/s PCI Bus Fast Ethernet adapter with Wake on LAN		
GRAPHICS - Integrated Intel HD graphics with shared RAM or AMD Radeon Vega 11 HD graphics or equivalent or higher.		
AUDIO - High Definition Audio or equivalent with Internal / External Speaker		
POWER SUPPLY - Min 180W 100-240VAC 50-60Hz		
EXPANSION SLOTS - Min. One PCI Express x16, Min. One PCIe x1 / PCIe / PCI.		
PORTS: Front - Min. 4 USB port, Universal Audio Jack. Rear - Min. 2 USB port, Ethernet (RJ 45), 1 no. of VGA + 1 no. of HDMI / DVI Port / Display Port, Line in, Line out. Note: Total USB Ports 6 no's out of which Min 2 USB Port with 3.2 required.		
TOTAL DRIVE BAYS - Min. 2 Bays		
KEYBOARD - 104 Keys USB Heavy Duty Keyboard (Make - OEM)		
POINTING DEVICE - Two Buttons with scroll button USB Mouse with PAD (Make - OEM)		
SOFTWARE:		
OS CERTIFICATION - Windows 10		
SECURITY - Boot Setup Password & Discrete TPM 2.0		
MANAGEABILITY - Pre-Failure Notification for Memory & HDD		
COMPLIANCE (Latest) - Safety - Any one or more EPEAT Certified rating, Energy Star 7.0 compliant, Green guard, RoHS & Green Peace Rating of 4 or above		
OPERATING SYSTEM – Windows 11 Pro Licence, however the PC needs to be supplied (pre-installed) with Windows 10 Pro. The system should be provided with Windows 10 Pro CD, Drivers CD and Recovery CD. Note: In future if there is any requirement to upgrade the Desktop PC from Windows 10 to Windows 11, Vendor has to depute engineers to upgrade these Desktop PC at its respective locations without any additional cost to the Bank.		

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SPEC - Workstation PC

Annexure 16E

Workstation PC	Complied	
HARDWARE: Make & Model of Desktop PC – _____	Y/ N	If no. remarks
FORM FACTOR - Tower		
CPU - Intel Xeon W Series Processor with base frequency @ 3.30 GHz or higher and turbo frequency @ 4.60 Ghz or higher		
CORE - 6 cores or higher		
CHIPSET - Any compatible Intel Chipset meeting the specification below.		
BIOS - Standard BIOS		
MEMORY - 16 GB DDR4 3200 MHz or higher		
MEMORY EXPANDABILITY - Expandable to 64GB		
MEMORY SLOT - Min. 4 Nos.		
CD/DVD Drive - SATA Min. 8x DVD+/- RW		
HDD - Min. 512 GB SSD or higher		
NIC - Integrated 10/100/1000 Mb/s PCI Bus Fast Ethernet adapter with Wake on LAN		
VIDEO CARD - One PCI Express® x16 Gen 3 Graphics card up to 50W (Preferably Nvidia Quadro P620 with 4mdp or higher)		
AUDIO - High Definition Audio or equivalent with Internal / External Speaker (Make - OEM)		
POWER SUPPLY - Min. 365W 90% efficient PSU (80PLUS Platinum / Gold Certified) Energy Star Compliant		
EXPANSION SLOTS - Min. 1 PCIe x16 Gen3 Slot		
PORTS: Front - Min. 2 USB port, Universal Audio Jack. Rear - Min. 4 USB port, Min 1 Ethernet (RJ 45), 1 VGA Connector, One serial, One Parallel, 2 PS2 (optional), 2 Display Port, 3 SATA 6Gb/s, Universal Audio Jack (Optional). Note: All USB Ports to be provided with 3.0		
TOTAL DRIVE BAYS - Min. 2 Bays		
MONITOR - Min. 23.8" Wide TFT LED Colour Monitor (Make – Desktop OEM) with a compliant standard of TCO 8.0		
KEYBOARD - 104 Keys PS2 / USB Heavy Duty Keyboard (Make - OEM)		
POINTING DEVICE - Two Buttons with scroll button PS2 / USB Mouse with PAD (Make - OEM)		
SOFTWARE:		
OS CERTIFICATION - Windows 10		
SECURITY - Boot Setup Password & TPM		
MANAGEABILITY - Failure Notification for Memory & HDD		
COMPLIANCE (Latest) - Safety - Any one or more EPEAT Certified rating, Energy Star 7.0 compliant, Green guard, FCC, RoHS & Green Peace Rating of 4 or above		
OPERATING SYSTEM – Windows 11 Pro Licence, however the PC needs to be supplied (pre-installed) with Windows 10 Pro. The system should be provided with Windows 10 Pro CD, Drivers CD and Recovery CD. Note: In future if there is any requirement to upgrade the Desktop PC from Windows 10 to Windows 11, Vendor has to depute engineers to upgrade these Desktop PC at its respective locations without any additional cost to the Bank.		

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SPEC - All in one Desktop PC

Annexure 16F

All in One Desktop PC	Complied	
	Y/ N	If no. remarks
HARDWARE: Make & Model of Desktop PC – _____		
FORM FACTOR - All-in-One		
CPU - Intel 10th Generation Core i3 @ 2.60 GHz or higher with 4 cores or higher		
Motherboard - Motherboard should be of OEM and OEM logo should be embossed on motherboard		
CHIPSET - Intel Chipset		
BIOS - Standard BIOS		
MEMORY - 8 GB, DDR4, 2666 MHz or higher		
MEMORY EXPANDABILITY - Expandable to 64 GB		
MEMORY SLOT - Min. 2 Nos.		
HDD - 256GB SSD or higher		
NIC - Integrated 10/100/1000 Mb/s PCI Bus Fast Ethernet adapter with Wake on LAN		
GRAPHICS - Integrated Graphics		
PORTS: Min 1 x USB Type-C port ; Min 5 x USB Type-A port, Universal Audio Jack; Display Port. Note: Total USB Ports 6 no's out of which Min 3 USB Port with 3.0 required.		
Display - Min. 21.5" FHD (1920 x 1080) Touch, Narrow Bezel, 250 Nits, IPS, Wide Viewing Angle.		
Camera - 2.0 MP Full HD Webcam or above		
OPERATING SYSTEM – Windows 11 Pro Licence, however the PC needs to be supplied (pre-installed) with Windows 10 Pro. The system should be provided with Windows 10 Pro CD, Drivers CD and Recovery CD. Note: In future if there is any requirement to upgrade the Desktop PC from Windows 10 to Windows 11, Vendor has to depute engineers to upgrade these Desktop PC at its respective locations without any additional cost to the Bank.		

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Software - AV

ANNEXURE - 16G

Software Specifications		Complied	
Functional Specifications	Required	Y/ N	If no. remarks
Make & Model			
ANTIVIRUS	Latest desktop / client based version of Antivirus of Bitdefender / Kaspersky / Norton / F-Secure / AVG / AVAST / Mcafee / Trend Micro / Quick Heal compatible with Microsoft® Windows® 10, Microsoft® Windows® 8, Microsoft® Windows® 7 (Single Licence per PC for 3 Years with individual serial key and installation CD)		

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Monitor

ANNEXURE - 16H

Monitor Specifications - 21.5 inch category		Complied	
Functional Specifications	Required	Y/ N	If no. remarks
Make & Model			
Monitor	Min. 21.5" Wide TFT LED Colour Monitor (Make – Desktop OEM) with a compliant standard of TCO 8.0		

Monitor Specifications - 23.8 inch category		Complied	
Functional Specifications	Required	Y/ N	If no. remarks
Make & Model			
Monitor	Min. 23.8" Wide TFT LED Colour Monitor (Make – Desktop OEM) with a compliant standard of TCO 8.0		

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RAM

ANNEXURE - 16I

Desktop PC Memory Module (RAM) - 8 GB DDR4		Complied	
Functional Specifications	Required	Y/ N	If no. remarks
Make & Model			
Memory Module (RAM)	Min. 8 GB DDR4 2666 / 2933 MHz or higher		

Desktop PC Memory Module (RAM) - 16 GB DDR4		Complied	
Functional Specifications	Required	Y/ N	If no. remarks
Make & Model			
Memory Module (RAM)	Min. 16 GB DDR4 2666 / 2933 MHz or higher		

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ANNEXURE - 16J

Mono LaserJet Printer without Networking		Complied	
Make & Model:		Y/ N	If no. remarks
Functions	Printer		
Printing	Mono		
Print speed black (normal, A4)	Min. 28 ppm		
Print quality black (best)	Up to 600 x 600 dpi (1200 dpi effective)		
Paper handling			
Paper handling standard/input	250 Sheet input tray		
Duplex print options	Automatic		
Media sizes supported	A4,Legal Size		
Monthly Print Volume	250 - 2500 pages per month		
Connectivity			
Standard connectivity	Hi-Speed USB 2.0 port		
Compatible operating systems	Microsoft® Windows® 11, Microsoft® Windows® 10		
Compatible Software	Compatible with Finacle		
Cartridge			
Type	Toner cartridge provided with printer should not be a Demo Cartridge		

Mono LaserJet Printer with Networking		Complied	
Make & Model:		Y/ N	If no. remarks
Functions	Printer		
Printing	Mono		
Print speed black (normal, A4)	Min. 38 ppm		
First page out black (A4, ready)	As fast as less than 6.5 sec		
Monthly Print Volume	750 to 4000 pages per month		
Print technology	Laser		
Print quality black (best)	Up to 600 x 600 dpi (1200 dpi effective)		
Paper handling			
Paper handling standard/input	Two trays.one Multipurpose tray of 250-sheet input capacity and one manual feed paper tray of Min. 50 sheet input capacity		
Duplex print options	Automated		
Media sizes supported	A4,Legal Size		
Additional specifications			
Processor speed	Min. 800 Mhz or higher		
Standard memory(min)	Min. 256 MB or Higher		
Connectivity			
Standard connectivity	Hi-Speed USB 2.0 port; 10/100Base-T Ethernet network port		
Compatible operating systems	Microsoft® Windows® 11, Microsoft® Windows® 10		
Compatible Software	Compatible with Finacle		
Cartridge			
Type	Toner cartridge provided with printer should not be a Demo Cartridge		

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Cont. of ANNEXURE - 16J

Color LaserJet Printer		Complied	
Make & Model:		Y/ N	If no. remarks
Functions	Required		
Printing	Color		
Print speed b&w (normal, A4)	Min. 18 ppm		
Print speed color (normal, A4)	Min. 18 ppm		
First Print Speed (Black&White)	13 sec or less		
First Print Speed (Color)	13 sec or less		
Resolution	Up to 600 x 600 dpi (1200 dpi effective)		
Processor speed	Min. 220MHz		
Memory	Min. 256 MB		
Paper Capacity	Min 150 Sheets		
Monthly Print Volume	150 to 2500 pages per month		
Duplex print options	Auto Duplex		
Media sizes supported	A4, Legal Size		
Standard connectivity	Hi-Speed USB 2.0 port; 10/100Base-T Ethernet network port		
Compatible operating systems	Microsoft® Windows® 11, Microsoft® Windows® 10		
Cartridge			
Type	Toner cartridge provided with printer should not be a Demo Cartridge		

High Speed Mono LaserJet Printer with Networking		Complied	
Make & Model:		Y/ N	If no. remarks
Functions	Printer		
Printing	Mono		
Print speed black (normal, A4)	Min. 60 ppm		
First page out black (A4, ready)	As fast as less than 8 sec		
Monthly Print Volume	5,000 to 20,000 pages per month		
Duty Cycle	2,75,000 Pages		
Print technology	Laser		
Print quality black (best)	Up to 600 x 600 dpi (1200 dpi effective)		
Paper handling			
Paper handling standard/input	Two trays.one Multipurpose tray of 500-sheet input capacity and one manual feed paper tray of Min. 100 sheet input capacity		
Duplex print options	Automated		
Media sizes supported	A4, Legal Size		
Additional specifications			
Processor speed	Min. 500 Mhz		
Standard memory(min)	Min. 512 MB		
Connectivity			
Standard connectivity	Hi-Speed USB 2.0 port; 10/100Base-T Ethernet network port		
Compatible operating systems	Microsoft® Windows® 11, Microsoft® Windows® 10		
Compatible Software	Compatible with Finacle		
Cartridge			
Type	Toner cartridge provided with printer should not be a Demo Cartridge		

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ANNEXURE - 16K

Multi-Functional Printer - Black & White		Complied	
Make & Model:		Y/N	If no. remarks
Functions	Print, Copy, Scan, Fax		
Printing	Mono		
Print speed black (normal, A4)	Min. 38 ppm		
First page out black (A4, ready)	As fast as less than 8 sec		
Monthly Print Volume	500 to 4000 pages per month		
Print technology	Laser		
Print quality black (best)	Up to 600 x 600 dpi (1200 dpi effective)		
Paper handling			
Paper handling standard/input	Two trays. One Multipurpose tray of 250-sheet input capacity and one manual feed paper tray of Min. 100 sheet input capacity		
Duplex print options	Automated		
Media sizes supported	A4, Legal Size		
Additional specifications			
Processor speed	Min. 266 Mhz		
Standard memory(min)	Min. 256 MB		
Scanner Specifications			
Scanning	Color		
Scan type	Flatbed, ADF		
Optical scanning resolution	Up to 600 x 600 dpi (1200 dpi effective)		
Bit depth	24-bit		
Scan speed black (normal)/Color	Min. 20 ppm		
Auto document feeder capacity	Standard, 50 sheets		
Duplex Scanning	Automated		
File formats	PDF; TIF; BMP; JPG		
Copier Specifications			
Copy speed (black, best quality, A4)	Min 38 cpm		
Copy resolution (black text)	Up to 600 x 600 dpi		
Copier resize	25 to 400%		
Maximum copies	Up to 99 copies		
Duplex Copier	Automated		
Fax Specifications			
Fax speed	33.6 kbps		
A4 pages held in memory	Up to 100 pages		
Resolution (black and white)	Up to 300 x 300 dpi		
Maximum speed dialing numbers	Up to 100 numbers, Auto-redialing - Yes		
Connectivity			
Standard connectivity	Hi-Speed USB 2.0 port; 10/100Base-T Ethernet network port; RJ-11 Telephone port		
Compatible operating systems	Microsoft® Windows® 11, Microsoft® Windows® 10		
Compatible Software	Compatible with Finacle		
Interfaces	RS232/Centronics/USB 2.0		
Noise	less than 64 db		
Cartridge			
Type	Toner cartridge provided with printer should not be a Demo Cartridge		

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Cont. of ANNEXURE - 16K

Multi-Functional Printer - Color		Complied	
Make & Model:		Y/ N	If no. remarks
Functions	Print, Copy, Scan, Fax		
Printing	Mono		
Print speed black & color (normal, A4)	Min. 34 ppm		
First page out black & color (A4, ready)	As fast as less than 8 sec		
Monthly Duty Cycle	upto 45000 pages per month		
Print technology	Ink technology (Water Proof Color and Black & white ink)		
Print quality black (best)	Up to 600 x 600 dpi (1200 dpi effective)		
Paper handling			
Paper handling standard/input	Two trays. One Multipurpose tray of 250-sheet input capacity and one manual feed paper tray of Min. 80 sheet input capacity		
Duplex print options	Automated		
Media sizes supported	A4,Legal Size		
Scanner Specifications			
Scanning	Color		
Scan type	Flatbed, ADF		
Optical scanning resolution	Up to 600 x 600 dpi (1200 dpi effective)		
Bit depth	24-bit		
Scan speed black (normal)/Color	Min. 20 ppm		
Auto document feeder capacity	Standard, 50 sheets		
Duplex Scanning	Automated		
File formats	PDF; TIF; BMP; JPG		
Copier Specifications			
Copy speed (black, best quality, A4)	Min 22 cpm		
Copy resolution (black text)	Up to 600 x 600 dpi		
Copier resize	25 to 400%		
Maximum copies	Up to 99 copies		
Duplex Copier	Automated		
Fax Specifications			
Fax speed	33.6 kbps		
A4 pages held in memory	Up to 100 pages		
Resolution (black and white, best mode)	Up to 300 x 300 dpi		
Maximum speed dialing numbers	Up to 100 numbers, Auto-redialling - Yes		
Connectivity			
Standard connectivity	Hi-Speed USB 2.0 port; 10/100Base-T Ethernet network port; RJ-11 Telephone port, WiFi Direct		
Compatible operating systems	Microsoft® Windows® 11, Microsoft® Windows® 10		
Compatible Software	Compatible with Finacle		
Interfaces	RS232/Centronics/USB 2.0		
Noise	less than 64 db		
Cartridge			
Type	Toner cartridge provided with printer should not be a Demo Cartridge		

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DMP - 80, 136 & PBP

ANNEXURE - 16L

Dot Matrix Printer (136 Col.)				Complied	
Make & Model:					
Functions	Required			Y/ N	If no. remarks
Printer Type					
Number of Pins	24 / 9				
Printing Method	Serial Impact dot matrix				
Print Directions	Bi-directional with logic seeking in both text and graphics				
Print Speed	10 CPI	12 CPI	15 CPI		
High speed Draft	300	360			
Draft	250	300	375		
LQ	83	100	125		
Drivers support	Microsoft® Windows® 11, Microsoft® Windows® 10, DOS				
INPUT BUFFER	Min. 64 KB				
Interfaces	USB and (Parallel / RS-232 Serial)				
Noise	less than 64 db				
Compatible Software	Compatible with Finacle				
Cartridge					
Type	Printer should not be Demo Toner Cartridge				

Dot Matrix Printer (80 Col.)				Complied	
Make & Model:					
Functions	Required			Y/ N	If no. remarks
Printer Type					
Number of Pins	24				
Printing Method	Serial Impact dot matrix				
Print Directions	Bi-directional with logic seeking in both text and graphics				
Print Speed	10 CPI	12 CPI	15 CPI		
High speed Draft	300				
Draft	200	240	300		
LQ	66	80	100		
Drivers support	Microsoft® Windows® 11, Microsoft® Windows® 10, DOS				
INPUT BUFFER	64 Kb				
Interfaces	USB and (Parallel / RS-232 Serial)				
Noise	less than 64 db				
Compatible Software	Compatible with Finacle				
Cartridge					
Type	Printer should not be Demo Toner Cartridge				

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Pass Book Printer		Complied	
Make & Model:		Y/ N	If no. remarks
Functions	Required		
Printer Type	Multifunctional 24 Pin flatbed printer		
Number of Pins	24		
Printing Method	Bi-directional with logic seeking printing		
Print Speed	Min. DQ 400 CPS LQ-100CPS		
Drivers support	Microsoft® Windows® 11, Microsoft® Windows® 10, DOS		
INPUT BUFFER	8 Kb		
Interfaces	RS232/Centronics/USB 2.0 (full-speed)		
Noise	less than 64 db		
Compatible Software	Compatible with Finacle		

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ANNEXURE - 16M

High Speed Printer Specifications		Complied	
Make & Model:		Y/ N	If no. remarks
Specifications	Requirement	Y/ N	If no. remarks
Column	136		
Printing Method	Serial Impact dot matrix printer		
Printing Directions	Bi-directional with logic seeking in both text and graphics		
Noise	less than 64 db		
No. of Pins	24		
Printing speed	Draft Min. 450 cps (10 CPI)		
Input Buffer	Min. 64 KB		
Interface Standard	IEEE-1284 compliant Parallel, Serial Rs.232 / USB and Network Interface		
Drivers support	Microsoft® Windows® 11, Microsoft® Windows® 10, DOS		
Printing support	Multicopy printing support i.e. Min. 1+4		
Compatible Software	Compatible with Finacle		

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ANNEXURE - 16N

Scanner (Flatbed) Specifications		Complied	
Make & Model:			
Functions	Required	Y/ N	If no. remarks
Scanning	Color		
Scan type	Flatbed		
Optical scanning resolution	Up to 1200 dpi		
Type	Flatbed		
Bit depth	48-bit		
Scan speed / Scan Preview Speed	Max. 15 sec per page		
File formats	PDF; TIF; BMP; JPG;		
Interface	USB 2.0 Hi-Speed		
Drivers support	Microsoft® Windows® 11, Microsoft® Windows® 10		
Compatible Software	Compatible with Finacle		

Scanner (Automatic Document Feeder) Specifications		Complied	
Make & Model:			
Functions	Required	Y/ N	If no. remarks
Scanning	Color		
Scan type	Automatic Document Feeder		
File formats	PDF; BMP; JPG and others.		
Scan Volume	Min. 1000 pages / Daily		
PPM	Min 20 pages per Minute @ 200 dpi		
Flatbed	No		
ADF	Yes		
Duplex	Yes (One pass duplex scanning)		
Pass	Single		
ADF Size	50 pages or higher		
Scanning Element	CCD / CIS or equivalent		
Light Source	LED or equivalent		
Optical scanning resolution	Up to 600 x 600 dpi		
Output Resolution	75 dpi - 600 dpi (25 - 100 dpi increments)		
Interface – Hi-Speed	USB 2.0		
Drivers support	Microsoft® Windows® 11, Microsoft® Windows® 10		
Compatible Software	Compatible with Finacle		

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CTS Scanner

ANNEXURE - 160

CTS Scanner		Complied (Yes/No)	
Technical Specification		100 DPM UV Speed	150 DPM UV Speed
1	Speed		
2	UV compliant		
3	Number of Input feeder		
4	Input feeder Cheque holding capacity		
5	Out put pocket cheque holding capacity		
6	Number of Out put Pocket - minimum 1		
7	Number of Reject Pocket - minimum 1		
8	MICR read head, endorser, Sorter, in-built OCR, front & back grey scale, front and back black & white scale and UV image capture in a single pass		
9	Endorsement requirement		
10	Scanner should have a UV enabled camera to capture and detect UV Ink, logos and watermark .Scanning module should have facility to capture and detect Counterfeit, fraudulent and doctored instruments.		
11	The proposed CTS scanner should have the capabilities and features to scan and capture information from instruments adhering to CTS 2010 cheque format		
12	The Proposed should be integrated with Newgen CTS application		

Sno	Scanner	Model Name	Complied (Y/N)
1	100 DPM UV SPEED		
	1 Output pocket & 1 Reject Pocket	LIPI Vision X 100	
		Canon CR135i UV	
2	150 DPM UV		
	1 Output pocket & 1 Reject Pocket	Canon CR190i UV	

Note: Any other model other than the above mentioned may be quoted but the quoted model needs to be integrated with banks CTS application at vendors cost.