RFP- Empanelment of vendors for supply of Computer Hardware, Notebook PC, Anti-Virus Software and Peripherals for FY 2021-22. RFP No: BCC:IT:PROC:113:09 dt: 16th February 2021. Addendum 1 - dated 26th March 2021

SPEC - TYPE A PC

Desktop Type - A	Complied	
HARDWARE: Make & Model of Desktop PC – _____	**Y/N**	**If No. Remarks**
FORM FACTOR - Tower		
CPU - Intel Core i5 - 10000 Series Processor / AMD FX 8300 Series Processor		
FREQUENCY - Base frequency @ 2.9 GHz or higher and turbo frequency @ 4.30 Ghz or higher		
CORE - 6 cores or higher		
CHIPSET - Any compatible Intel/AMD Chipset meeting the specification below.		
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/DVD 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 / Extrenal Speaker (Make - OEM)		
POWER SUPPLY - Min. 180W 100-240VAC 50-60Hz		
EXPANSION SLOTS - Min. One PCI Express x16, Min. Two PCIe x1 / PCIe / PCI.		
PORTS: Front - Min. 2 USB port, Universal Audio Jack. Rear - Min. 4 USB port, ethernet (RJ 45), 1 no. of VGA + 1 no. of HDMI / DVI Port / Display Port, One serial, One Parallel, Line in, Line out. Note: Total USB Ports 6 no's out of which Min 2 USB Port with 3.0 required.		
TOTAL DRIVE BAYS - Min. 2 Bays		
MONITOR - Min. 18.5" 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 & TPM		
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 10 Pro License bundled with Window 10 Pro CD, Drivers CD and Recovery CD.		

SPEC - TYPE B PC (W Monitor)

ANNEXURE - 16B

Desktop Type B (with Monitor)	Complied	
HARDWARE : Make & Model of Desktop PC – _____	**Y/N**	**If No. Remarks**
FORM FACTOR - Tower		
CPU - Intel Core i3 - 10000 Series Processor / AMD Ryzen 5 Pro 3000 Series Processors		
FREQUENCY - Base frequency @ 3.6 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.		
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 - 1TB SATA III HDD with 7200 RPM 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 Vega 11 HD graphics or equivalent or higher.		
AUDIO - High Definition Audio or equivalent with Internal / Extrenal Speaker (Make - OEM)		
POWER SUPPLY - Min 180W 100-240VAC 50-60Hz		
EXPANSION SLOTS - Min. One PCI Express x16, Min. Two PCIe x1 / PCIe / PCI.		
PORTS: Front - Min. 2 USB port, Universal Audio Jack. Rear - Min. 4 USB port, ethernet (RJ 45), 1 no. of VGA + 1 no. of HDMI / DVI Port / Display Port, One serial, One Parallel, Line in, Line out. Note: Total USB Ports 6 no's out of which Min 2 USB Port with 3.0 required.		
TOTAL DRIVE BAYS - Min. 2 Bays		
MONITOR - Min. 18.5" 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 & TPM		
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 10 Pro License bundled with Window 10 Pro CD, Drivers CD and Recovery CD.		

SPEC - TYPE B PC (WO Monitor)

Desktop Type B (without Monitor)	Complied	
HARDWARE : Make & Model of Desktop PC – _____	**Y/N**	**If No. Remarks**
FORM FACTOR - Tower		
CPU - Intel Core i3 - 10000 Series Processor / AMD Ryzen 5 Pro 3000 Series Processors		
FREQUENCY - Base frequency @ 3.6 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.		
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 - 1TB SATA III HDD with 7200 RPM 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 Vega 11 HD graphics or equivalent or higher.		
AUDIO - High Definition Audio or equivalent with Internal / Extrenal Speaker (Make - OEM)		
POWER SUPPLY - Min 180W 100-240VAC 50-60Hz		
EXPANSION SLOTS - Min. One PCI Express x16, Min. Two PCIe x1 / PCIe / PCI.		
PORTS: Front - Min. 2 USB port, Universal Audio Jack. Rear - Min. 4 USB port, ethernet (RJ 45), 1 no. of VGA + 1 no. of HDMI / DVI Port / Display Port, One serial, One Parallel, Line in, Line out. Note: Total USB Ports 6 no's out of which Min 2 USB Port with 3.0 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 & TPM		
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 10 Pro License bundled with Window 10 Pro CD, Drivers CD and Recovery CD.		

RFP- Empanelment of vendors for supply of Computer Hardware, Notebook PC, Anti-Virus Software and Peripherals for FY 2021-22. RFP No: BCC:IT:PROC:113:09 dt: 16th February 2021. Addendum 1 - dated 26th March 2021

Workstation

Workstation PC	Complied	
	Y/N	**If No. Remarks**
HARDWARE: Make & Model of Desktop PC – _____		
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 2666 / 2933 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 / Extrenal 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 DisplayPort, 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 10 Pro License bundled with Window 10 Pro CD, Drivers CD and Recovery CD.		

Notebook PC Model 1

Notebook PC - Model 1	Complied	
HARDWARE : Make & Model of Notebook PC – _____	**Y/N**	**If No. Remarks**
CPU - Intel Core i5 1135G7 Processor with base frequency @ 2.4 GHz or higher and turbo frequency @ 4.20 Ghz or higher		
CORE - 4 cores or higher		
CHIPSET - Any compatible Intel Original Chipset meeting the specification below.		
BIOS - Standard BIOS		
MEMORY - 8 GB DDR4 2666 / 2933 MHz or higher		
MEMORY EXPANDABILITY - Expandable to Min 16 GB		
MEMORY SLOT - Min. 2 Nos DDR4 DIMM Slot		
HDD - 512 GB Solid State Drive (SSD) or equivalent or higher		
NIC - 10/100/1000 Mb/s PCI Ethernet Card.		
GRAPHICS – Intel HD Graphics		
MULTIMEDIA - Integrated Multimedia with Built-in Audio Speakers & Microphone		
INTERFACES - Min 3 USB Ports (2.0 / 3.0), RJ45, Universal Audio Jack, HDMI Port (HDMI to VGA Converter - OEM Make).		
CAMERA - Built-in Integrated 1.3 Mega Pixel Camera **/** 720p HD or higher		
CARD READER - Multiple Card Reader (I.e. SD / XD / PRO etc.,)		
KEYPAD - Standard Keyboard		
POINTING DEVICE - Built-in Touchpad with integrated Button & Scroll Key along with gestures support, two-finger scoll, zoom, pinch and pivot rotate or equivalent		
EXTERNAL DEVICE - USB Mouse with scroll button(OEM)		
WIRELESS - Intel® / Realtek Wireless Network Connection		
BLUETOOTH – Bluetooth 4.0 Ver. Enabled or higher		
COMPLIANCE (Latest) - Safety - Any one or more EPEAT Gold rating, Energy Star 7.0 compliant, Green guard, RoHS & Green Peace Rating of 4 or above		
DISPLAY - 14" diagonal LED-backlit HD anti-glare (1366 x 768 Resolution or Higher)		
BATTERY – Min 40 WHR Battery pack or higher and Min. 6 hours battery backup.		
AC ADAPTER - 3 pin AC Adapter (200V/50Hz)		
ACCESSORIES - Carrying case		
WEIGHT – The Weight of the Notebook PCs should be 1.7 Kg or less including Battery		
SECURITY - Boot Setup Password & TPM		
SOFTWARE :-		
ANTIVIRUS - Latest Antivirus of Bitdefender / Kaspersky / Norton / F-Secure / AVG / AVAST / Mcafee / Trend Micro / Quick Heal compatible with Microsoft® Windows® 10 (Single Licence per Notebook PC for 3 Years with AV serial key and installation CD)		
OPERATING SYSTEM - Windows 10 Pro License bundled with Window 10 Pro CD/USB Stick, Drivers CD/USB Stick and Recovery CD/USB Stick.		

Notebook PC Model 2

Notebook PC - Model 2	Complied	
	Y/N	**If No. Remarks**
HARDWARE :- Make & Model of Notebook PC – _____		
CPU - Intel Core i3 1115G4 Processor with base frequency @ 3.0 GHz or higher and turbo frequency @ 4.10 Ghz or higher		
CORE - 2 cores or higher		
CHIPSET - Any compatible Intel Original Chipset meeting the specification below.		
BIOS - Standard BIOS		
MEMORY - 8 GB DDR4 2666 / 2933 MHz or higher		
MEMORY EXPANDABILITY - Expandable to Min 16 GB		
MEMORY SLOT - Min. 2 Nos DDR4 DIMM Slot		
HDD - 512 GB Solid State Drive (SSD) or equivalent or higher		
NIC - 10/100/1000 Mb/s PCI Ethernet Card		
GRAPHICS – Intel HD Graphics		
MULTIMEDIA - Integrated Multimedia with Built-in Audio Speakers & Microphone		
INTERFACES - Min 3 USB Ports (2.0 / 3.0), RJ45, Universal Audio Jack, HDMI Port (HDMI to VGA Converter - OEM Make)		
CAMERA - Built-in Integrated 1.3 Mega Pixel Camera **/** 720p HD or higher		
CARD READER - Multiple Card Reader (I.e. SD / XD / PRO etc.,)		
KEYPAD - Standard Keyboard		
POINTING DEVICE - Built-in Touchpad with integrated Button & Scroll Key along with gestures support, two-finger scoll, zoom, pinch and pivot rotate		
EXTERNAL DEVICE - USB Mouse with scroll button(OEM)		
WIRELESS - Intel® / Realtek Wireless Network Connection		
BLUETOOTH – Bluetooth 4.0 Ver. Enabled or higher		
COMPLIANCE (Latest) - Safety - Any one or more EPEAT Gold rating, Energy Star 7.0 compliant, Green guard, RoHS & Green Peace Rating of 4 or above		
DISPLAY - 14" diagonal LED-backlit HD anti-glare (1366 x 768 Resolution or Higher)		
BATTERY – Min 40 WHR Battery pack or higher and Min. 4 hours battery backup.		
AC ADAPTER - 3 pin AC Adapter (200V/50Hz)		
ACCESSORIES - Carrying case		
WEIGHT – The Weight of the Notebook PCs should be 1.7 Kg or less including Battery.		
SECURITY - Boot Setup Password & TPM		
SOFTWARE :-		
ANTIVIRUS - Latest Antivirus of Bitdefender / Kaspersky / Norton / F-Secure / AVG / AVAST / Mcafee / Trend Micro / Quick Heal compatible with Microsoft® Windows® 10 (Single Licence per Notebook PC for 3 Years with AV serial key and installation CD)		
OPERATING SYSTEM - Windows 10 Pro License bundled with Window 10 Pro CD/USB Stick, Drivers CD/USB Stick and Recovery CD/USB Stick.		

Software - AV

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)		

Monitor

Monitor Specifications - 18.5 inch category		Complied	
Functional Specifications	**Required**	**Y/ N**	**If no. remarks**
Make & Model			
Monitor	Min. 18.5" 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		

RAM ADAPTOR HEADPHONE

Desktop PC Memory Module (RAM) - 4 GB DDR4		Complied	
Functional Specifications	Required	Y/ N	If no. remarks
Make & Model			
Memory Module (RAM)	Min. 4 GB DDR4 2666 / 2933 MHz or higher		

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		

HDMI to VGA Adaptor for Desktop PC		Complied	
Functional Specifications	Required	Y/ N	If no. remarks
Make & Model			
Converter	HDMI Male to VGA Female Converter for Desktop PC		

Display to VGA Adaptor for Desktop PC		Complied	
Functional Specifications	Required	Y/ N	If no. remarks
Make & Model			
Converter	Display Male to VGA Female Converter for Desktop PC		

Headphone with Mic for Desktop PC		Complied	
Functional Specifications	Required	Y/ N	If no. remarks
Make & Model			
Headphone with Mic	Headphone with Mic - Stereo Headset (OEM Make / Logitech with 1 Year Warranty) for Desktop PC		

Headphone with Mic for Notebook PC		Complied	
Functional Specifications	Required	Y/ N	If no. remarks
Make & Model			
Headphone with Mic	Headphone with Mic - Stereo Headset (OEM Make / Logitech with 1 Year Warranty) for Notebook PC		

Printer-Single,NW,Color,Deskjt

ANNEXURE - 16J

Mono Laserjet Printer without Networking		Complied	
Make & Model:			
Functions	**Printer**	**Y/ N**	**If no. remarks**
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® 10, Microsoft® Windows® 8, Microsoft® Windows® 7		
Compatible Software	Compatible with Finacle		
Catridge			
Type	Toner catridge provided with printer should not be a Demo Catridge		

Mono Laserjet Printer with Networking		Complied	
Make & Model:			
Functions	**Printer**	**Y/ N**	**If no. remarks**
Printing	**Mono**		
Print speed black (normal, A4)	Min. 38 ppm		
First page out black (A4, ready)	As fast as less than 6 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. 266 Mhz		
Standard memory(min)	Min. 128 MB		
Connectivity			
Standard connectivity	Hi-Speed USB 2.0 port; 10/100Base-T Ethernet network port		
Compatible operating systems	Microsoft® Windows® 10, Microsoft® Windows® 8, Microsoft® Windows® 7		
Compatible Software	Compatible with Finacle		
Catridge			
Type	Toner catridge provided with printer should not be a Demo Catridge		

RFP- Empanelment of vendors for supply of Computer Hardware, Notebook PC, Anti-Virus Software and Peripherals for FY 2021-22. RFP No: BCC:IT:PROC:113:09 dt: 16th February 2021. Addendum 1 - dated 26th March 2021

Printer-Single,NW,Color,Deskjt

Color Laserjet Printer		Complied	
Make & Model:			
Functions	**Required**	**Y/ N**	**If no. remarks**
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® 10, Microsoft® Windows® 8, Microsoft® Windows® 7,		
Catridge			
Type	Toner catridge provided with printer should not be a Demo Catridge		

Deskjet / Inkjet Printer		Complied	
Make & Model:			
Functions	**Printer**	**Y/ N**	**If no. remarks**
Print Resolution	600dpi x 600dpi or higher		
Print Speed - Draft	Approx. 27 ppm Black / 15 ppm Color		
ISO 24734, A4	Approx. 6 ppm Black / 3 ppm Color		
Bundled Page Yield	Min. 1000 Black and 700 Color		
Connectivity	USB 2.0 Hi-Speed		
Operating System Compatibility	Microsoft® Windows® 10, Microsoft® Windows® 8, Microsoft® Windows® 7,		

Printer-Single,NW,Color,Deskjt

High Speed Mono Laserjet Printer with Networking		Complied	
Make & Model:			
Functions	**Printer**	**Y/ N**	**If no. remarks**
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® 10, Microsoft® Windows® 8, Microsoft® Windows® 7		
Compatible Software	Compatible with Finacle		
Catridge			
Type	Toner catridge provided with printer should not be a Demo Catridge		

MFP

ANNEXURE - 16K

Multi Functional Printer - Black & White		Complied	
Make & Model:			
Functions	**Print, Copy, Scan, Fax**	**Y/ N**	**If no. remarks**
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			
Scaning	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, best mode)	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® 10, Microsoft® Windows® 8, Microsoft® Windows® 7		
Compatible Software	Compatible with Finacle		
Interfaces	RS232/Centronics/USB 2.0		
Noise	less than 64 db		
Catridge			
Type	Toner catridge provided with printer should not be a Demo Catridge		

MFP

Cont. of ANNEXURE - 16K

Multi Functional Printer - Color		Complied	
Make & Model:			
Functions	**Print, Copy, Scan, Fax**	**Y/ N**	**If no. remarks**
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			
Scaning	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-redialing	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® 10, Microsoft® Windows® 8, Microsoft® Windows® 7		
Compatible Software	Compatible with Finacle		
Interfaces	RS232/Centronics/USB 2.0		
Noise	less than 64 db		
Catridge			
Type	Toner catridge provided with printer should not be a Demo Catridge		

DMP - 80, 136 & PBP

Dot Matrix Printer (136 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	300 360		
Draft	250 300 375		
LQ	83 100 125		
Drivers support	Microsoft® Windows® 10, Microsoft® Windows® 8, Microsoft® Windows® 7, DOS		
INPUT BUFFER	Min. 64 KB		
Interfaces	USB and (Parallel / RS-232 Serial)		
Noise	less than 64 db		
Compatible Software	Compatible with Finacle		
Catridge			
Type	Printer should not be Demo Toner Catridge		

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® 10, Microsoft® Windows® 8, Microsoft® Windows® 7, DOS		
INPUT BUFFER	64 Kb		
Interfaces	USB and (Parallel / RS-232 Serial)		
Noise	less than 64 db		
Compatible Software	Compatible with Finacle		
Catridge			
Type	Printer should not be Demo Toner Catridge		

Pass Book Printer		Complied	
Make & Model:			
Functions	**Required**	**Y/ N**	**If no. remarks**
Printer Type	Multifunctional 24 Pin flatbed printer		
Number of Pins	24		
Printing Method	Bi-directional with logic seeking printing		
Print Speed	Min. DQ 300 CPS LQ-100CPS		
Drivers support	Microsoft® Windows® 10, Microsoft® Windows® 8, Microsoft® Windows® 7, DOS		
INPUT BUFFER	8 Kb		
Interfaces	RS232/Centronics/USB 2.0 (full-speed)		
Noise	less than 64 db		
Compatible Software	Compatible with Finacle		

HSP & Line Printer

ANNEXURE - 16M

High Speed Printer Specifications		Complied	
Make & Model:			
Specifications	**Requiremnent**	**Y/ N**	**If no. remarks**
Column	**136**		
Printing Method	Serial Impact dot matrix printer		
Pinting 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 Parellel, Serial Rs.232 / USB (Provision for Network Interface Card installation)		
Drivers support	Microsoft® Windows® 10, Microsoft® Windows® 8, Microsoft® Windows® 7,DOS		
Printing support	Multicopy printing support i.e. Min. 1+4		
Compatible Software	Compatible with Finacle		

Line Printer Specifications		Complied	
Make & Model:			
Specifications	**Requiremnent**	**Y/ N**	**If no. remarks**
Printing Technology	Line Impact Dot Matrix 136 Column		
Printing Speed	500 Lines Per Minute or Higher		
Column	136 Column		
Interface Standard	IEEE-1284 compliant Parellel, Serial Rs.232 & Network Interface Card		
Fonts	Draft, Data Processing, Gothic, Courier, OCR-A!, OCR-B!		
Drivers support	Microsoft® Windows® 10, Microsoft® Windows® 8, Microsoft® Windows® 7, DOS		
Printing support	Multicopy printing support i.e. Min. 6		
Compatible Software	Compatible with Finacle		

Scanner-Flatbed & ADF

Scanner (Flatbed) Specifications		Complied	
Make & Model:			
Functions	**Required**	**Y/ N**	**If no. remarks**
Scaning	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® 10, Microsoft® Windows® 8, Microsoft® Windows® 7,		
Compatible Software	Compatible with Finacle		

Scanner (Automatic Document Feeder) Specifications		Complied	
Make & Model:			
Functions	**Required**	**Y/ N**	**If no. remarks**
Scaning	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® 10, Microsoft® Windows® 8, Microsoft® Windows® 7, Microsoft® Windows® Vista, Microsoft® Windows® XP		
Compatible Software	Compatible with Finacle		

RFP- Empanelment of vendors for supply of Computer Hardware, Notebook PC, Anti-Virus Software and Peripherals for FY 2021-22. RFP No: BCC:IT:PROC:113:09 dt: 16th February 2021. Addendum 1 - dated 26th March 2021

CTS Scanner

	CTS Scanner	Complied (Yes/No)	
	Technical Specification	**50 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 capcacity		
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 requriement		
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	**50 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 intergrated with banks CTS application at vendors cost.