

RFP- Empanelment of vendors for supply of Computer Hardware, Notebook PC, Anti-Virus Software and Peripherals for FY 2018-19. Addendum 1 dated 18th January 2018

SPEC - TYPE A PC (16 GB RAM)

ANNEXURE - 15A

Desktop Type - A (with 16 GB RAM)	Complied	
	Y/N	If No. Remarks
HARDWARE: Make & Model of Desktop PC – _____		
FORM FACTOR - Tower		
CPU - Intel Core i5 - 7400 Processor @ 3.00 GHz or higher with 14 nanometer & Turbo boost technology OR AMD FX 8370E Processor @ 3.30 Ghz or higher with 32 nanometer technology & Turbo boost technology		
CACHE - Intel: Minimum 6 MB L3 Cache OR AMD: Min. 8MB L2 Cache or higher		
CPU UPGRADABILITY - Uniprocessor		
CHIPSET - Any compatible Intel/AMD Chipset meeting the specification below.		
BIOS - Standard BIOS		
MEMORY - 16 GB (16 GB x 1) DDR4 2133/2400 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 - 500 GB SATA III HDD with 7200 RPM or equivalent or higher (Make - OEM)		
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		
AUDIO - High Definition Audio or equivalent with Internal / External 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, Microphone(stereo), Headphone(stereo 3.5mm). Rear - Min. 4 USB port, ethernet (RJ 45), Monitor (1 VGA + 1 HDMI / DVI Port / Display Port), One serial, One Parallel. Note: Total USB Ports 6 no's out of which Min 2 USB Port with 3.0 required.		
REAR AUDIO PORTS - Line in (stereo 3.5mm),Line out(stereo 3.5mm) Microphone -in (stereo 3.5mm)		
TOTAL DRIVE BAYS - Min. 2 Bays		
CONSOLE - Min. 18.5" Wide TFT LED Colour Monitor (Make – Desktop OEM) with a compliant standard of TCO 6.0		
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 Gold rating, Energy Star 5.0 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.		

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SPEC - TYPE A PC (4 GB RAM)

ANNEXURE - 15B

Desktop Type - A (with 4 GB RAM)	Complied	
	Y/N	If No. Remarks
HARDWARE: Make & Model of Desktop PC – _____		
FORM FACTOR - Tower		
CPU - Intel Core i5 - 7400 Processor @ 3.00 GHz or higher with 14 nanometer & Turbo boost technology OR AMD FX 8370E Processor @ 3.30 Ghz or higher with 32 nanometer technology & Turbo boost technology		
CACHE - Intel: Minimum 6 MB L3 Cache OR AMD: Min. 8MB L2 Cache or higher		
CPU UPGRADABILITY - Uniprocessor		
CHIPSET - Any compatible Intel/AMD Chipset meeting the specification below.		
BIOS - Standard BIOS		
MEMORY - 4 GB DDR4 2133/2400 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 - 500 GB SATA III HDD with 7200 RPM or equivalent or higher (Make - OEM)		
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		
AUDIO - High Definition Audio or equivalent with Internal / External 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, Microphone(stereo), Headphone(stereo 3.5mm). Rear - Min. 4 USB port, ethernet (RJ 45), Monitor (1 VGA + 1 HDMI / DVI Port / Display Port), One serial, One Parallel. Note: Total USB Ports 6 no's out of which Min 2 USB Port with 3.0 required.		
REAR AUDIO PORTS - Line in (stereo 3.5mm),Line out(stereo 3.5mm) Microphone -in (stereo 3.5mm)		
TOTAL DRIVE BAYS - Min. 2 Bays		
CONSOLE - Min. 18.5" Wide TFT LED Colour Monitor (Make – Desktop OEM) with a compliant standard of TCO 6.0		
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 Gold rating, Energy Star 5.0 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.		

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SPEC - TYPE C PC (W Monitor)

ANNEXURE - 15C

Desktop Type C (with Monitor)	Complied	
	Y/N	If No. Remarks
HARDWARE : Make & Model of Desktop PC – _____		
FORM FACTOR - Tower		
CPU - Intel Core i3 - 7100 Processor @ 3.90 GHz or higher with 14 nanometer technology OR AMD A10 9700 processor @ 3.50 Ghz or higher with 28 nanometer technology.		
CACHE - Intel: Minimum 3 MB L3 Cache OR AMD: Min. 2MB L2 Cache or higher		
CPU UPGRADABILITY - Uniprocessor		
CHIPSET - Any compatible Intel/AMD Chipset meeting the specification below.		
BIOS - Standard BIOS		
MEMORY - 4 GB DDR4 2133/2400 MHz or higher		
MEMORY EXPANDABILITY - Expandable to Min 8 GB		
MEMORY SLOT - Min. 2 Nos.		
CD Drive - SATA Min. 8x DVD+/- RW with dual layer write capability		
HDD - 500 GB SATA III HDD with 7200 RPM or equivalent or higher (Make - OEM)		
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		
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, Microphone(stereo), Headphone(stereo 3.5mm). Rear - Min. 4 USB port, ethernet (RJ 45), Monitor (1 VGA + 1 HDMI / DVI Port / Display Port), One serial, One Parallel. Note: Total USB Ports 6 no's out of which Min 2 USB Port with 3.0 required.		
REAR AUDIO PORTS - Line in (stereo 3.5mm),Line out(stereo 3.5mm) Microphone -in (stereo 3.5mm)		
TOTAL DRIVE BAYS - Min. 2 Bays		
CONSOLE - Min. 18.5" Wide TFT LED Colour Monitor (Make – Desktop OEM) with a compliant standard of TCO 6.0		
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 Gold rating, Energy Star 5.0 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.		

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SPEC - TYPE C PC (WO Monitor)

ANNEXURE - 15D

Desktop Type C (without Monitor)	Complied	
	Y/N	If No. Remarks
HARDWARE : Make & Model of Desktop PC – _____		
FORM FACTOR - Tower		
CPU - Intel Core i3 - 7100 Processor @ 3.90 GHz or higher with 14 nanometer technology OR AMD A10 9700 processor @ 3.50 Ghz or higher with 28 nanometer technology.		
CACHE - Intel: Minimum 3 MB L3 Cache OR AMD: Min. 2MB L2 Cache or higher		
CPU UPGRADABILITY - Uniprocessor		
CHIPSET - Any compatible Intel/AMD Chipset meeting the specification below.		
BIOS - Standard BIOS		
MEMORY - 4 GB DDR4 2133/2400 MHz or higher		
MEMORY EXPANDABILITY - Expandable to Min 8 GB		
MEMORY SLOT - Min. 2 Nos.		
CD Drive - SATA Min. 8x DVD+/- RW with dual layer write capability		
HDD - 500 GB SATA III HDD with 7200 RPM or equivalent or higher (Make - OEM)		
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		
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, Microphone(stereo), Headphone(stereo 3.5mm). Rear - Min. 4 USB port, ethernet (RJ 45), Monitor (1 VGA + 1 HDMI / DVI Port / Display Port), One serial, One Parallel. Note: Total USB Ports 6 no's out of which Min 2 USB Port with 3.0 required.		
REAR AUDIO PORTS - Line in (stereo 3.5mm),Line out(stereo 3.5mm) Microphone -in (stereo 3.5mm)		
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 Gold rating, Energy Star 5.0 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.		

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Workstation

ANNEXURE - 15E

Workstation PC	Complied	
	Y/N	If No. Remarks
HARDWARE: Make & Model of Desktop PC – _____		
FORM FACTOR - Tower		
CPU - Intel® Xeon® Processor E3-1220 v6 @ 3.00 GHZ or higher		
CHASIS - Internal 3.5" bay – supports 3.5" drives in case of HDD and 2.5" drives in case of SDD		
CHIPSET - Any compatible Intel Chipset meeting the specification below.		
BIOS - Standard BIOS		
MEMORY - 16 GB DDR4 2133/2400 MHz or higher		
MEMORY EXPANDABILITY - Expandable to 64GB		
MEMORY SLOT - Min. 4 Nos.		
CD/DVD Drive - SATA Min. 8x DVD+/- RW with dual layer write capability		
HDD - 2.5-inch SATA SSD 256 GB or higher (Make - OEM)		
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 P600 or above)		
AUDIO - High Definition Audio or equivalent with Internal / Extrenal Speaker (Make - OEM)		
POWER SUPPLY - Min. 365W 90% efficient PSU (80PLUS Platinum Certified) Energy Star Compliant		
EXPANSION SLOTS - Min. 1 PCIe x16 Gen3 Slot		
PORTS: Front - Min. 2 USB port, Microphone(stereo), Headphone(stereo 3.5mm). 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 Note: All USB Ports to be provided with 3.0		
REAR AUDIO PORTS - Line in (stereo 3.5mm),Line out(stereo 3.5mm) Microphone -in (stereo 3.5mm)		
TOTAL DRIVE BAYS - Min. 2 Bays		
CONSOLE - Min. 23.8" Wide TFT LED Colour Monitor (Make – Desktop OEM) with a compliant standard of TCO 6.0		
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 Gold rating, Energy Star 5.0 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.		

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Notebook PC Model 1

ANNEXURE - 15F

Notebook PC - Model 1	Complied	
	Y/N	If No. Remarks
HARDWARE : Make & Model of Notebook PC – _____		
CPU – Intel Core i5 - 7200U Processor @ 2.50 GHz or higher with min 3 MB L3 Cache.		
CHIPSET - Any compatible Intel Original Chipset meeting the specification below.		
BIOS - Standard BIOS		
MEMORY - 8GB DDR4 2133 / 2400 Mhz or Higher		
MEMORY EXPANDABILITY - Expandable to Min 16 GB		
MEMORY SLOT - Min. 2 Nos DDR4 DIMM Slot		
HDD - 500GB 5.4k RPM 2.5" SATA HDD (Make - OEM) or Higher		
DVD - DVD +/-RW Super Multi Drive with double layer (External / Internal)		
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, Audio Out/In, Mic In, VGA Port & HDMI Port.		
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® Wireless Network Connection		
BLUETOOTH – Bluetooth 4.0 Ver. Enabled or higher		
COMPLIANCE (Latest) - Safety - Any one or more EPEAT Gold rating, Energy Star 5.0 compliant, Green guard, RoHS & Green Peace Rating of 4 or above		
DISPLAY - Min 15.4" diagonal LED-backlit HD anti-glare (1366 x 768 Resolution or Higher)		
BATTERY – Min 4-cell Li-ion Battery pack or higher.		
AC ADAPTER - 3 pin AC Adapter (200V/50Hz)		
ACCESSORIES - Carrying case		
WEIGHT – The Weight of the Notebook PCs should be 2.4 Kg or less including Battery		
SOFTWARE :-		
ANTIVIRUS - Latest Antivirus of Bitdefender / Kaspersky / Norton / F-Secure / AVG / AVAST / McAfee/ Trend Micro compatible with Microsoft® Windows® 8, Microsoft® Windows® 7 (Single Licence per Notebook PC for 3 Years with AV serial key and installation CD)		
OPERATING SYSTEM - Preloaded Windows 10 Pro bundled with Window 10 Pro CD, Drivers CD, Recovery CD		

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Notebook PC Model 2

ANNEXURE - 15G

Notebook PC - Model 2	Complied	
	Y/N	If No. Remarks
HARDWARE :- Make & Model of Notebook PC – _____		
CPU – Intel Core i3 - 7100U Processor @ 2.40 GHz or higher with min 3 MB L3 Cache		
CHIPSET - Any compatible Intel Original Chipset meeting the specification below.		
BIOS - Standard BIOS		
MEMORY - 4 GB DDR4 2133 / 2400 Mhz or Higher		
MEMORY EXPANDABILITY - Expandable to Min 8 GB		
MEMORY SLOT - Min. 2 Nos DDR4 DIMM Slot		
HDD - 500GB 5.4k RPM 2.5" SATA HDD (Make - OEM) or Higher		
DVD - DVD +/-RW Super Multi Drive with double layer (External / Internal)		
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, Audio Out/In, Mic In, VGA Port & HDMI Port.		
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® Wireless Network Connection		
BLUETOOTH – Bluetooth 4.0 Ver. Enabled or higher		
COMPLIANCE (Latest) - Safety - Any one or more EPEAT Gold rating, Energy Star 5.0 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 4-cell Li-ion Battery pack or higher.		
AC ADAPTER - 3 pin AC Adapter (200V/50Hz)		
ACCESSORIES - Carrying case		
WEIGHT – The Weight of the Notebook PCs should be 2.4 Kg or less including Battery.		
SOFTWARE :-		
ANTIVIRUS - Latest Antivirus of Bitdefender / Kaspersky / Norton / F-Secure / AVG / AVAST / McAfee/ Trend Micro compatible with Microsoft® Windows® 8, Microsoft® Windows® 7 (Single Licence per Notebook PC for 3 Years with AV serial key and installation CD)		
OPERATING SYSTEM - Preloaded Windows 10 Pro bundled with Window 10 Pro CD, Drivers CD, Recovery CD		

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Software - AV

ANNEXURE - 15H

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 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 - 15I

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 6.0		

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 6.0		

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RAM

ANNEXURE - 15J

Desktop PC Memory Module (RAM) - 4 GB		Complied	
Functional Specifications	Required	Y/ N	If no. remarks
Make & Model			
Memory Module (RAM)	Min. 4 GB DDR4 2133 / 2400 MHz or higher		

Desktop PC Memory Module (RAM) - 8 GB		Complied	
Functional Specifications	Required	Y/ N	If no. remarks
Make & Model			
Memory Module (RAM)	Min. 8 GB DDR4 2133 / 2400 MHz or higher		

Desktop PC Memory Module (RAM) - 16 GB		Complied	
Functional Specifications	Required	Y/ N	If no. remarks
Make & Model			
Memory Module (RAM)	Min. 16 GB DDR4 2133 / 2400 MHz or higher		

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Printer-Single,NW,Color,Deskjt

ANNEXURE - 15K

Mono Laserjet Printer without Networking		Complied	
Make & Model:			
Functions	Printer	Y/ N	If no. remarks
Printing	Mono		
Print speed black (normal, A4)	Min. 14 ppm		
Print quality black (best)	Up to 600 x 600 dpi (1200 dpi effective)		
Paper handling			
Paper handling standard/input	150 Sheet input tray		
Duplex print options	Automatic		
Media sizes supported	A4,Legal Size		
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 30 ppm		
First page out black (A4, ready)	As fast as less than 10 sec		
Duty cycle (monthly, A4)	Up to 8000 pages		
Recommended monthly page volume	250 to 2000		
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 200-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. 64 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		

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Printer-Single,NW,Color,Deskjt

Cont. of ANNEXURE - 15K

Color Laserjet Printer		Complied	
Make & Model:		Y/ N	If no. remarks
Functions	Required	Y/ N	If no. remarks
Printing	Color		
Print speed black&white (normal, A4)	Min. 18 ppm		
Print speed color (normal, A4)	Min. 18 ppm		
First Print Speed (Black&White)	17 sec or less		
First Print Speed (Color)	17 sec or less		
Resolution	Up to 600 x 600 dpi		
Processor speed	Min. 220MHz		
Memory	64MB		
Paper Capacity	Min 150 Sheets		
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,		
Cartridge			
Type	Toner cartridge provided with printer should not be a Demo Cartridge		

Deskjet / Inkjet Printer		Complied	
Make & Model:		Y/ N	If no. remarks
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,		

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MFP

ANNEXURE - 15L

Multi Functional Printer		Complied	
Make & Model:		Y/ N	If no. remarks
Functions	Print, Copy, Scan, Fax		
Printing	Mono		
Print speed black (normal, A4)	Min 25 ppm		
First page out black (A4, ready)	As fast as less than 10 sec		
Duty cycle (monthly, A4)	Up to 20000 pages		
Recommended monthly page volume	250 to 2000		
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 200-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. 64 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. 6 ppm		
Auto document feeder capacity	Standard, 35 sheets		
Duplex Scanning	Automated		
File formats	PDF; TIF; BMP; JPG		
Copier Specifications			
Copy speed (black, best quality, A4)	Min 15 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 50 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 cartridge provided with printer should not be a Demo Cartridge		

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MFP with wifi

ANNEXURE - 15M

Multi Functional Printer (with Wifi)		Complied	
Make & Model:		Y/ N	If no. remarks
Functions	Print, Copy, Scan, Fax (with Wifi)		
Printing	Mono		
Print speed black (normal, A4)	upto 18 ppm		
First page out black (A4, ready)	As fast as less than 10 sec		
Duty cycle (monthly, A4)	Up to 8000 pages		
Recommended monthly page volume	150 to 1500		
Print technology	Laser		
Print quality black (best)	Up to 600 x 600 dpi		
Paper handling			
Paper handling standard/input	Min. One 150-sheet input tray or higher.		
Duplex print options	Manual (driver support provided)		
Media sizes supported	A4,Legal Size		
Additional specifications			
Processor speed	Min. 266 Mhz		
Standard memory(min)	Min. 64 MB		
Scanner Specifications			
Scanning	Color		
Scan type	Flatbed, ADF		
Optical scanning resolution	Up to 1200 x 1200 dpi		
Bit depth	24-bit		
Scan speed black (normal)/Color	Min. 7 ppm(B&W) / Min. 3 ppm color		
Auto document feeder capacity	Standard, 35 sheets		
Duplex Scanning	Automated / Manual Duplex		
File formats	PDF; TIF; BMP; JPG		
Copier Specifications			
Copy speed (black, best quality, A4)	Min 15 cpm		
Copy resolution (black text)	Up to 600 x 400 dpi		
Copier resize	25 to 400%		
Maximum copies	Up to 99 copies		
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, 1 WiFi 802.11b/g/n, built-in Wi-fi router (Print directly using printers Wifi)		
Compatible operating systems	Microsoft® Windows® 10, Microsoft® Windows® 8, Microsoft® Windows® 7		
Interfaces	RS232/Centronics/USB 2.0		
Noise	less than 64 db		
Catridge			
Type	Toner cartridge provided with printer should not be a Demo Cartridge		

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DMP - 80, 136 & PBP

ANNEXURE - 15N

Dot Matrix Printer (136 Col.)			Complied	
Make & Model:			Y/ N	If no. remarks
Functions	Required			
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:			Y/ N	If no. remarks
Functions	Required			
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:			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	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			

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HSP & Line Printer

ANNEXURE - 150

High Speed Printer Specifications		Complied	
Make & Model:			
Specifications	Requirementment	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 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	Requirementment	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		

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Scanner-Flatbed & ADF

ANNEXURE - 15P

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® 10, Microsoft® Windows® 8, Microsoft® Windows® 7,		
Compatible Software	Compatible with Finacle		

Scanner (Flatbed with Automatic Document Feeder)		Complied	
Make & Model:			
Functions	Required	Y/ N	If no. remarks
Scanning	Color		
Scan type	Flatbed, ADF		
File formats	PDF; TIF; BMP; JPG;		
Scan Volume	Min. 3000 pages / Daily		
PPM	Monochrome: 40 Pages/min - Colour: 40 Pages/min measured with Size: A4 , Resolution: 200 / 300 dpi, Monochrome: 80 image/min - Colour: 80 image/min measured with Size: A4 , Resolution: 200 / 300 dpi		
Flatbed	Yes		
ADF	Yes		
Duplex	Yes		
Pass	Single		
ADF Size	Min. 80 pages		
Scanning Element	CCD or equivalent		
Light Source	White 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	USB2.0		
Drivers support	Microsoft® Windows® 10, Microsoft® Windows® 8, Microsoft® Windows® 7,		
Compatible Software	Compatible with Finacle		

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Scanner-Flatbed & ADF

Cont. of ANNEXURE - 15P

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

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CTS Scanner

ANNEXURE - 15Q

CTS Scanner		Complied (Yes/No)		
Technical Specification		50 DPM UV Speed	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 requierement			
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	
		Epson 100	
2	100 DPM UV Speed		
	1 Output pocket & 1 Reject Pocket	Canon CR135i UV	
		Epson 100	
3	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.