RFP for Rate Contract for Supply, Installation Maintenance of Aadhaar Enrolment Kits at Bank Branches / Offices, RFP Reference: BCC:IT:PROC:111:29 Dated 5th July 2019, Addendum 1 - dated 22nd July 2019

Laptop

Laptop	Complied	
	Y/N	**If No. Remarks**
HARDWARE :- Make & Model of Laptop – _____		
CPU – Min. 1.9 Ghz Quad core base frequency or higher		
CHIPSET - *Integrated with CPU or equivalent*		
BIOS - *Standard BIOS*		
MEMORY - Min. 8 GB *DDR4 or Higher*		
MEMORY EXPANDABILITY - *Expandable to Min 16 Gb with one slot free*		
MEMORY SLOT - Min. 2 *Nos DDR4 DIMM Slot*		
HDD - Minimum 500GB (or Higher) @7200 rpm Hard Disk		
GRAPHICS – Integrated Graphics		
MULTIMEDIA - Integrated Multimedia with Built-in Audio Speakers & Microphone		
INTERFACES - Min 5 USB Ports*, RJ45, Audio Out/In, Mic In, Min 1 VGA Port & Min 1 HDMI Port. (In case the laptop has less than 5 USB 2.0 ports, then a USB Hub with multiple USB connections (enabling 5 devices plug-in through USB port) should be provided at no extra cost)		
CAMERA - Built-in webcam with minimum High Definition 720p		
KEYPAD - Integrated for laptop sized (Minimum 84 Keys) Windows compatible Spill-resistant		
POINTING DEVICE - Wide Touchpad below keyboard for laptop		
EXTERNAL DEVICE - USB Mouse with scroll button(OEM)		
WIRELESS / BLUETOOTH - Should have built-in support for Bluetooth 4.0, Wi-Fi (IEEE 802.11b/g/n) and Ethernet (10/1000 Base-T)		
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 - Minimum 14" HD Anti-Glare (16:9)		
BATTERY – Min 40 WHR Battery pack or higher and Min. 8 hrs backup time		
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 / Quick Heal 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 Professional (Original) bundled with Window 10 Pro CD, Drivers CD, Recovery CD*		

Monitor

Technical Specifications		Complied	
Item	**Specification**	**Y/ N**	**If no. remarks**
Hardware	**Make & Model of Monitor – _____**		
Size	Min. 15-16 inch or higher LED Colour Monito (1024x768 or above)		
OEM	Among the "Leaders" Quadrant in the India region in any of the previous two Quarters as published in IDC / Gartner / Frost and Sullivan report for the PC / Laptop / Monitors.		

MFP

ANNEXURE - 12C

Multi Functional Printer		Complied	
Functions	Print, copy, scan	**Y/ N**	**If no. remarks**
Hardware	**Make & Model of MFP – _____**		
Printing	**Mono**		
Print speed black (normal, A4)	Min 18 ppm		
Duty Cycle In Pages	3000 pages per month		
Print technology	Ink Tank		
Print quality black (best)	Up to 600 x 600 dpi		
Paper handling			
Paper handling standard/input	Two trays.One Multipurpose tray of 250-sheet input capacity and one manual feedpaper tray of Min.100 sheet input capacity		
Duplex print options	Manual		
Media sizes supported	A4, Legal Size		
Scanner Specifications			
Scaning	Color		
Optical scanning resolution	Up to 600 x 600 dpi (1200 dpi effective)		
Bit depth	24-bit		
Copier Specifications			
Copy speed (black, best quality, A4)	Min 18 cpm		
Copy resolution (black text)	Up to 600 x 600 dpi		
Connectivity			
Standard connectivity	Hi-Speed USB2.0 port		
Compatible operating systems	Microsoft®Windows®10, Microsoft®Windows®8, Microsoft® Windows® 7 and earlier versions of Windows (XP, Vista) and Linux		
Compatible Software	Compatible with Aadhar UIDAI Software / Finacle		
Catridge			
Type	Toner catridge provided with printer should not be a Demo Catridge		

W Screen, F Light, S Gaurd

ANNEXURE - 12D

White Screen		Complied	
Specification	**Details**	**Y/ N**	**If no. remarks**
Hardware	**Make & Model of White Screen – _____**		
Size	4 X 5 ft stand mountable / wall mountable		
Accessories	Stand		
Non-Reflecting	Yes		
Opaque	Yes		

Focus Light		Complied	
Specification	**Details**	**Y/ N**	**If no. remarks**
Hardware	**Make & Model of Focus Light – _____**		
Capacity	60W		
Accessories	Stand, 2Mrts Wire and on/off Switch near the operator		

Surge Protector Spike		Complied	
Specification	**Details**	**Y/ N**	**If no. remarks**
Hardware	**Make & Model of Surge Protector Spike – _____**		
General	6 nos. of 5A sockets (4 Indian style + 2 International Style), Fuse, on/off Switch and ISO mark		

Iris Device

Iris Device Specifications Make & Model of Iris Device:_____ (http://www.stqc.gov.in/sites/upload_files/stqc/files/BDCS-03-08.pdf)			Complied	
Specifications	**Stationary (mounted: wall, tripod or stand)[1]**	**Hand-held[2]**	**Hand-held with alignment aid[3]**	**Y/ N**	**If no. remarks**
Iris Diameter (In pixel)	> 210				
Spatial Resolution Pixel Resolution	> 60% @ 4.0 Lp/mm > 16 Pixels/mm				
No. of simultaneous captured eyes[4]	2				
Viewfinder	External	Internal	External or Internal		
Capture distance	> 750 mm	> 50 mm	> 20 mm		
Capture volume (width/height/depth)	> 250x500x500mm	> 20x15x12mm	> 20x15x12mm		
Exposure time	< 15ms	< 33 ms	< 33 ms		
Imaging wavelength	700-900 nm				
Spectral Spread	Power in any 100nm band > 35% of total power				
Scan type	Progressive				
Image margins	Left & right: 0.50x iris diameter, Top & bottom: 0.25x iris diameter				
Pixel depth	> 8 bits/pixel				
Image evaluation frame rate	> 5 frames/sec, continuous image capture				
Capture mode	Auto capture with built-in quality check (incorporates NIST quality considerations)				
Sensor signal to noise ratio	> 36 DB				
Connectivity[5]	USB 2, USB-IF certified Or Networked (TCP/IP)	USB 2, USB-IF certified			
Power	USB or independent PS				
Weight	NA	< 1 kg	< 1 kg		
Dimension	<300 x 100 x 300 mm	< 220 x 200 x 100 mm	< 220 x 200 x 100 mm		
Operating temperature	0-49C				
Humidity	10 – 90% non-condensing				
Durability/Shock	IP54				
Safety Standard	Exempt Group per IEC 62471:2006-07				
Standards	FCC Class A, RoHS				
Software AP	Compliant with latest UIDAI Device Capture API Specifications. Linux/Windows 64 bit VDM ready certified by UIDAI				

Note:

[1]Stationary: Any capture process where the device is stationary and the subject is required to position and rest himself/herself

[2]Hand-held: Operator operates and holds the camera and the subject is stationary.

[3]Alignment aid: Camera has mechanical fixture for alignment. Optical viewfinder is not considered alignment aid.

[4]Considered simultaneous if second eye is captured within 2 seconds of first eye done without moving the device

[5]Total of only 1 USB port will be available for connectivity and power

Camera

Camera Make & Model of Camera:_____ (http://www.stqc.gov.in/sites/upload_files/stqc/files/BDCS-03-08.pdf)		Complied	
Specification	**Details**	**Y/ N**	**If no. remarks**
Capture Mode	Plain live capture		
Image Quality	Full Frontal (0x01) as per ISO/IEC 19794-5		
Minimum Resolution	800 x 600		
Capture Mode	Manual Capture with Auto Focus and Auto Lighting Adjustment		
Sensor	>2 Mega Pixel Native		
Connectivity[1]	High Speed USB 2.0, USB-IF certified		
Lens	Fixed, SLR		
Power	Through USB/Independent PS/Lithium Ion preferred to AA/AAA batteries		
Mount	Tripod		
Operating Temperature	0 to 50 degree Celsius		
Humidity	10 – 90%		
Safety Standard	UL		
Software API	Compliant with latest UIDAI Device Capture API Specifications		
Durability / Shock	IP 54		

Note:

[1]Total of only 1 USB port shall be available for connectivity and power

Finger Print Device

ANNEXURE - 12G

Finger Print Device Make & Model of Finger Print Device:_____ (http://www.stqc.gov.in/sites/upload_files/stqc/files/BDCS-03-08.pdf)		Complied	
Specification	**Details**	**Y/ N**	**If no. remarks**
Capture mode	Plain live scan capture		
Image Acquisition Requirements	Setting level 31 or higher (Section 9.1 of Biometric Design Standards for UID Applications V1.0)		
Image evaluation frame rate	> 3 frames/sec, continuous image capture		
Capture mode	Auto capture with built-in quality check (incorporates NIST quality considerations)		
Capture area	> 76mm x 80mm		
Connectivity[1]	USB 2, USB-IF certified		
Power	Through USB		
Dimension (W X H X D)	< 160mm x 160mm x 160mm		
Weight	Maximum 2.5 Kg.		
Operating temperature	0 – 50 C		
Humidity	10 – 90% non-condensing		
Durability / Shock	IP 54		
Standards	UL certified (if applicable). Meets ISO 19794-4:2005 Section 7 and Annex A certification requirements (IAFIS Appendix F certified).		
Software API	Compliant with latest UIDAI Device Capture API Specifications Linux/Windows 64 bit VDM ready certified by UIDAI		

Note:

[1]Total of only 1 USB port shall be available for connectivity and power

GPS Device

ANNEXURE - 12H

GPS Device		Complied	
Specification	**Details**	**Y/ N**	**If no. remarks**
Hardware	**Make & Model of GPS Device: _____**		
General	The GPS device should be certified by UIDAI as per GPS related OM 4(4)/57/122/2016/E&U-Pt **Note: List of approved GPS vendors are available in the UIDAI website, www.uidai.gov.in**		
Accessories	With all necessary required cables and accessories to connect to the Laptop		