

list of NSQF Lab Articles by the Technical Committee held on 13.11.2018  
Job Role : Domestic Biometric Data Operator (DBDO) QP ID: SSC/Q2213

Sl No	Item	Specification	Quantity
1	Desktop Server	Processor: Core i7 RAM : 8 GB Hard Drive: 1 TB Display Size: 21.5 inch DVD Drive, Keyboard, Mouse Operating System: Windows 10 Pro	1
2	Desktop PC	Processor: Core i3 RAM : 4 GB Hard Drive: 1 TB Display Size: 21.5inch DVD Drive, Keyboard, Mouse Operating System: Windows 10 Pro	15
3	Inkjet Printer	All-in-One Ink Tank Printer (Printing, copying and scanning) Compact integrated tank design High yield ink bottles Spill-free, error-free refilling Print speed: Up to 33 ppm Black / 15 ppm Color	1
4	ID Card Printer	Direct to card dye-sublimation/Resin thermal transger, single -sided printing , edge to edge printing resolution 260 x 300 dpi. 2 million colors, 16 MB RAM Feeder Capacity : 25 cards Card type : PVC cards. Ribbon capacity : YMCKO - 100 prints/roll Black monochrome ribbon 500 prints/roll	1
5	Fingerprint Scanner	LiveScan for Ten Fingerprint Capture, Resolution 500 ppi Active Platen Area 3.2 x 3.0 in. (81.28 x 76.2 mm) Platen Size 3.8 x 3.1 in. (97.6 x 78.6 mm) Input Power 5 V DC via USB, Consumption 500 mA maxLiveScan Software- features real -time image quality check, sequence verification , auto-center and auto contrast functions.	5

		Dual Iris Scanner Iris Diameter Greater than 210 pixels	
6	IRIS Scanner	Spatial Resolution 4.0 lp/mm at 60% or higher contrast Capture Mechanism- Dual Optical System for simultaneous capture of both iris. ImagesLiveScan software- features real - time image quality check, sequence verification, auto-center, and auto-contrast functions.	5
7	Web Camera	HD Video calling (1280 X 720 pixels) 5 mega Pixel USB 2.0 certified Video and photo capture Face tracking Motion detection	5
8	Face Recognition Attendance System	Display Type - Touch Screen Type- Face Recognition Face Capacity : 3,000 Fingerprint Capacity : 4,000 ID Card Capacity : 10,000 Transaction Capacity : 1,00,000 Communication- USB, RS485, RS232, TCP/IP Screen Size- 4.3 push data facility required. Power Supply- 12 V 3 A software should be included	5
9	GPS Dongle	USB GPS Receiver Built-In GPS Patch Antenna Built-In Roof Mount Magnet 48-Channel All-In-View Tracking	5
10	Anti-static wrist wrap	To prevent the buildup of static electricity	5
11	Wireless Router	Dual Band Router 750 Mbps Speed Frequency: 5 GHz, 2.4 GHz External Antenna	1
12	switch	24-Port Gigabit Unmanaged Switch 100-1000Mbps 48Gbps Switching Capacity	1
13	USB Hub 5 Port	USB 3.0 5-Port Hub Super speed USB 3.0 Hub Comes with 4 USB ports 4 x USB 3.0 (Backward compatible with USB 2.0 / 1.1) Provision for optional power adaptor	5
14	1 KVA UPS with External Battery		1

15	Application software	1. To collect data from customers into a customized computer program (like Adhar application data). 2. To capture of finger print data , facial expression and iris. 3. To compare the biometric data with reference templates. 4. For Database error management and biometric data exception handling. 5. To upload biometric data on server. 6. To print the required fields of biometric data. 7. To integrate various Bio-metric devices	5
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