

## **TECHNICAL SPECIFICATIONS FOR HANDHELD DEVICE AND ANCILLARY ITEMS**

The device should consist of the following components, preferably bundled in a case for the convenience of handling:

- a) Tablet
- b) Thermal printer
- c) Biometric finger printer scanner
- d) Pin Pad

Minimum Technical specification of each device is as under:

### **a) Tablet**

Preferable Model	:	Full touch screen Tab device of any size
Operating system	:	Android version 13
Resolution	:	1340 * 800 Pixels
Connectivity	:	Wi Fi - 802.11 b/ g/ n/ ac GPS Bluetooth - Yes, v 5.00/above
Supported mobile network	:	2G, 3G,4G,5G (Optional)
Communication interface	:	GSM/GPRS, Wi Fi, Bluetooth v5.0
Rear camera	:	Minimum 5 MP
Front camera	:	Minimum 1 MP (Optional)
Processor	:	1GHz dual core or above (Mediatek MT8768T Helio P22T (12 nm))
RAM	:	Minimum 3 GB
Internal Storage	:	Minimum 32 GB
Expandable storage	:	Provision through Micro SD Card
SIM	:	GPRS SIM
GSM/CDMA	:	GSM
Speaker	:	Required (Mp3/Wave support)
USB Host Support	:	Mandatory to support micro USB fingerprint scanners.
External USB Slots	:	2

### **b) Thermal Printer**

- ✓ The model should have a minimum of 2 Inch direct thermal dot printer.
- ✓ Should support.
  - Multi-lingual printing
  - Image printing
  - Diagnostics check like paper out, lid open, low battery etc
- ✓ Supply/availability of printer paper rolls to be ensured.
- ✓ Should have rechargeable battery.
- ✓ Support connectivity to tablet, preferably via Bluetooth.

### **c) Biometric Fingerprint Scanner**

- ✓ Have optical/capacitive technology sensor
- ✓ Support ISO SC37 19794-2/4 or ANSI/INCITS 378 template formats, 500 dpi resolution
- ✓ STQC/UIDAI certified device
- ✓ Support for RAW and WSQ format, NFIQ Calculation, one to one/one to many verification
- ✓ Should have rechargeable battery
- ✓ Support connectivity to tablet, preferably via Bluetooth or microusb.
- ✓ Must be L1 Compliant.
- ✓ Must be capable for live fingerprint detection, latent fingerprint detection.
- ✓ RD application of Vendor must be supported for all Android versions in market.

### **d) Pin Pad**

- ✓ Compact MPOS pinpad device which connects to a wide range of smart phones and tablet via Bluetooth V 5.0 or above
- ✓ Certification – PCI PED version 3.0 and any other certifications required as per NPCI/regulator
- ✓ Should be able to store at least 2 master keys and 2 session keys
- ✓ Should be able to verify KCV for loaded keys
- ✓ Should have rechargeable battery
- ✓ Should have a minimum display of 1 inch
- ✓ Support connectivity to tablet, preferably via Bluetooth
- ✓ Capable of reading Master Card, Visa Card, Rupay etc.
- ✓ EMV L1 & L2 certified
- ✓ Certified pinpad for card payment acceptance

### **MDM:**

TAB Device should be compatible with all the mobile device management (MDM) solutions. Bank is currently using Microsoft Intune.