

The Committee examined the earlier ePoS specifications dated 11.11.2014, 19.04.2021, and 01.01.2025, deliberated and drafted the revised specification. Feedback / comments on the specifications may be sent to Ms. Meenu Arora, Scientist 'F', National Informatics Centre at the email address 'm_arora@nic.in'.

S. No.	Description	Revised Specifications as deliberated by Committee
1.	Processor	High performance secured Processor with speed of 2 GHZ or above capable of performing at least 15 transactions per minute in laboratory environment. 1. Perform Biometric/Aadhar based/Face Authentication of the PDS beneficiary with UIDAI server. 2. Generate Encrypted pay load for maximal Sales data. 3. Transmit the Encrypted transaction sales data to PDS server. (Remove the locally stored sales data only after getting acknowledgement from the server) -Processor should be capable enough of performing FINGERPRINT authentication with AUA/ASA/UIDAI server. Should support latest encryption algorithm.
2.	OS	Linux Stable OS /Android 12/Windows 10 or latest. It should be secured as well.
3.	Memory	• 4 GB or higher RAM (for Linux) and 4 GB or higher RAM (for Android /Windows) • 64 GB or higher In-built Storage (Flash Memory) for Linux, Windows & 64 GB or higher In-built Storage (Flash Memory) for Android.
4.	Expansion Slot	Micro SD slot should be able to support up-to 32 GB.
5.	Communication	Should support GSM network, LTE or above, Wi-Fi and Bluetooth. Device should support GPS feature. It should be secured protocol.

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6.	Interface	USB 2.0 or higher At least one free USB port shall be available after setting up the entire solution including peripheral devices like IRIS Scanner and Weighing Scale
7.	Display	5.5 inch or higher colour TFT Display supporting QVGA (1280 x720) or better resolution and 64K or higher colours resolution.
8.	Key Pad	Optional- Qwerty keypad with navigation keys, Function key, keys size to be large enough for navigation.
9.	Battery	Swappable & Dry/Rechargeable, Li-ion or Li- Polymer battery capable of providing minimum 12 hours of operation while all function of device active i.e. battery capacity of minimum 2600mAH(Minimum18.72 Wh for Linux) and minimum 3250 mAH (Minimum 23.40 Wh for Android & Windows).
10.	Power Adapter	Power Adapter with surge protection and operating range 100 to 240V,50Hz. AC input
11.	SIM & SAM slot	Dual GSM SIM slot supports 3G, 4G, LTE or above and Minimum One SAM slots for software up-gradation in device.
12.	Printer	Integrated 2" Thermal Printer or higher
13.	Audio	Good quality Speaker with 1W or higher output for announcements
14.	Finger print Scanner	STQC AND UIDAI Certified L1 biometric Fingerprint scanner

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15.	IRIS Scanner (External)	STQC and UIDAI Certificated IRIS Scanner with inbuilt Encryption
16.	Support to connect Weighing Scale	Availability of connectivity feature of electronic weighing scale through USB, Bluetooth (with minimum 20 ft. which should match range of C1, C2, C3 of weighing scale)
17.	Other Accessories	Durable carry Case, User Manual (in Hindi and English)
18.	SDK	Appropriate SDK needs to be provided along with the devices with necessary technical support. Source code review of particular version of SDK should be done.
19.	Terminal Management	Device should be remotely manageable in secured mode. OS patches, applications software patches and new software releases shall update into POS machines remotely using push method. TMS should be hosted in India & shall have VAPT testing from Cert-in Certified Agencies/STQC in accordance with Meity approved guidelines. SI shall, if required host TMS at NIC/SDC of Respective states
20.	Environment, Health & Safety Device should be remotely manageable in secured mode Durability, Humidity, EMI/EMC Compliance	It should be BIS safety standard IS 132- 52 compliant

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21.	Device Form Factor	The device should be portable and handy
22.	Warranty	Warranty support should be onsite for a period of 05 years and devices/spare parts should be replaceable.
23.	Certifications and compliances	Such specifications and requirements already mentioned above and may be removed
24.	Security	May be removed as requirements already given above.
25.	Camera	13 MP back camera and another 13 MP front camera and should be able to perform Aadhaar enabled Facial authentication. The camera should be integrated with the device.
26.	Make in India	The devices should be manufactured in India as per Gol's ATMANIRBHAR BHARAT Program and in accordance Make-in-India (MII) Local supplier certificate (as per order No P-45021/2/2017-PP (BE-II) by DPIIT, Ministry of Commerce and Industry, Govt. of India.