

W-43/4/2020-IPHW
Ministry of Electronics and Information Technology
(IPHW Division)

Electronics Niketan, 6,
CGO Complex, Lodhi Road
New Delhi-110003

Dated: 19 Aug 2024

Subject: Model Technical Specifications of Desktop PCs, Laptop PCs and Tablet PCs for procurement to be made by Ministries/ Departments and their agencies –reg.

The Government has issued Public Procurement (Preference to Make in India) Order 2017 vide the Department for Promotion of Industry and Internal Trade (DPIIT) Order No. P-45021/2/2017-B.E.-II dated 15.06.2017 and subsequent revisions vide Order No. 45021/2/2017-PP(BE-II) dated 28.05.2018, 29.05.201, 04.06.2020, 16.09.2020 and 19.07.2024 to encourage 'Make in India' and to promote manufacturing and production of goods and services in India with a view to enhancing income and employment.

2. In furtherance of the aforesaid Order, Ministry of Electronics and Information Technology (MeitY) has notified mechanism for calculating local content for 14 Electronic Products, including Desktop PCs, Laptop PCs and Tablet PCs.

3. In order to consolidate demand and streamline the procurement process of aforesaid ICT products, MeitY, in consultation with the industry stakeholders has formulated the updated Model Technical Specifications of Desktop PCs, Laptop PCs and Tablet PCs for procurement to be made by Ministries / Departments and their agencies / PSUs (**copy enclosed- Annexure - I**). The procuring entities shall incorporate the specifications of Desktop PCs, Laptop PCs and Tablet PCs, as per their requirement, in the tender document from the Model Technical Specifications.

4. All Ministries/ Departments are therefore requested to issue suitable instructions to procurement entities, including PSU/ Statutory bodies/ Autonomous bodies under their administrative control, for procurement of Desktop PCs, Laptop PCs and Tablet PCs as per the updated Model Technical Specifications issued by MeitY for usual official requirements. In case of any specific requirement for high computation or memory intensive infrastructure, the procurement agencies may specify different specifications from the model technical specifications as suggested by MeitY. The validity of these updated Model Technical Specifications for Desktop, Laptop and Tablet will stand by the end of FY 2026-27 i.e 31.03.2027 or until further orders, whichever is earlier.

5. Further, Government e-Market Place (GeM) is requested to upload the aforesaid Model Technical Specifications at GeM portal with suitable instructions.
Encl.: As above.


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To

1. All Secretaries of Ministries/ Departments of Government of India
2. CEO, Government e-MarketPlace (GeM).
3. All Societies/ Autonomous Bodies/ Attached Offices/ Statutory bodies under administrative control of MeitY
4. General Administration, MeitY

Model Technical Specifications

1. Desktop PCs

Parameters	Model Specifications		
	Entry-Level	Mid-Level	High-End
Processor	AMD Ryzen 3 5300G/ intel Core i3 12100	AMD Ryzen 5 5600G/ intel Core i5 12400	AMD Ryzen 7 5700G/ intel Core i7 12700 or Higher
RAM	Minimum 16GB DDR4, with support of suitable slots to expand memory upto 16GB or more.	Minimum 16GB DDR4, with support of suitable slots to expand memory upto 32GB.	Minimum 16GB DDR4 or latest, with support of suitable slots to expand memory upto 64GB or Higher
Memory Size	Minimum 500 GB HDD or 500 GB SSD(Nvme)	Minimum 500 GB HDD & 500 GB SSD(Nvme)	Minimum 1 TB SSD (Nvme)
Chipset	Compatible chipsets as per processors make		
DVD	Optional		
Display size (Monitor)	19" WTFT or Higher		
Display Type	LED		
Keyboard	Wired / Wireless		
Mouse	Wired / Wireless		
Cabinet	MT/SFF		
SMPS	180-250W		
Speaker	1 Internal Speaker		
Ports	Minimum 6 USB, VGA/HDMI/DP, LAN		
OS	Windows/ Linux		
Certification	BIS, BEE, EPR, RoHS or any other relevant Indian Certificates		



2. Laptop PCs

Parameters	Model Specifications		
	Entry-Level	Mid-Level	High-End
Processor	AMD Ryzen 3 5425U/ Intel Core i3-1215U	AMD Ryzen 5 5625U/ Intel Core i5-1245U	AMD Ryzen 7 5825U/ Intel Core i7-1265U Or Higher
RAM	Minimum 16GB DDR4, with support of suitable slots to expand memory upto 16 GB or higher.	Minimum 16GB DDR4, with support of suitable slots to expand memory upto 32GB.	Minimum 16GB DDR4 or latest, with support of suitable slots to expand memory upto 64GB or Higher
Memory Size	Minimum 512 GB SSD (Nvme)	Minimum 1 TB SSD (Nvme)	Minimum 1 TB SSD (Nvme)
Display Resolution	1366x768 HD display	1920x1080 FHD display	1920x1080 FHD display
Battery	Lithium ion Battery Capacity (Watt Hour) - Minimum 36 Battery Backup Time (Hours) - 8		
Chipsets	Compatible chipsets as per processors make		
Display size	14" or Higher		
Display Type	LED		
Bluetooth	Enabled 5.0 or higher		
Wireless Device	Wireless 802.11 ac+ BT 5.0 or higher		
Interfaces	RJ-45, Min. 2 USB3.0 Type A & 1 USB 3.0 Type C, Audio combo port, DC Adapter Jack, HDMI port		
Audio	Built-in stereo speakers with high-definition audio support. Built-in Microphone.		
Security	Bios Password/ FTPM 2.0 etc.		
Hardware interface	USB and HDMI		
Ethernet controllers	Gigabit Ethernet		
Keyboard & touch pad device	Keyboard with touch pad		
Mouse	Optional		
Camera for video conferencing	HD 720p Webcam		
OS	Windows/ Linux/ Android(optional)		
Certification	BIS, BEE, EPR, RoHS or any other relevant Indian Certificates		

3 Tablet PCs:

Parameter	Specification
Processor	Quad-Core with frequency of 1.8 GHz or more
RAM	4 GB or higher
Memory Size	64 GB or higher
Rear Camera	5 MP or higher
Front Camera	2 MP or higher
Battery (mAh)	5000mAh or more
Display (Size/Type/Resolution)	8.0" or more TFT (capacitive, multi-touch) 1280 x 800 or higher
Bluetooth Version.	5.0 or higher
Wi-Fi	802.11 a/b/g/n/ac or latest
Network Support (Data & voice)	4G/LTE 3G/2G/VoLTE
SIM card slot	1 Micro/Nano SIM or more
Voice Calling Support	Yes
Micro USB 2.0 Slot	Yes
Audio In/Out	3.5mm Headphone Jack
GPS	Yes
Operating System	Android 13.0/equivalent or higher
Certifications	BIS and BEE, EPR and RoHS and any other relevant Indian Certificates

