From   Additional Chief Secretary to Government, Haryana,
            Information Technology, Electronics and Communication Department,
            Haryana Civil Secretariat, Sector-1, Chandigarh.

To,

1. All the Administrative Secretaries to Govt. Haryana
2. All the Head of Departments in Haryana
3. All the Divisional Commissioners in Haryana
4. All the Managing Directors/ Chief Administrators/ Chief Executive Officers of Boards/ Corporations/ Public Sector Undertakings, etc.
5. All the Deputy Commissioners in Haryana
6. State Informatics Officer, HSU, Chandigarh
7. The Registrars of all Universities in Haryana
8. The Secretary, Haryana Public Service Commission
9. The Secretary, Haryana Staff Selection Commission

No. Admn./3/20/3SIT/17243
Dated, the Chandigarh 31.03.2022

Subject: Generic Technical Specifications for Desktop Computers

Sir/Madam,

I am directed to address you on the subject cited above and to inform you that the Government have observed that many Departments/Boards/Corporations/Organizations are facing issues while procuring Desktop Computers due to the lack of knowledge with regard to specifications of multiple types of Brands and OEMs available in market.

2.   After careful consideration, the Government (IT Department) has prepared the generic specifications for desktop computers taking into consideration multiple processor or computer OEMs to ensure maximum participation and wider competition. A copy of statement showing the Generic minimum technical specifications for Desktop Computers with latest configurations (for different categories) duly approved by the State Technical Committee is enclosed for reference.

3.   Accordingly, all the Departments/ organizations can purchase the Desktop Computers with these latest configurations required for appropriate category of users as defined in the above referred statement by itself or through any approved Agency by adopting due procedure of the Government.

Director (Admn)
for Addl. Chief Secretary to Govt. Haryana
Information Technology, Electronics & Communication Department

Statement

Type	Parameter	Generic Specifications proposed for Desktops (Intel / AMD)		
		Normal Office Function	Middle/ Higher Management/ Mid Scale Development	Top Management High End Programming/ Development
Case Size and Chassis		Small Form Factor (SFF)		
Processor	Generation	Latest Generation of Processor		
	CPU Architecture	x64		
	Speed (Min Base Frequency)	3.0 GHz or higher	3.0 GHz or higher	2.8 GHz or higher
	Cores	Min. 4	Min. 6	Min. 8
	Threads	Min. 8	Min. 12	Min. 16
	Cache	6 MB or higher	11 MB or higher	16 MB or higher
Mother Board	Sound/ Audio System	Integrated		
	Memory	1x16 GB DDR-IV (2666 MHz) or higher expandable up to 32 GB (One DIMM Free)	1x16 GB DDR-IV (2666 MHz) or higher expandable up to 64 GB (Min. 4 DIMM)	1x16 GB DDR-IV (2933 MHz) or higher expandable up to 64 GB (Min. 4 DIMM)
	Video Graphics	Integrated Graphics		
	PCI Slot	Minimum 1 PCI Express x 16		
Hard disk Drive		1 TB SATA (7200 RPM) or higher capacity	(256 GB SSD + 1 TB SATA (7200 RPM) or 512 GB SSD or higher capacity	(512 GB SSD + 1 TB SATA (7200 RPM) or 1 TB SSD or higher capacity
Display	Screen Size	19.5" or more TCO 08 certified		
	Display Technology	Active Matrix TFT LCD (Backlit LED)		
	Resolution	1600x900 or higher		
Keyboard		Standard USB OEM make		
Mouse		Optical/Laser USB OEM make		
Operating System	Preloaded OS	Windows 10 Professional 64 bit OEM or Higher		
Option 1	Additional OS supported	Linux		
Option 2	Preloaded OS	Linux/DOS in lieu of Windows 10 Professional (OEM Pre-Loaded)	Operating System Option 2 Not Applicable	
Miscellaneous	Ports, Security & Misc	Minimum 6 USB Ports (Out of which 3 USB 3.0 ports and minimum 2 USB ports should be at front), 10/100/1000 Ethernet Card, 1x VGA/DP, 1x Display Port/HDMI, Microphone & Stereo Head Phone / Combo port and other standard ports, Hardware TPM 2.0 or higher, Chassis Intrusion System		
	Power Supply	200 W or less Power supply (>=85% efficient), Active PFC or higher		
	Volume	<= 13L		
	Warranty	Min 5 Years OEM onsite comprehensive		
Price with Operating System (Win 10 Prof.)				
Price without Operating System (Win 10 Prof.)				

1639843/2022/HARDWARE DIVISION(CHD)-HARTRON

Required Certification of all Compute System

Sl. No.	Category of Standard	Description	Name of Certification
1	Safety Standards	Safety of Electronics Products against Electrical Hazards	IS 13252(Part1):2010/ IEC 60950 Part1;2005/ UL Certification/ Equivalent Indian Standard
		Certification for Electro Magnetic Interference/Radiation under control	FCC/Equivalent certification from NABL approved Lab
		Restriction of Hazardous Substances in manufacturing	India WEEE & India RoHS/ International RoHS
2	Energy Efficiency Standards	Energy Efficiency Standard	Energy Star 7.0 or higher/ Equivalent
			BEE Star rating
3	Environmental Standards	Environmental Protection Standard	EPEAT/ Equivalent Indian Standard
4	ISO standard	ISO 9001	ISO 9001

Additional Items

1 1x16 GB DDR-IV (2666 MHz or Higher) RAM
2 1x16 GB DDR-IV (2933 MHz or Higher) RAM
3 1x32 GB DDR-IV (2666 MHz or Higher) RAM
4 1x32 GB DDR-IV (2933 MHz or Higher) RAM
5 23.8-inch Monitor TCO 8 (1980x1080) in lieu of 19.5 inch Monitor
6 21.5-inch Monitor TCO 8 (1980x1080) in lieu of 19.5 inch Monitor
7 Windows 10 Professional 64 bit Operating System
8 Windows 10 Home Edition 64 bit Operating System
9 Windows 11 Professional 64 bit Operating System
10 Windows 11 Home Edition 64 bit Operating System

Less Cost

1 Less Cost to be borne by Purchaser in "Normal Office Function" Category if purchaser chooses Operating System "Option 2" i.e. Linux/DOS in lieu of Windows (OEM Pre-Loaded)