



HIRAKUD COLLEGE, HIRAKUD

(LARPANK), SAMBALPUR, PIN-768016

MOB. NO.: 9437807187, www.hirakudcollege.org

Letter No. 445

Date 24.05.2025

HIRAKUD COLLEGE, HIRAKUD

Email Id – hirakuddegreecollege@gmail.com

Quotation Call Notice

Sealed quotations are hereby invited from Authorized Firms / Suppliers to reach the undersigned by registered post / speed post / courier on or before 09/06/2025 for the procurement of the following items for **IT infrastructure** funded by Higher Education Department, Govt. of Odisha vide letter No. 12655 dated 05.03.2025. Interested firms are required to quote the price of each item with GST separately. **Item wise specifications are attached on Annexure - B.**

Sl. No.	Items to be procured
1	Desktop
2	UPS
3	MFM Printer
4	LED TV (65 inches)
5	Wireless Mice and Camera for Virtual meeting
6	Internet Facility

The quotation will be opened on 10/06/2025 in the college at 10.30 a.m. The undersigned reserves the right to cancel the quotations without giving any reason thereof.

Sumitra Panda
Principal
Hirakud College
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24/05/2025

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Desktop Specification

Items	Specification
Cabinet Form Factor	Tower/Micro Tower (15.1 to 26 Litres)
Chipset Number	Intel H670/Intel® H770 or higher Chipset
Processor Make	Intel
Processor	x86 64-bit architecture
Processor Generation	13 Or higher
Processor Description	Intel Core i3 or higher
Processor Number	Intel Core i3 13100 or higher
Number of Cores and Threads per Processor	Max Turbo Frequency 4.5Ghz, Minimum 4 Cores and 8 Threads or higher
Operating System	Windows 11 Home Factory Preloaded
RAM Size (GB)	DDR-4 8GB 3200 (16 X1) or higher (2 DIMM Slots)
RAM Expandability up to (using spare DIMM Slots in GB)	64 GB or higher
Integrated Graphics	Intel UHD Graphics 770 or higher
Supported for discrete NVIDIA/AMD Graphics Card up to 6GB	Yes
Type of Drives used to populate the Internal Bays	NVMe SSD
Total HDD Capacity (GB)	NA
Total SSD Capacity (GB)	512GB NVMe SSD ✓
Optical Drive	Optional
Drive Bays	Two 3.5" (2.5") HDD
Slots for Upgradation	1 PCI Express 4.0 x16, 1 PCI Express 3.0 x1, 1 PCI (Full Height), 2 M.2 slots for WLAN & SSD
LAN	LAN: Integrated 10/100/1000M
Ports and Connectors	Front: 1 headphone/microphone combo; 3 Super Speed USB 5Gbps signalling rate; 2 SuperSpeed USB 10 Gbps signalling rate; 1 USB Type-C, total 6nos USB in front for easy access Rear: 1 HDMI; 1 Serial Port; 1 line in; 1 line out; 1 power connector; 1 RJ-45; 1 DP; 2 USB 2.0
Firmware Trusted Platform Module	TPM 2.0
Hardware Security lock slot	Security lock slot
Power Supply	180-260Watt Internal power supply with minimum 90% efficiency
Certification	Bidder should submit OEM bid specific authorization & the same authorization may be verified by the respective OEM if required.
	OEM must have the ISO 9001,14001, ISO 20001, ISO 27001 Certificate
	Microsoft Windows, Energy star 8.0 certified
	Bidder should submit BIS, BEE, EPEAT, UL, RoHS Certificate of products at the time of participation of the Bid.
Keyboard Mouse	USB Keyboard; USB Optical Mouse
Monitor	19.5" LED Display with CTO Certified and same must be belongs to the same OEM
Years of Warranty	3 Year Onsite Warranty

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600 VA Line Interactive UPS Specifications		
Sl. No.	Feature	General Specifications
		600VA/360W
1	UPS Capacity (total)	230 VAC nominal
2	Input Voltage	45 - 65 Hz
3	Input Frequency	145 VAC typical
4	Brownout Transfer	290 VAC typical
5	Over-voltage Transfer	230 VAC typical (stepped approximated sine wave)
6	Voltage on Battery	50Hz typical
7	Frequency - On Battery	@50 Hz : 6 ms typical, 10 ms max
8	Transfer Time	Should have Side and Back Honey bee Perforation for heat dispersion
9	Air Ventilation	UPS Should have conformal paint coating on PCB for Insulation for Dust and Humidity
10	Protection from Humidity & Dust	UPS Should have Battery Saver Option to increase the life of the Battery upto 5 years
11	Battery Saver Option	UPS Should work on loads of 2-3 watts also
12	No Load Shutdown	Full time, 160 joules
13	AC Surge Protection	In case the UPS backup is totally drained and automatic switched off, when the grid power resumes the UPS Should Auto Start without human interference.
14	Automatic Re start of UPS	12V, 7.2 Ah
15	Type (maintenance-free)	4- 6 hours
16	Typical recharge time	0°C to 40°C
17	Operating Temperature	-15°C to 45°C
18	Storage Temperature	With battery backup and surge protection
19	3 power outlets	1.2 meters
20	Power Cord	27 min (normal mode)
21	Runtime for Single PC load (60W $\pm$ 15W)	13 min (normal mode)
22	Runtime for Workstation PC (100W $\pm$ 15W)	Thru toggle button on front panel
23	Battery Saver (to save on battery life)	BIS
24	Certification	Yes
25	Designed and Manufactured in India	2 years
26	Warranty	

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Generic	
Description of Stores	Multifunction Machine Printer with Minimum 1 Year On Site Warranty, including Cartridge and Power Cord/Adapter
Core Function	Print, Scan and Copy
Print Technology	Laser
Cartridge Technology	Composite Cartridge
Type of Printing	Monochrome (Black)
RAM Size (MB)	256
Storage Capacity (in GB)	0
Features	Fax
Operating System Compatibility	Windows 10 and Above, Linux, Mac OS, Windows Server
Printing	
Print Paper Size	A4 and Legal ✓
Minimum Print Speed per Minute as per ISO/IEC 24734 in A4 Size-Monochrome (Black) (in PPM)	26 to 30
Minimum Print Speed per Minute as per ISO/IEC 24734 in A4 Size-Colour (in PPM)	Not Applicable
Minimum Speed per Minute as per ISO/IEC 24734 in A3 Size-Mono (in PPM)	Not Applicable
Minimum Speed per Minute as per ISO/IEC 24734 in A3 Size-Color (in PPM)	Not Applicable
Auto Duplexing Printing/Coping (2-sided Feature)	Yes
Scanning	
Maximum Scan Area (Platen/Flatbed Size)	A4 and Legal
A4 Scan Speed -Colour (Image Per Minute) @ 300 x 300 dpi	11 to 20
Scan To Functions	Email
A4 Scan Speed - Mono (Image Per Minute) @ 300 x 300 dpi	11 to 20
COPYING	
Reduction and Enlargement Feature	Yes

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PAPER HANDLING

Original Document Feeder Type (For Scanning and Copying)	Automatic Document Feeders (ADF)
Feeder Capacity (Number of Sheets) (For Scanning and Copying)	31 to 40
Number of Main Paper Tray	1
Total Paper Tray Combined Capacity (Number) at 75 GSM	101 to 200
Bypass Tray Facility	No
If Yes, Bypass Tray Capacity	0
Connectivity	
Connectivity	USB Port, Ethernet Port, Wi-Fi
Accessories Provided	USB Cable
Performance	
Minimum Yield of the Cartridge/Ink/Toner supplied with Machine as per IS/ISO/IEC: 19752/2017 for Black (Number of Prints)	700
Minimum Yield of the Cartridge/Ink/Toner Supplied with Machine as per IS/ISO/IEC: 19798:2017 for Cyan, Yellow and Magenta Color (Number of Prints)	0
Minimum Duty Cycle (Number of Prints/Month)	10,001 to 20,000
POWER	
Power Supply	Single Phase AC 220 - 240 V, 50 - 60 Hz
Maximum Power Consumption (in Watt)	1300
Environmental	
Minimum Operating Temperature (Degree C)	10
Maximum Operating Temperature (Degree C)	30

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Minimum Operating Humidity (%RH)	20
Maximum Operating Humidity (%RH)	80
Dimension	
Standard Machine Weight with Single Tray (in Kg)	11
Certification	
BIS CRS Compliance	Yes as per IS 13252 (Part 1)
Maximum Number of Prints covered under Product warranty (Whichever is earlier)	30000 -
EPR Registration in respect of the manufacturer/authorised importer as per E waste rules as amended up to date	Yes
Agreed to Provide a copy of EPR Registration Certificate to the Buyer on Demand	Yes

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General Features	Screen Size	65
	Brightness (cd/m ²)	350Nits or better
	Contrast Ratio	1200:1
	Dynamic Contrast Ratio	400,000:1
	Response Time (ms)	8.0
	Display resolution (H x V, pixels)	3840 x 2160
	HDR (High Dynamic Range) compatibility	Yes (HDR10, HLG)
	Aspect Ratio	16:9
	Portrait/Tilt Compatibility	Yes
Display features	Dimming type	Frame Dimming
	Display Device	LCD
	Panel Type	IPS
	Backlight type	Direct LED
	Color gamut (NTSC)	69%
	Operation time	16/7
	Haze (%)	1 %
	Viewing Angle (Right/Left)	178 (89/89) degree
	Viewing Angle (Up/Down)	178 (89/89) degree
	HDMI Signal	4096 x 2160p (24, 50, 60 Hz), 3840 x 2160p (24, 25, 30, 50, 60 Hz), 1080p (30, 50, 60 Hz), 1080/24p, 1080i (50, 60 Hz), 720p (30, 50, 60 Hz), 720/24p, 576p, 576i 480p, 480i ✓
Audio Specs	Speaker Position	Down Firing ✓
	Audio Power Output	10W + 10W
Professional features	Pro settings	Yes (Simple Pro settings menu)
	HDMI auto wake-up	Yes
	Operating System	Android TV
	On-board Storage (GB)	16GB
Network Specs	RAM	3GB
	Wi-Fi Certified	Yes
	Wireless LAN	Integrated
Convenience features	USB playback codecs	MPEG1: MPEG1/MPEG2 PS: MPEG2/MPEG2 WEBM: AV1/AC4/ogg/AAC
	On Screen Clock	Yes
	Sleep Timer	Yes
	On/Off Timer	Yes
	Chromecast built-in	Yes
	Apple AirPlay	Yes
Control Specs	IP Control	Yes
	RS-232C Control	Yes
	HDMI-CEC	Yes
	HDCP	HDCP2.3 (for HDMI1/2/3)
	Composite Video Input (s)	1 (Side, Mini jack)

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Inputs and outputs	HDMI inputs total	3 (3Side)
	Analog Audio Input (s) (Total)	1 (Side Analog Conversion)
	Digital Audio Output (s)	1 (Side)
	USB ports	2 (Side)
	Ethernet inputs	1 (Side)
Design features	VESA® Hole Pitch (W x H)	300 x 300 mm
Environment Specs	Rated Power Consumption	226W
	Power Consumption (in Standby)	0.5 W
	Dynamic Backlight Control	Yes
	Power Saving Mode / Back Light Off Mode	Yes
Measurements	Dimension of TV without Stand (W x H x D)	1462 x 842 x 71 mm
	Dimension of TV with Stand (W x H x D)	1462 x 912 x 338 mm
	Dimension of Package Carton (W x H x D)	1588 x 965 x 184 mm
Weight	Weight of TV without Stand	20.4 kg
	Weight of TV with Stand	21.3 kg
	Weight of Package Carton (Gross)	28 kg

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FEATURES

More Details

Country of Origin	Switzerland
Connectivity	USB-C to USB-C Cable
Focus Type	Advanced Autofocus
Package Contains	MX Brio, Mount Clip with Removable Adapter, USB-C to C 3.0 Cable, User Documentation

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Key Features

DESCRIPTION

Country of Origin	Switzerland
Connectivity	USB-C to USB-C Cable
Focus Type	Advanced Autofocus
Package Contains	MX Brio, Mount Clip with Removable Adapter, USB-C to C 3.0 Cable, User Documentation
Microphone Type	Dual Beamforming
Width	98 mm
Zoom	4x Digital Zoom
Type of Product	Web Camera
Part No	MXBRO4K00PT
Height	44 mm
Weight	137 g
Lens Type	Glass
Interface	USB 3.0
Color	Graphite
Resolution	4K/30 fps, 1080p/60 fps
Image Sensor	8.5 MP Sony STARVIS
Model No	960-001548

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