



**JAGAT GURU NANAK DEV
PUNJAB STATE OPEN UNIVERSITY, PATIALA**
(Established by Act No.19 of 2019 of Legislature of the State of Punjab)

QUOTATION NOTICE

(For Quotation No. **PSOU/S&P/355** dated 20/03/2026)

Sealed Quotations are invited for Supply of following Item upto 27.03.2026 (11:00 AM) as per prescribed format given below duly signed and stamped by the vendor through registered Post/Courier/Speed post.

Sr. No	Item	Qty.	Rate per Item (inclusive of all taxes)	Total Amt.
1.	Solid State Drive	1		
2.	Hard Disk Drive	1		
3.	Headset (wired)	1		
4.	Headset (wireless)	1		
5.	Smart Phone	1		

Terms and Conditions:

1. The sealed quotations in all respects must reach to the Registrar, Jagat Guru Nanak Dev Punjab State Open University, Patiala on or before **27.03.2026 upto 11:00 AM** through registered post/Courier /Speed Post.
2. The Details specifications of said items are enclosed herewith under annexure A.
3. The bidder shall strictly abide by the time schedule given by university for delivery of the material /Items as per work order.
4. Validity of the bid is 90 days from the date of opening quotation.
5. Selected bidders are strictly prohibited for subletting the assigned work/work order.
6. Incomplete and conditional Quotation will not be accepted.
7. The Registrar, Jagat Guru Nanak Dev Punjab State Open University, Patiala reserves the right to cancel the bid without assigning any reason.
8. Copy of Pan Card & GSTN must be attached.
9. Payment shall be made in Indian rupees on Final acceptance & after verification by the specified consignees and their issue of clearance & acceptance certificates to the satisfaction of the authority.

10. If the material is not delivered on or before the due date the competent authority will have the right to deduct 2% of the total bill for every week default, no extension time will be permitted. The decision of the University shall be binding on the bidder in this regard.
11. TDS is applicable as per Income tax rules.
12. Quotations will be opened on **27.03.2026 at 01:00 PM** in the committee room of the University i.e. Jagat Guru Nanak Dev Punjab State Open University 28-C Lower Mall Patiala. The firm or its representative can attend the opening of the quotation. In case of holiday, the Quotations will be opened on next working day.
13. The rates should be F.O.R. and should include excise duty, sales tax, freight charges, GST and other taxes rates in respect of the supplies. The University shall not be liable to pay any tax, freight etc. Which has not been expressly stipulated in the quotation.
14. All disputes, differences, claims and demands arising under or pursuant to or touching the contract shall be referred to the sole arbitrator i.e, the Registrar JGND PSOU Patiala. The award of the sole arbitrator shall be final and binding on both the parties under the provisions of the Arbitration and Conciliation Act, 1996 or by statutory modification re-enactment thereof for the time being in force. Such arbitration shall be held at Patiala.


Registrar
20/3/26

Annexure A

Sr. No.	Item Name	Quantity	Specifications
1	SSD External	01	<p>General Specifications for 1 TB SSD External:</p> <p>Capacity: 1 TB (usable space typically around 931 GB due to formatting).</p> <p>Performance (Speed):</p> <p>Standard Performance: Up to 550–800 MB/s (often USB 3.1 or 3.2 Gen 1).</p> <p>High Performance: 1000–1050 MB/s (typical USB 3.2 Gen 2).</p> <p>Pro Performance: Up to 2000 MB/s (USB 3.2 Gen 2x2 or USB4).</p> <p>Interface: USB Type-C (with USB 3.2 Gen 2 protocol) is the industry standard for new portable SSDs.</p> <p>Form Factor: Compact, lightweight, and pocket-sized.</p> <p>Durability: Most feature shock resistance and, in rugged models, IP55/IP65 ratings for water and dust resistance.</p> <p>Compatibility: Windows, macOS, Android, and gaming consoles (PC/Mac-formatted as exFAT).</p> <p>Security: Frequently includes 256-bit AES hardware encryption and password protection.</p> <p>Warranty: Typically 3 to 5 years.</p> <p>Commonly Included Accessories:</p> <p>USB-C to USB-C cable.</p> <p>USB-C to USB-A adapter or cable for compatibility with older computers.</p>
2	HDD External	01	<p>General Specifications 4 TB HDD External:</p> <p>Capacity: 4 TB (Actual formatted capacity is typically around 3.6 TB to 3.7 TB due to binary/decimal calculations).</p> <p>Form Factor: 2.5-inch (for portable, pocket-sized models) or 3.5-inch (for desktop-powered, larger models).</p> <p>Interface: USB 3.0 / USB 3.2 Gen 1 (often labelled simply "USB 3.0" or "SuperSpeed USB"), providing transfer speeds up to 5 Gbps.</p> <p>Backward Compatibility: Compatible with USB 2.0 ports (though at reduced speeds).</p> <p>Rotational Speed: Typically 5400 RPM (Rotational Speed per Minute), which balances power consumption and speed, though some 3.5-inch desktop models use 7200 RPM.</p> <p>Performance and Power</p> <p>Data Transfer Speeds: Typically up to 120 Mbps to 130 Mbps, which is standard for 5400 RPM HDD technology.</p> <p>Power Source: Portable (2.5"): Bus-powered via the USB cable (no external power supply required).</p> <p>Desktop (3.5"): Usually requires an external AC power adapter/power supply.</p> <p>Compatibility and Features:</p>

			<p>File System: Frequently formatted as NTFS for Windows. Reformatting is typically required for full compatibility with Apple Time Machine (macOS).</p> <p>Compatibility: Windows 10/11, macOS 10.12 or later, and sometimes ChromeOS or Linux.</p> <p>Special Features:</p> <p>Automatic Backup: Software included (e.g., Seagate Toolkit, WD Backup).</p> <p>Encryption: Some models (e.g., WD My Passport, Seagate One Touch) include 256-bit AES hardware encryption.</p> <p>Data Recovery: Many models from premium brands include 3-year rescue data recovery services.</p> <p>Physical Attributes (Portable Models)</p> <p>Dimensions: Roughly 110–120mm (L) x 80mm (W) x 15–20mm (H).</p> <p>Weight: Approximately 200–250 grams.</p> <p>Materials: Plastic or polished aluminum enclosure.</p>
3	Headset (Wired)	01	<p>General Specifications Headset (Wired):</p> <p>Connectivity and Compatibility:</p> <p>Connector Types: Standard 3.5mm audio jack (3-pole or 4-pole/CTIA), USB-A, or USB-C.</p> <p>Cable Length: Typically ranges from 1.2 meters to 2.4 meters (approximately 4 ft to 8 ft).</p> <p>Compatibility: Widely compatible with Windows, macOS, ChromeOS, and mobile devices (via 3.5mm or USB).</p> <p>Cable Design: Tangle-free flat cables are common in earphone models, while reinforced cables are typical for gaming headsets.</p> <p>Audio Specifications</p> <p>Driver Size: Ranges from small 6mm–9mm (in-ear) to 30mm–50mm (over-ear/on-ear).</p> <p>Frequency Response: Generally covers 20Hz – 20,000Hz (human hearing range), though some models extend to 5Hz – 40,000Hz for high-res audio.</p> <p>Impedance: Low impedance (usually 16 Ohm – 32 Ohm) is common for mobile/laptop compatibility, ensuring high volume without an external amplifier.</p> <p>Sensitivity: Typically ranges from 90 dB to 120 dB SPL/mW.</p> <p>Sound Output: Stereo is the standard, with some gaming models offering 7.1 Virtual Surround Sound.</p> <p>Microphone and Controls</p> <p>Microphone Type: Boom microphone (unidirectional or bidirectional) for headsets; in-line microphone for earphones.</p> <p>Noise Cancellation: Active or passive noise reduction on the microphone is standard for office/gaming headsets.</p> <p>In-Line Controls: Integrated on the cable, offering volume adjustment, mute (sometimes flip-to-mute), and call answering.</p> <p>Mic Frequency Response: Typically 100Hz – 10,000Hz for clear voice transmission.</p>
4	Headset (Wireless)	01	<p>General Specifications Headset (Wireless):</p> <p>Connectivity</p> <p>Wireless Type: Bluetooth (typically v5.0 to v5.4).</p>

			<p>Wireless Range: Approx. 10 meters (30 ft) to 30 meters (open field). Bluetooth Profiles: A2DP (music), AVRCP (controls), HFP (calls), HSP (headset). Multipoint Connection: Ability to connect to two Bluetooth devices simultaneously. Wired Option: Often includes a 3.5mm jack or USB-C to 3.5mm cable for wired usage.</p> <p>Battery and Charging Battery Life: Usually ranges from 15 hours (earbuds) to 30–80 hours (over-ear/on-ear). Charging Method: USB Type-C is standard, with some models supporting Qi wireless charging. Quick Charge: 5–10 minutes of charging typically provides 1–3 hours of playback. Charging Time: 1.5 to 3 hours from zero to full.</p> <p>Audio Specifications Driver Type: Dynamic drivers, commonly 30mm to 40mm in size. Frequency Response: Standard is 20 Hz–20,000 Hz, with high-end models offering 4 Hz-40,000 Hz. Microphone: Built-in omnidirectional or beamforming MEMS microphones for hands-free calling. Noise Cancellation (Optional): Active Noise Cancellation (ANC) or Environmental Noise Cancellation (ENC). Impedance: Typically 32 ohms.</p>																																										
5	Smartphone	01	<p>General Specification of Smartphone (8GB RAM & 256GB Storage)</p> <table border="0"> <tr> <td>Network</td> <td>Technology</td> <td>GSM / HSPA / LTE / 5G</td> </tr> <tr> <td>2G bands</td> <td></td> <td>GSM 850 / 900 / 1800 / 1900</td> </tr> <tr> <td>3G bands</td> <td></td> <td>HSDPA 850 / 900 / 1700(AWS) / 1900 / 2100</td> </tr> <tr> <td>4G bands</td> <td></td> <td>1, 2, 3, 4, 5, 7, 8, 12, 17, 20, 26, 28, 38, 40, 41, 66</td> </tr> <tr> <td>5G bands</td> <td></td> <td>1, 3, 5, 7, 8, 20, 28, 38, 40, 41, 77, 78 SA/NSA/Sub6</td> </tr> <tr> <td>Speed</td> <td></td> <td>HSPA, LTE, 5G</td> </tr> </table> <table border="0"> <tr> <td>Body</td> <td>Dimensions</td> <td>162.3 x 78.6 x 9.1 mm (6.39 x 3.09 x 0.36 in)</td> </tr> <tr> <td></td> <td>Weight</td> <td>222 g (7.83 oz)</td> </tr> <tr> <td></td> <td>Build</td> <td>Glass front (Gorilla Glass Victus+), plastic frame, glass back</td> </tr> <tr> <td></td> <td>SIM</td> <td>Nano-SIM + Nano-SIM</td> </tr> </table> <table border="0"> <tr> <td>Display</td> <td>Type</td> <td>Super AMOLED, 120Hz, 1000 nits (HBM)</td> </tr> <tr> <td></td> <td>Size</td> <td>6.6 inches, 106.9 cm² (~83.8% screen-to-body ratio)</td> </tr> <tr> <td></td> <td>Resolution</td> <td>1080 x 2340 pixels, 19.5:9 ratio (~390 ppi density)</td> </tr> <tr> <td></td> <td>Protection</td> <td>Corning Gorilla Glass Victus+</td> </tr> </table>	Network	Technology	GSM / HSPA / LTE / 5G	2G bands		GSM 850 / 900 / 1800 / 1900	3G bands		HSDPA 850 / 900 / 1700(AWS) / 1900 / 2100	4G bands		1, 2, 3, 4, 5, 7, 8, 12, 17, 20, 26, 28, 38, 40, 41, 66	5G bands		1, 3, 5, 7, 8, 20, 28, 38, 40, 41, 77, 78 SA/NSA/Sub6	Speed		HSPA, LTE, 5G	Body	Dimensions	162.3 x 78.6 x 9.1 mm (6.39 x 3.09 x 0.36 in)		Weight	222 g (7.83 oz)		Build	Glass front (Gorilla Glass Victus+), plastic frame, glass back		SIM	Nano-SIM + Nano-SIM	Display	Type	Super AMOLED, 120Hz, 1000 nits (HBM)		Size	6.6 inches, 106.9 cm ² (~83.8% screen-to-body ratio)		Resolution	1080 x 2340 pixels, 19.5:9 ratio (~390 ppi density)		Protection	Corning Gorilla Glass Victus+
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			<p>Platform OS Android 14, upgradable to Android 16, One UI 8</p> <p>Chipset Exynos 1380 (5 nm)</p> <p>CPU Octa-core (4x2.4 GHz Cortex-A78 & 4x2.0 GHz Cortex-A55)</p> <p>GPU Mali-G68 MP5</p> <p>Memory Card slot microSDXC (uses shared SIM slot)</p> <p>Internal 256GB 8GB RAM</p> <p>Main Camera Triple 50 MP, f/1.8, (wide), 1/1.96", PDAF, OIS 8 MP, f/2.2, 123°, (ultrawide), 1/4.0", 1.12µm 2 MP (macro)</p> <p>Features LED flash, panorama, HDR</p> <p>Video 4K@30fps, 1080p@30/60fps, 720p@480fps, gyro-EIS</p> <p>Selfie camera Single 13 MP, f/2.2, (wide), 1/3.06", 1.12µm</p> <p>Video 4K@30fps, 1080p@30fps</p> <p>Sound Loudspeaker Yes, with stereo speakers</p> <p>3.5mm jack No</p> <p>Comms WLAN Wi-Fi 802.11 a/b/g/n/ac/6, dual-band, Wi-Fi Direct</p> <p>Bluetooth 5.3, A2DP, LE</p> <p>Positioning GPS, GALILEO, GLONASS, BDS, QZSS</p> <p>NFC Yes (market/region dependent)</p> <p>Radio Unspecified</p> <p>USB USB Type-C 2.0, OTG</p> <p>Features Sensors Fingerprint (side-mounted), accelerometer, gyro, compass Virtual proximity sensing</p> <p>Battery Type 6000 mAh</p> <p>Charging 25W wired</p>
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