



# JAGANNATH KISHORE COLLEGE, PURULIA

## OFFICE OF THE PRINCIPAL

PO + DISTRICT - PURULIA, PIN -723101

Website: [www.jkcpur.ac.in](http://www.jkcpur.ac.in) | Email: [jkcp.1948@gmail.com](mailto:jkcp.1948@gmail.com)

Ref No: NIT-06/JKC/2025-26

Date: 27.08.2025

### E-TENDER NOTICE

1. The Principal, J. K. College, Purulia invites **Item wise e-Tenders** for **Purchase of Computers, Projector, Smart Board, NAS and other IT Equipments** for College Administrative Office at Purulia. The tentative quantity and technical configurations of each item are provided in **Annexure-1**.
2. The tender will be processed through the Government of West Bengal e-Procurement Portal: <https://wbenders.gov.in>.
3. The tender should be submitted in **two-cover system**:
  - o **Technical Bid**
  - o **Financial Bid**
4. **Important Dates**

| Sl. No. | Milestone                    | Date                             | Time     |
|---------|------------------------------|----------------------------------|----------|
| 1       | Publishing Date              | 27.08.2025                       | 11:00 AM |
| 2       | Document Download Start Date | 27.08.2025                       | 11:30 AM |
| 3       | Bid Submission Start Date    | 27.08.2025                       | 11:30 AM |
| 4       | Bid Submission End Date      | 05.09.2025                       | 05:00 PM |
| 5       | Technical Bid Opening Date   | 08.09.2025                       | 11:00 AM |
| 6       | Financial Bid Opening Date   | After evolution of technical bid |          |

#### 5. Earnest Money Deposit (EMD):

Earnest Money of **₹10,000/-** (Rupees Ten Thousand only) is to be deposited online in favour of **“Principal, J. K. College, Purulia”** Net banking (any of the banks listed in the ICICI Bank Payment gateway) in case of payment **through ICICI Bank Payment Gateway or in Bank Draft in favour of: Principal JK College, Purulia**, IFSC Code-**IDIB000P063** A/C No-**539846803** through RTGS/NEFT/CBS system. The Package number and UTR number should be clearly mentioned on the deposit challan. Payment made otherwise will be rejected.

**only. The Package number and UTR number should be clearly mentioned on the deposit challan. Payment made otherwise will be rejected.**

. EMD of the successful bidder will be converted to a Security Deposit and refunded after 6 months of successful performance. No interest is payable on EMD.

#### 6. Eligibility Criteria:

- a) The bidder must be a technically and financially sound firm with experience in supplying similar IT equipment in Government/Semi-Government/Autonomous Bodies.

**b) The bidder must have successfully completed within the last 5 years:**

- Three similar works each  $\geq 50\%$  of the estimated cost **OR**
- Two similar works each  $\geq 60\%$  of the estimated cost **OR**
- One similar work  $\geq 80\%$  of the estimated cost.

**c) Must have valid Trade License, PAN, GST Registration, and Professional Tax Clearance Certificate.**

**d) Must submit audited balance sheet & profit-loss account for last 3 financial years (average turnover  $\geq$  ₹10 lakhs).**

**e) Must submit manufacturer's authorization certificate for the quoted items.**

**f) Must declare they are not blacklisted and no legal/CBI/EPF/ESI/IT/GST cases are pending.**

**g) Joint ventures/consortiums are not allowed.**

**7. Price:**

- Prices must be quoted **inclusive of all taxes, duties, freight, installation, and other charges** in Indian Rupees only.
- No escalation will be allowed during the contract period.

**8. Payment:**

- 100% payment after successful delivery, installation, and acceptance, subject to deduction of 10% security deposit and applicable taxes.
- Security deposit will be refunded after 12 months of satisfactory performance.

**9. Delivery Schedule:**

- Items must be delivered and installed within **15 days** of issue of Purchase Order at J. K. College, Purulia, West Bengal.

**10. Arbitration:**

- Any dispute will be referred to the sole arbitration of an officer appointed as per *Government of West Bengal norms*.

**11. Fraud and Corruption:**

- Bidders must observe the highest standard of ethics and avoid corrupt, fraudulent, collusive, coercive or obstructive practices.

**12. Award of Contract:**

- The contract will be awarded to the bidder whose bid is technically responsive and has offered the **lowest evaluated cost (L1)**. The college reserves the right to split orders or reject any or all bids without assigning reasons.

**13. Special Conditions:**

- No advance payment will be made.
- Damaged or unapproved goods will be returned at bidder's cost.
- Failure to supply within the stipulated period may result in purchase from other sources at bidder's risk.
- The bidder must provide quick backup service; in case of failure, replacement should be made within 48 hours.

**Sd/-  
Principal  
J.K.College,**

# ANNEXTURE -1

## TECHNICAL SPECIFICATIONS

|     | <i>Item</i>   | <i>Brand</i>       | <i>Description</i>   | <i>Number required</i>          |
|-----|---|--------------------|--|---------------------------------|
| 1-3 | Business Desktop Tower model (with Keyboard & Mouse, Monitor) | HP / Dell / Lenovo | <p><b>Processor:</b> Intel Core i7 (Latest Generation) / Intel Core i5 (Latest Generation) / Intel Core i3 (Latest Generation)</p> <p><b>RAM:</b> At least 16GB DDR4/DDR5</p> <p><b>Storage:</b> 512 GB - 1 TB SSD</p> <p><b>Graphics:</b> Integrated Intel graphics</p> <p><b>Network Interface:</b> Integrated 10/100/1000 GbE LAN</p> <p><b>OS Support (64 bit):</b> Windows 11 pro</p> <p><b>Input Devices:</b> Keyboard &amp; Mouse</p> <p><b>Monitor:</b></p> <p style="padding-left: 40px;"><b>Screen Size:</b> 18.5 inches (diagonal)</p> <p style="padding-left: 40px;"><b>Aspect Ratio:</b> 16:9</p> <p style="padding-left: 40px;"><b>Resolution:</b> 1366 × 768 (HD)</p> <p style="padding-left: 40px;"><b>Panel Type:</b> TN or VA (rarely IPS)</p> <p style="padding-left: 40px;"><b>Brightness:</b> 200–250 nits</p> <p style="padding-left: 40px;"><b>Contrast Ratio:</b> 600:1 to 1000:1</p> <p style="padding-left: 40px;"><b>Refresh Rate:</b> 60 Hz</p> <p style="padding-left: 40px;"><b>Response Time:</b> 5 ms to 10 ms (GTG)</p> <p style="padding-left: 40px;"><b>Viewing Angles:</b> 90°–160° (horizontal)</p> | Approximately<br><b>30 - 50</b> |

|   |                                   |                                   |  |                |
|---|-----------------------------------|-----------------------------------|--|----------------|
|   |                                   |                                   | <b>Connectivity Ports:</b> VGA (D-Sub), HDMI (rare)<br><br><b>Audio:</b> Usually, no speakers<br><br><b>Mounting :</b> VESA 100×100 mm supported<br><br><b>Power Consumption:</b> 12–20 Watts (typical)<br><br><b>Weight:</b> 2.5–3.5 kg<br><br><b>Color:</b> Black<br><br><b>Included Accessories:</b> VGA cable, power adapt   |                |
| 4 | Operating System                  | Microsoft Windows                 | As per HP / Dell Business Desktop Specification and/or Recommendation (Paper Licence)  | 30 -50         |
| 5 | NAS (With Disk)                   | Synology / Western Digital        | <b>Capable of Hardware Encryption and Transcoding</b> (i.e. H.264 (AVC), H.265 (HEVC), MPEG-2 and VC-1; maximum resolution: 4K (4096 x 2160); maximum frame rate per second (FPS): 30 etc.)<br><b>CPU:</b> Quad Core<br><b>CPU Architecture:</b> 64-bit<br><b>Memory:</b> At least 16 GB<br><b>Storage:</b><br><b>Drive Bays (should be expandable):</b> At least 8 (Compatible with 3.5” or 2.5” SATA HDD or 2.5” SATA SSD Hot Swappable capacities.<br><b>Max. internal raw capacity:</b> Support Up to 160 TB<br><b>Supported RAID Type:</b> JBOD, RAID 0, 1, 5, 6, 10<br><b>SSD Caching:</b> M.2 NVMe SSD slots (2 or more)<br><b>Network:</b> Dual 2.5 GbE or 10 GbE LAN Ports, Link Aggregation support<br><b>External Port:</b> USB 3.2 Gen 1/2, eSATA Port<br><b>File System Support:</b> Btrfs, EXT4, EXT3, FAT, NTFS, HFS+, exFAT etc.<br><b>High File Sharing Capacity, Capable of Virtualization All network supported protocol, Security, Advance Features toolsetc.</b><br><br><b>NB:</b> Advance feature should be there and must be describe for better requirement for the Institute. | 1              |
| 6 | Smart board system with projector | Those who meet the specifications | <b>A. Whiteboard Surface</b><br><b>Type:</b> Ceramic or Matte Steel Whiteboard<br><b>Size:</b> 78" diagonal (approx. 4 ft x 6 ft)<br><b>Surface Type:</b> Non-reflective, marker-friendly, anti-glare<br><b>Mounting:</b> Wall mount with aluminium frame  | Approximate 20 |

|   |        |                |  |          |
|---|--------|----------------|--|----------|
|   |        |                | <p><b>Interactive Capability:</b> Works with IR sensor or smart pen system</p> <p><b>B. Ultra Short Throw Projector</b></p> <p><b>Projection Type:</b> Ultra Short Throw (UST) or Short Throw</p> <p><b>Brightness:</b> 3,300 – 4,000 ANSI Lumens</p> <p><b>Resolution:</b> XGA (1024×768) or WXGA (1280×800) or Full HD</p> <p><b>Technology:</b> 3LCD / DLP</p> <p><b>Throw Ratio:</b> 0.3:1 or better (100" screen from ~30 cm)</p> <p><b>Input Ports:</b> 10,000 – 20,000 hours (eco mode)</p> <p><b>Mounting:</b> Wall arm mount (above whiteboard)</p> <p><b>C. Interactive System / Sensor</b></p> <p><b>Type:</b> IR-based smart sensor OR camera-based pen tracking</p> <p><b>Touch Point:</b> 1-4 point</p> <p><b>I/P Device:</b> Wireless digital pen or stylus and finger</p> <p><b>S/W Included:</b> Interactive board s/w, annotation s/w, screen capture, handwriting recognition</p> <p><b>Connectivity:</b> USB</p> <p><b>Calibration:</b> Automatic / manual via software</p> <p><b>OS Support:</b> Windows 10 or 11</p> <p><b>D. Audio System</b></p> <p>2 x 15w wall-mounted speakers or soundbar</p> <p><b>Standard Inclusions in Package:</b></p> <ul style="list-style-type: none"> <li>• Ultra short throw projector with wall mount</li> <li>• 78" matte whiteboard</li> <li>• Smart sensor/pen kit</li> <li>• Software CD / license (annotation tools)</li> <li>• Cables (HDMI, USB, power)</li> <li>• Wall mount hardware for board &amp; projector</li> <li>• Installation guide/manual</li> </ul> |          |
| 7 | Laptop | HP/Dell/Lenovo | <p><b>CPU:</b> Intel Core Ultra 7 (Series 2), with NPU up to ~48 TOPS for AI acceleration / Intel Core Ultra 5 120U (10-core)</p> <p><b>Graphics:</b> Intel integrated</p> <p><b>Memory:</b> Up to 32 GB DDR5</p> <p><b>Storage:</b> Up to 2 TB PCIeNVMe SSD</p> <p><b>Display:</b> 14" 2,560×1,600 WLED+, 120 Hz refresh rate, touch optional</p> <p><b>Battery:</b> Long live Up to ~22 hours, portable build with Windows Copilot key</p> <p><b>Target users:</b> Executives and enterprise</p>   | App. 1-3 |

|   |                   |   |   |          |
|---|-------------------|---|---|----------|
|   |                   |   | environments needing strong built-in security and AI capabilities   |          |
| 8 | Rack Mount Server | HP/Dell/ Lenovo                         | <p><b>Form Factor:</b> 1U or 2U Rackmount (depending on space and cooling)</p> <p><b>CPU:</b> Intel Xeon latest Gen (up to 144 cores)</p> <p><b>RAM:</b> 64 GB DDR4 ECC RAM (Expandable to 512 GB or 1 TB)</p> <p><b>Storage (Primary):</b> 2× 1 TB SSD (RAID 1) for OS and software</p> <p><b>Storage (Data):</b> 4× 2 TB HDD (RAID 10 or 5) for file storage, LMS data</p> <p><b>RAID Controller:</b> Hardware RAID with cache (PERC H755 / HPE Smart Array P408i)</p> <p><b>Network:</b> 2× 1GbE Ethernet + 1× 10GbE SFP+ (optional)</p> <p><b>Power Supply:</b> Dual Redundant 550W–800W PSUs</p> <p><b>Remote management:</b> iDRAC / iLO / Lenovo XClarity</p> <p><b>OS: Windows Server 2022 / Windows Server 2025</b></p> <p><b>Expansion:</b> PCIe Gen4 slots for 10GbE NIC or GPU acceleration</p> | App 1 -2 |
| 9 | Smart Board       | Samsung / BenQ / ViewSonic / LG/ Globus | <p><b>Screen Size: 86"</b> (standard sizes for education/office use)</p> <p><b>Display Type:</b> LED or DLED panel with 4K UHD resolution</p> <p><b>Resolution: 3840 × 2160 (4K)</b> for modern smart boards</p> <p><b>Touch Technology:</b> Infrared (IR), Capacitive, or Optical Touch; supports 10–40 point multi-touch</p> <p><b>Writing Technology:</b> Infrared (IR), Capacitive, or Optical Touch; supports 10–40 point multi-touch</p> <p><b>Writing Tools:</b> Stylus (usually 2 pens), finger touch; supports dual pen writing and gesture recognition</p>  |          |

|  |  |  |   |  |
|--|--|--|---|--|
|  |  |  | <p><b>OS:</b> Built-in <b>Android OS (version 11 or 13)</b>; optional Windows OPS slot (i5/i7 CPU)</p> <p><b>RAM/Storage (Android): 4–8 GB RAM, 32–128 GB Storage</b></p> <p><b>Connectivity Ports:</b> HDMI (2–3), VGA, USB-A/B/C, RJ45 LAN, Audio Out, RS232, SPDIF, Touch USB</p> <p><b>Wi-Fi:</b> Dual-band Wi-Fi + Bluetooth 5.0</p> <p><b>Built-in Features:</b> Whiteboard app, wireless screen sharing, annotation tools, file viewer, screen recording</p> <p><b>Speaker Output:</b> 2 × 15W or 20W front-facing stereo speakers</p> <p><b>Camera &amp; Mic (optional):</b> Some models include <b>4K camera</b>, beamformingmic array for conferencing</p> <p><b>S/W Support:</b> Smart classroom tools, remote management (e.g., EShare, SmartNote, etc.)</p> <p><b>Mounting Option:</b> Wall mount (standard); optional floor stand or mobile trolley</p> <p><b>Power Supply:</b> AC 100–240V, 50/60Hz (standard Indian sockets)</p> <p><b>Lifespan:</b> 30,000–50,000 hours LED panel life</p> |  |
|--|--|--|---|--|

**Sd/-**  
**Principal**  
**J.K.College, Purulia**

## **ANNEXURE - 2**

### **Proforma for Technical Bid**

|           | <b>Particulars</b>   | <b>Information</b> |
|-----------|--|--------------------|
| <b>1</b>  | <b>Name of the Firm &amp; Owner:<br/>(with Telephone/Mobile Numbers, email)</b>  |                    |
| <b>2</b>  | <b>Type of Organisation<br/>(Proprietorship/Partnership/Pvt. Ltd./Limited<br/>Company) Month/Year of Establishment</b>                                       |                    |
| <b>3</b>  | <b>Website of Bidder, if any</b>   |                    |
| <b>4</b>  | <b>Month/Year of Establishment</b>   |                    |
| <b>5</b>  | <b>PAN/Sales Tax/ GST Regd. Nos.</b>   |                    |
| <b>6</b>  | <b>Annual Turnover 2024-25</b>   |                    |
| <b>7</b>  | <b>Whether product(s) offered by the bidders are<br/>exactly as per the configuration of J. K. College.<br/>If not, indicate the changes in each product</b> |                    |
| <b>8</b>  | <b>Clientele (submit copies)</b>   |                    |
| <b>9</b>  | <b>Validity of Tender</b>  |                    |
| <b>10</b> | <b>Whether Terms &amp; Conditions issued by J. K.<br/>College are acceptable to the Firm</b>   |                    |
| <b>11</b> | <b>Whether Warranty as per the desired<br/>specification</b>   |                    |

**Signature of Owner/Authorized Representative**

**Date:**

**Name:**

**Designation:**