YADAVINDRA PUBLIC SCHOOL,PATIALA
procurement of Bambu Lab P1 series and X1 series 3D printers
Invitation for price quotations

Date: August 1, 2025

Price quotations are requested from eligible vendors for supplying and installing Bambu Lab P1 series and X1 series 3D printers, including a one-year on-site warranty, according to the technical specifications below.
Submit quotations by August 10, 2025.

1. Scope of work
The goal is to acquire Bambu Lab P1 and X1 series 3D printers, including standard and advanced models, to enhance prototyping and manufacturing capabilities.
2. Technical specifications
2.1. Bambu Lab P1 series

Feature	Specification
Printing Technology	Fused Deposition Modeling (FDM)
Build Volume (W×D×H)	256 × 256 × 256 mm³
Chassis	Steel
Shell	Printable (P1P), Enclosed (Plastic & Glass - P1S)
Hot End	All-Metal
Extruder Gears	Steel
Nozzle (Included)	0.4 mm Stainless Steel
Optional Nozzle Diameters	0.2 mm, 0.6 mm, 0.8 mm
Max Hot End Temperature	300 ℃
Filament Diameter	1.75 mm
Supported Filaments	See Bambu Lab or Bambu Lab for details
Build Plate	Included: Bambu Dual-Sided Textured PEI Plate Optional: Bambu Cool Plate, Bambu Engineering Plate, Bambu High Temperature Plate
Max Build Plate Temperature	100°C
Max Speed of Tool Head	500 mm/s

Max Acceleration of Tool Head	20 m/s²
Max Hot End Flow	Refer to Bambu Lab or Bambu Lab for details
Cooling System	Part Cooling Fan, Hot End Fan (Closed Loop Control) Optional: Auxiliary Part Cooling Fan
Sensors	Filament Run Out Sensor, Power Loss Recovery, Optional Filament Odometry with AMS, Semi-automatic Belt Tensioning with Resonance Frequency Identification, Fans with Speed Feedback, Chamber Monitoring Camera (Optional: Low Rate Camera 1280 x 720 / 0.5fps Timelapse Supported)
Physical Dimensions (P1P)	386 × 389 × 458 mm³, Net Weight: 9.65kg
Physical Dimensions (P1S)	389 × 389 × 458 mm³, Net Weight: 12.95kg
Electrical Requirements	100-240 VAC, 50/60 Hz, Max Power: 1000W@220V, 350W@110V
Electronics	Display: 2.7-inch 192x64 Screen, Connectivity: Wi-Fi, Bluetooth, Bambu-Bus, Storage: Micro SD Card, Control Interface: Button, APP, PC Application, Motion Controller: Dual-Core Cortex M4
Software	See Bambu Lab or Bambu Lab for details
Other Features	Multi-color printing capability with AMS (Automatic Material System), Direct-drive Extruder, Auto Bed Leveling (ABL), Vibration Compensation & Pressure Advance

2.2. Bambu Lab X1 series

Feature	Specification
Printing Technology	Fused Deposition Modeling (FDM)
Build Volume (W×D×H)	256 × 256 × 256 mm³
Chassis & Shell	Steel frame; Aluminum & Glass shell
Hot End	All-Metal
Nozzle (Included)	0.4 mm Hardened Steel
Max Hot End Temperature (X1 Carbon)	300 ℃
Max Hot End Temperature (X1E)	320°C (608°F)

Filament Diameter	1.75 mm
Supported Filaments (X1 Carbon)	See 3Ding for details
Supported Filaments (X1E)	See Bambu Lab for details
Build Plate	See 3Ding or Bambu Lab for details
Max Build Plate Temperature	110°C@220V, 120°C@110V
Max Speed of Tool Head	500 mm/s
Max Acceleration of Tool Head	20 m/s²
Sensors	Filament Run Out Sensor, Door Sensor (X1E), Optional Filament Odometry with AMS, Power Loss Recovery, Bambu Micro Lidar, Vibration Compensation & Extrusion Compensation
Cooling System	Part Cooling Fan, Hot End Fan, Control Board Fan (Closed Loop Control) Chamber Temperature Regulator Fan (Closed Loop Control) Auxiliary Part Cooling Fan (X1E has enhanced fans)
Air Filtration (X1 Carbon)	Activated Carbon Filter (Capable VOC Filtration, No Particulate Matter Filtration)
Air Filtration (X1E)	G3 pre-filter, H12 HEPA filter, and Coconut Shell Granulated Activated Carbon filter (Optimal VOC and Particulate Matter Filtration)
Chamber Monitoring Camera	See 3Ding for details
Display	See Bambu Lab for details
Connectivity	Wi-Fi, Bambu-Bus (X1E also has Ethernet and supports WPA2-Enterprise Authentication)
Storage	See Bambu Lab for details
Control Interface	Touch Screen, APP, PC Application
Motion Controller	Dual-Core Cortex M4
Application Processor	Quad ARM A7 1.2 GHz
Neural-Network Processing Unit	2 Tops
Software	See 3Ding or Bambu Lab for details
Other Features	Multi Color & Multi Material Capability with AMS, AI-Powered Evolution: Dual Automated Bed Leveling, AI inspected first layer, Spaghetti failure detection, Bambu Micro Lidar

3. Submission guidelines

- Provide a detailed price quotation for each P1 and X1 series model based on the specifications.
- Submit quotations electronically to
- The deadline is August 10, 2025.
- Late submissions will not be accepted.

4. Terms and conditions

- The right is reserved to accept or reject any quotation without explanation.
- Vendor selection will be based on price, technical specifications, delivery terms, and reliability.
- Quoted prices should include all applicable taxes and duties.
- Quoted prices must be valid for at least 30 days from the submission date.

5. CONTACT INFORMATION

All proposals and clarifications should be directed to:

Admin Office / Computer Department
Yadavindra Public School, Patiala
For Quotations:
Email: procurement@ypspatiala.in
For Inquiries: Email: parveen.sharma@ypspatiala.in