



**University of Calcutta  
Central Library  
87/1, College Street, Kolkata-700 073**

Tender No.: L/571/22/19-20

Date: 26/02/2020

Central Library, University of Calcutta invites sealed quotations from reputed agencies/ distributors/ suppliers for purchase of the following items for the Computer Laboratory, Central Library:

1. Plustek OpticBook A300 Plus Book Scanner – 1 number
2. FUJITSU Image Scanner fi-7160 – 1 number
3. DSLR Nikon D850 Camera – 1 number
4. Nikon SB-5000 Speedlight – 1 number
5. Power Supply Cage for IBM x3400 server – 1 number

**Delivery Period : 7 days**

Technical Specifications

**1. Plustek OpticBook A300 Plus Book Scanner**

Image Sensor	CCD
Light Source	LED
Optical Resolution	600 dpi
Scan Modes	Color: 48-bit input, 24-bit output Grayscale: 16-bit input, 8-bit output B/W: 1-bit output
Book Edge	2mm
Scanning Speed	2.48 sec (Color mode, 300dpi, A3) 2.10 sec (Grayscale/ B&W mode, 300dpi, A3)
Scanning Area (W x L)	Max. 304.8 mm x 431.8 mm (12" x 17"), A3
Daily Duty Scan ( Sheets )	5,000
Power Supply	24 Vdc/ 1.25 A
Power Consumption	< 24 W (operation), < 8 W (idle)
Interface	USB 2.0
Net Weight	7.7 Kgs (16.96 Lbs)
Dimensions (W x D x H)	623 x 400 x 140 mm (24.53" x 15.75" x 5.51")

Protocol	TWAIN Compliant, WIA
OS	Windows 7 / 8 / 10
Hardware Requirements	Intel Core i5 processor or higher DVD-ROM Drive (for installing bundled software) One available USB 2.0 Port 4 GB RAM or higher recommended (For max. A3 size high resolution scanning, allocated 20 GB Virtual Memory at least.)
Bundled Software	Plustek Book Pavilion / ABBYY FineReader 12.0 Sprint / Plustek DocTWAIN

## 2. FUJITSU Image Scanner fi-7160

Image Sensor Type	Color CCDs (Color Charge Coupled Device)		
Light Source	White LED Array		
Optical Resolution	600 dpi		
Output Resolution Color (24-bit), Grayscale (8-bit), Monochrome	50 to 600 dpi (adjustable by 1 dpi increments, 1,200 dpi)		
Output Color Depth	Color: 24-bit, Grayscale: 8-bit, Monochrome: 1-bit		
Internal Video Processing	1,024 levels (10-bit)		
Image Processing Function	Hardware	Dropout color (Red / Green / Blue), Deskew cropping	
	Software	Multi-image, Blank page skip, i-DTC, Advanced-DTC, Simplified-DTC, sRGB, Auto color, Deskew cropping, Hole Punch removal, Tab cropping, Upper lower separation, Error diffusion, Dither, Moire removal, Image Emphasis, Color cleanup, Dropout color (R,G,B, None, white, Specified, Color Saturation), Edge repair, Vertical Streaks Reduction	
Scanning Speed (A4, Portrait)	Color, Grayscale, Monochrome	ADF	Simplex: 60 ppm, Duplex: 120 ipm(200 dpi / 300 dpi)
ADF Capacity	80 Sheets (A4: 80 g/m2 or 20 lb.)		
Interface	USB 3.0 / USB 2.0 / USB 1.1 (backward compatible)		

## 3. DSLR Nikon D850 Camera

Lens mount	Nikon F mount (with AF coupling and AF contacts)
Image sensor format	FX
Image sensor type	CMOS
Sensor size	35.9 mm x 23.9 mm
Total pixels	46.89 million
File format	NEF (RAW): 12 or 14 bit
Picture Control system	Auto, Standard, Neutral, Vivid, Monochrome, Portrait, Landscape, Flat ; selected Picture Control can be modified; storage for custom Picture Controls
Media	XQD, SD, SDHC (UHS-II compliant), SDXC (UHS-II compliant)
Card slot	1 XQD card and 1 Secure Digital (SD) card Either card can be used

	for primary or backup storage or for separate storage of NEF (RAW) and JPEG images; pictures can be copied between cards.
Modes	S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release), QC (quiet continuous shutter-release), Self-timer, MUP (mirror up)
ISO sensitivity (Recommended Exposure Index)	ISO 64 to 25600 in steps of 1/3, 1/2, or 1 EV Can also be set to approx. 0.3, 0.5, 0.7, or 1 EV (ISO 32 equivalent) below ISO 64 or to approx. 0.3, 0.5, 0.7, 1, or 2 EV (ISO 102400 equivalent) above ISO 25600; auto ISO sensitivity control available
Focus point	153 153 focus points, of which 55 or 15 are available for selection
Battery	One EN-EL15a/EN-EL15* rechargeable Li-ion battery
AC adapter	EH-5c/EH-5b AC adapter; requires EP-5B power connector

#### 4. Nikon SB-5000 Speedlight

Electronic Construction	Automatic Insulated Gate Bipolar Transistor (IGBT) and series circuitry
Guide Number	34.5, /113, (ISO 100, m/ft)
Illumination pattern	There are 3 illumination patterns: standard, even, center-weighted The light distribution angle is automatically adjusted to the camera's image area in both FX and DX formats
Effective flash output distance range	0.6 m to 20 m (2 ft to 65.6 ft) (varies depending on camera's image area setting, illumination pattern, ISO sensitivity, zoom head position, and lens aperture in use)
Flash mode	i-TTL, Auto aperture flash, Non-TTL auto flash, Distance-priority manual flash, Manual flash, Repeating flash
Nikon Creative Lighting System (CLS)	A number of flash operations are available with compatible cameras: i-TTL mode, Advanced Wireless Lighting, modeling illumination, FV lock, Flash Color Information Communication, auto FP high-speed sync, AF-assist illumination for multi-point AF and unified flash control
Power source	Use 4 AA-size batteries of the same brand from any of the following types: 1.5 V LR6 (AA-size) alkaline batteries 1.2 V HR6 (AA-size) rechargeable Ni-MH batteries For minimum number of flashes and recycling time for each battery type, see F-17
Supplied Accessories	Speedlight Stand AS-22, Nikon Diffusion Dome SW-15H, Fluorescent Filter SZ-4FL, Incandescent Filter SZ-4TN, Soft Case SS-5000, Accessory pouch
Flash exposure compensation	-3.0 EV to +3.0 EV in increments of 1/3 EV steps in i-TTL, auto aperture flash, non-TTL auto flash or distance-priority manual flash mode

#### 5. Power Supply Cage for IBM x3400 server

##### Specifications

IBM FRU P/N	24R2738
IBM P/N	24R2737

**Terms and Conditions:**

1. The bidder should be the authorized distributor/ agency/ dealer / supplier.
2. The bidder should have at least three years' experience in supplying in any government / semi-government / academic institute.
3. The selected agency shall supply the required items within 7 (seven) days from the date of placing the supply order.
5. **Price should be quoted inclusive of all taxes including delivery, installation, and any other charges.**
6. No advance payment will be made.
7. Photocopy of valid trade license, P-tax, PAN card, GST registration certificate, credentials and other relevant documents are to be submitted with the sealed quotation.
8. The University reserves the right to accept or reject any bid and to cancel the bidding processes and reject all bids at any time prior to the issuance of work order without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders.

**Quotations should be submitted in a sealed envelope addressed to the University Librarian, Central Library, University of Calcutta, 87/1 College Street, Kolkata - 700073 within 6 March 2020, 4 pm. Received quotations will be opened at 5 pm on the same day, i.e., 6 March 2020. Interested bidders or their authorised representatives may remain present at the time of opening the bid at the Office of the University Librarian, Central Library, University of Calcutta, 87/1 College Street, Kolkata - 700073.**



University Librarian  
University of Calcutta