

Computer file - P 132009

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
DEPARTMENT OF ANATOMY
Ansari Nagar, New Delhi-110029

RE/ 01/Anat/Store/15-16

Dated :-04/06/2015

Dear M/s,

A short rate enquiry is hereby floated/invited for the following item required by Department of Anatomy, AIIMS , New Delhi-110029.

S.No.	Name of Items
01 *	1U Firewall with accessories
02	1 TB 2.5" SAS/SSD Drive
03	2 TB 2.5" SAS/SSD Drive
04	300 GB 2.5" SAS/SSD Drive
05	Broadcom SFP+ transceivers 300 M 10 G
06	Full HD 1080p Wireless Streaming (USB 3, HDMI, 4K Display, Bluetooth & HD Audio)
07 *	High end Graphics Display Card with Accessories.
08	3 KVA On-Line UPS (IPC Make with Authorized certificate)
09	Network Module for Cisco 3750x Switch (10G SFP+)
10	MM Fiber Module (CISCO 3750 Transceivers) 300 M 10G
11	Video mixer, digital watermarking & LAN Class Room Software
12 *	1 U Rack Mounted Storage
13	1G SFP PCIe Network Adapter
14	Networked Video Recorder (NVR) software with Analytics (50 Camera) etc.,
15	HD Web PTZ Camera with Accessories
16 *	HD LED TV 32" with accessories
17	Broadcom SFP transceivers 300 M 1 G (MM)
18	10G SFP+ PCIe Network Adapter
19	On-Line UPS 5 KVA (Replacement)
20 *	1U Data Backup Server
21	Rack Mount 15 port KVM Switch with accessories
22	Full HD USB Camera with Accessories
23 *	DSLR Camera with Lenses & Accessories

Firm submit the following:

1. Firm should submit price Reasonable Certificate
2. Firm should submit the under taking on the letter that the firm has not been black listed
3. Firm should submit the under taking on the letter that the firm has no vigilance case pending against Supply /firm

Terms & Conditions:

- The quotations should be submitted to the Professor & Head, Department of Anatomy, Room No. 1010, AIIMS, New Delhi-29 and sent by post/per bearer by 20, June , 2015 up to 12.00 P.M. Quotation should be sealed in an envelope and the "name of the item" clearly written on top of the envelop.
- The make of the article offered should invariably be quoted. Quotation should be typed written in ink. All overwriting and erased entries will be deleted from the quotation. The rates should be valid for at least THREE MONTHS.
- VAT/Sales tax or any other kind of tax(s) must be separately mentioned against each item. In case no sales tax is chargeable, prices must be quoted as NET.
- Warranty/Guarantee: 1 year comprehensive warranty.
- Installation: The firm install the equipment on the site, free of cost
- The firm should be able to give demonstration of the item if required within 5 days of requisition.
- The firm must supply the item within 20 days after confirmation of order.

- The successful bidder has to submit performances bank guarantee of 10% of the order value valid upto warranty period.
- The payment will be made electronically viz RTGS/NEFT against delivery and satisfactory installation of the item. The following information should be also mentioned in the quotation.
- Name of the beneficiary:
- Account No. of the beneficiary:
- IFCS code of the bank/branch:
- The quantity can be increased or decreased to any extent depending upon the actual requirement.
- The Professor & Head of the Department reserves the right to cancel/reject full or any part of the rate enquiry which generally do not fulfil the conditions stipulated in the rate enquiry.
- Payment will be made after receiving the items in good condition and satisfactory installation.
- No extra transportation charge will be given to the firm.
- The firm must supply the items within the date mentioned on the supply order copy.

Thanking you

Renu Dhingra
(Dr. Renu Dhingra)
Prof & Incharge store, Anatomy
Dr. Renu Dhingra
Professor
Department of Anatomy
All India Institute of Medical Sciences
New Delhi-29

* Enclosed (Technical Specification in separate page)

Computer facility: With request for uploading the same in AIIMS websites for the period of 10 Days.

Technical Specification :

Item No 1 1U Firewall with accessories

- LINUX Firewall (IPTABLE, Firewall, Multiple ISP Filter & Web Filter, DHCP, Ports Forwarding, etc)
- Processor,
- minimum 3 Hot-swappable SAS
- 16 GB RAM (8x2 GB), DDR3
- Expansion Slots (2 x PCIe)
- RJ45 (minimum 2 slot)
- Storage Controller RAID Controller
- Remote Management
- Rack Rail Kit
- Full configuration form 1 U
- Redundant Power Supply
- Warranty Onsite

Item No 7 High end Graphics Display Card with Accessories

- Minimum 2 GB VRAM
- VGA/ DVI & HDMI Display Port
- High end Graphics

Item No 12 1 U Rack Mounted Storage

- Processor 2.0 Ghz Speed 16M L3 , Turbo Core, or higher
- minimum 8 Core Processor
- minimum 4 Hot-swappable SAS
- 16 GB RAM , DDR3
- Storage Controller RAID Controller
- Expansion Slots (2 x PCIe)
- RJ45 (minimum 2 slot)
- Remote Management
- Chassis Rack Mountable
- Rack Rail Kit
- Systems Fan
- Full configuration form 1 U
- Redundant Power Supply
- LINUX Server data store
- Warranty Onsite

Item No 16 HD LED TV 32" with accessories

- Display Screen Size (cm) 81.28 cm
- Resolution 1920 x 1080
- Clear Motion Rate 100
- Dynamic Contrast Ratio
- Mega Contrast
- Wide Color Enhancer
- Film Mode
- Audio
- DTS Studio Sound / DTS+ DTS Studio Sound
- DTS Premium Sound / DTS Premium Sound 5.1
- Auto Volume Leveler
- Sound Output (RMS)10 watts x 2
- Speaker Type Down Firing + Full Range
- Connectivity
- HDMI 3
- USB 2
- Component In (Y/Pb/Pr) 1
- Composite In (AV) 1 (Common Use for Component Y)
- Audio Out (Mini Jack)
- Digital Audio Out 1
- RF In (Terrestrial / Cable input) RF In (Terrestrial/Cable input/Satellite Input)



Item No 20 1U Data Backup Server

- Processor (AMD/ Intel) 16M L3 , Turbo Core
- Minimum 8 Core Processor
- minimum 4 Hot-swappable SAS
- 16 GB RAM , 1600 Mhz DDR3
- minimum 6 DIMM Memory Slots
- Supports Advance ECC
- Storage Controller RAID Controller
- Expansion Slots (2 x PCIe, etc)
- RJ45 (minimum 2 slot)
- Remote Management
- Chassis Rack Mountable
- Rack Rail Kit
- Full configuration form 1 U
- Redundant Power Supply
- LINUX server Auto Backup & LDAP directory service, etc
- Warranty Onsite

Item No 23 DSLR Camera with Lenses & Accessories

- Type : Single-lens reflex digital camera
- Lens mount :F mount, (with AF coupling and AF contacts)
- Image sensor format : FX
- Image sensor type : CMOS
- Sensor size : 35.9mm, x24.0mm
- Total pixels : 24.93million
- Dust-reduction system : Image sensor cleaning, Image Dust Off reference data
- Effective pixels : 24.3million
- Image size (pixels) : FX (36x24) image area, (L)6016, x4016, (M)4512, x3008, (S)3008, x2008, 1.2x (30x20) image area, (L)5008, x3336, (M)3752, x2504, (S)2504, x1664, DX (24x16) image area, (L)3936, x2624, (M)2944, x1968, (S)1968, x1312, FX-format photographs taken in movie live view, (L)6016, x3376, (M)4512, x2528, (S)3008, x1688, DX-format photographs taken in movie live view, (L)3936, x2224, (M)2944, x1664, (S)1968, x1112, Note: Photographs taken in movie live view have an aspect ratio of 16 : 9. The camera offers a choice of DX- and FX-based formats.
- File format : NEF (RAW): 12 or 14 bit, lossless compressed or compressed, JPEG: JPEG-Baseline compliant with fine (approx. 1 : 4), normal (approx. 1 : 8), or basic (approx. 1 : 16) compression (Size priority); Optimal quality compression available, NEF (RAW)+JPEG: Single photograph recorded in both NEF (RAW) and JPEG formats
- Picture Control system : Standard, Neutral, Vivid, Monochrome, Portrait, Landscape, Flat, ; selected Picture Control can be modified; storage for custom Picture Controls
- Media : SD, SDHC (UHS-I compliant), SDXC (UHS-I compliant)
- Card slot : Double slot: Slot 2 can be used for overflow or backup storage or for separate storage of copies created using NEF+JPEG; pictures can be copied between cards.
- File system : DCF 2.0, DPOF, Exif 2.3, PictBridge
- Viewfinder : Eye-level pentaprism single-lens reflex viewfinder
- Frame coverage : FX (36x24): Approx. 100% horizontal and 100% vertical, 1.2x (30x20): Approx. 97% horizontal and 97% vertical, DX (24x16): Approx. 97% horizontal and 97% vertical
- Magnification : Approx. 0.7x (50 mm f/1.4 lens at infinity, $-1.0m^{\sup(-1)}$)
- Eyepoint : 21 mm ($-1.0 m^{\sup(-1)}$); from center surface of viewfinder eyepiece lens)
- Diopter adjustment : $-3 - +1m^{\sup(-1)}$
- Focusing screen : Type B BriteView Clear Matte Mark III screen with AF area brackets (framing grid can be displayed)
- Reflex mirror : Quick-return type
- Depth-of-field preview : Yes, Pressing Pv button stops lens aperture down to value selected by user (A and M modes) or by camera (other modes)
- Lens aperture : Instant return, electronically controlled
- Compatible lenses : Compatible with AF lenses, including type G, E, and D lenses (some restrictions apply to PC lenses) and DX lenses (using DX 24 x 16 1.5x image area), AI-P lenses, and non-CPU AI lenses (A and M modes only). IX lenses, lenses for the F3AF, and non-AI lenses can not be used. The electronic rangefinder can be used with lenses that have a maximum aperture of f/5.6 or faster (the electronic rangefinder supports the 11 focus points with lenses that have a maximum aperture of f/8 or faster).
- Type : Electronically-controlled vertical-travel focal-plane shutter
- Speed : 1/4000-, 30s, in steps of 1/3 or 1/2 EV, bulb, time, X200
- Flash sync speed : X-, 1/200s, ; synchronizes with shutter at 1/250 s or slower (flash range drops at speeds between 1/200 and 1/250 s)
- Modes : S (single frame), CL (continuous low speed), CH (continuous high speed), Q (quiet shutter-release), Self-timer, MUP (mirror up), Qc (quiet continuous shutter-release)
- Frame advance rate : Approx.6fps, 1-6 fps (CL), 6.5 fps (CH), or 3 fps (Qc)

- Self-timer : 2 s, 5 s, 10 s, 20 s; 1–9 exposures at intervals of 0.5, 1, 2, or 3 s
- Remote release modes : Delayed remote, quick-response remote, remote mirror-up (ML-L3)
- Metering system : TTL exposure metering using RGB sensor with approximately 91K (91,000) pixels
- Range : (ISO 100, f/1.4 lens, 20 {deg}C/68 {deg}F) Matrix, center-weighted, or highlight-weighted metering: 0–20 EV Spot metering: 2–20 EV
- Exposure meter coupling : CPU, AI
- Mode : Auto modes (auto; auto (flash off)); scene modes (portrait; landscape; child; sports; close up; night portrait; night landscape; party/indoor; beach/snow; sunset; dusk/dawn; pet portrait; candlelight; blossom; autumn colors; food); special effects modes (night vision; color sketch; miniature effect; selective color; silhouette; high key; low key); programmed auto with flexible program (P); shutter-priority auto (S); aperture-priority auto (A); manual (M); U1 (user settings 1); U2 (user settings 2)
- Exposure compensation : Can be adjusted by –5 – +5EV, in steps of 1/3 or 1/2EV, in P, S, A, M, SCENE, and night vision modes
- Exposure bracketing : 2 – 9 frames, in steps of 1/3, 1/2, 2/3, or 1EV, 2–5 frames in steps of 2 or 3 EV
- Exposure lock : Luminosity locked at detected value with AE-L/AF-L button
- ISO sensitivity (Recommended Exposure Index) : ISO100–, 12800, in steps of 1/3 or 1/2EV, Can also be set to approx. 0.3, 0.5, 0.7, or 1 EV (ISO 50 equivalent) below ISO 100 or to approx. 0.3, 0.5, 0.7, 1, or 2 EV (ISO 51200 equivalent) above ISO 12800; auto ISO sensitivity control available
- Active D-Lighting : Auto, Extra high, High, Normal, Low, Off
- ADL bracketing : 2 frames using selected value for one frame or 3–5 frames using preset values for all frames
- Autofocus system : Nikon Advanced Multi-CAM 3500 II autofocus sensor module with TTL phase detection, fine-tuning, 51 focus points (including 15 cross-type sensors; f/8 supported by 11 sensors), and AF-assist illuminator (range approx. 0.5–3 m/1 ft 8 in.–9 ft 10 in.
- Detection range : –3 – +19 EV (ISO 100, 20 {deg}C/68 {deg}F)
- Lens servo : Single-servo AF (AF-S), Continuous-servo AF (AF-C), Auto AF-S/AF-C selection (AF-A), ; predictive focus tracking activated automatically according to subject status, Manual focus (M); Electronic rangefinder can be used
- Focus point : 51, Can be selected from 51 or 11 focus points
- AF-area mode : Single-point AF; 9-, 21-, or 51-point dynamic-area AF, 3D-tracking, group-area AF, auto-area AF
- Focus lock : Focus can be locked by pressing shutter-release button halfway (single-servo AF) or by pressing AE-L/AF-L button
- Built-in flash : Auto, portrait, child, close up, night portrait, party/indoor, pet portrait, color sketch: Auto flash with auto pop-up P, S, A, M, food: Manual pop-up with button release
- Guide number : Approx. 12/39, 12/39 with manual flash (m/ft, ISO 100, 20 {deg}C/68 {deg}F)
- Control : TTL: i-TTL flash control using RGB sensor with approximately 91K (91,000) pixels is available with built-in flash; i-TTL balanced fill-flash for digital SLR is used with matrix, center-weighted, and highlight-weighted metering, standard i-TTL flash for digital SLR with spot metering
- Mode : Auto, auto with red-eye reduction, auto slow sync, auto slow sync with red-eye reduction, fill-flash, red-eye reduction, slow sync, slow sync with red-eye reduction, rear-curtain with slow sync, rear-curtain sync, off; Auto FP High-Speed Sync supported
- Flash compensation : –3 – +1 EV in steps of 1/3 or 1/2 EV
- Flash bracketing : 2 – 9 frames in steps of 1/3, 1/2, 2/3, or 1 EV, 2–5 frames in steps of 2 or 3 EV
- Flash-ready indicator : Lights when built-in flash or optional flash unit is fully charged; blinks after flash is fired at full output
- Accessory shoe : ISO 518 hot-shoe with sync and data contacts and safety lock
- Sync terminal : AS-15 sync terminal adapter (available separately)
- White balance : Auto (2 types), incandescent, fluorescent (7 types), direct sunlight, flash, cloudy, shade, preset manual (up to 6 values can be stored, spot white balance measurement available during live view), choose color temperature (2500 K–10000 K), all with fine-tuning
- White balance bracketing : 2–3 frames in steps of 1, 2, or 3
- Live view shooting : Live view photography (still images), Movie live view (movies)
- Lens servo : Autofocus (AF): Single-servo AF (AF-S); full-time servo AF (AF-F) Manual focus (M)
- AF-area mode : Face-priority AF, Wide-area AF, Normal-area AF, Subject-tracking AF
- Autofocus : Contrast-detect AF anywhere in frame (camera selects focus point automatically when face-priority AF or subject-tracking AF is selected)
- Metering : TTL exposure metering using main image sensor
- Frame size (pixels) and frame rate : 1920 x 1080; 60 p (progressive), 50 p, 30 p, 25 p, 24 p 1280 x 720; 60 p, 50 p Actual frame rates for 60 p, 50 p, 30 p, 25 p, and 24 p are 59.94, 50, 29.97, 25, and 23.976 fps respectively; options support both high and normal image quality
- File format : MOV
- Video compression : H.264/MPEG-4 Advanced Video Coding
- Audio recording format : Linear PCM
- Audio recording device : Built-in or external stereo microphone; sensitivity adjustable
- Other options : Index marking, time-lapse photography
- Monitor size : 8cm (3.2-in.) diagonal
- Monitor type : low-temperature polysilicon tilting TFT LCD with approx. 170 {deg} viewing angle, approx. 100% frame coverage, and brightness and angle adjustment
- Monitor resolution : Approx.1229k-dot, (VGA; 640 x RGBW x 480 = 1,228,800 dots)
- Playback : Full-frame and thumbnail (4, 9, or 72 images or calendar) playback with playback zoom, movie playback, photo and/or movie slide shows, histogram display, highlights, photo information, location data display, and auto image rotation
- USB connector : Hi-Speed USB, ; connection to built-in USB port is recommended
- HDMI output connector : Type C HDMI connector
- Audio input : Stereo mini-pin jack (3.5 mm diameter; plug-in power supported)
- Audio output : Stereo mini-pin jack (3.5 mm diameter)
- Accessory terminal : Wireless remote controllers: WR-1, WR-R10 Remote cord: MC-DC2 (available separately) GPS unit: GP-1/GP-1A
- Standards : IEEE 802.11b, IEEE 802.11g
- Communications protocols : IEEE 802.11b: DSSS/CCK IEEE 802.11g: OFDM
- Range (line of sight) : Approximately 30 m/98 ft (assumes no interference; range may vary with signal strength and presence or absence of obstacles)

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- Data rate : 54 Mbps Maximum logical data rates according to IEEE standard. Actual rates may differ.
- Security : Authentication: Open system, WPA2-PSK Encryption: AES
- Wireless setup : Supports WPS
- Battery : One EN-EL15 rechargeable Li-ion battery
- Battery pack : Optional MB-D16 multi-power battery pack with one Nikon EN-EL15 rechargeable Li-ion battery or six AA alkaline, Ni-MH, or lithium batteries
- AC adapter : EH-5b AC adapter; requires EP-5B power connector (available separately)
- Tripod socket : 1/4-in. (ISO 1222)
- Dimensions (W x H x D) : Approx.140.5, x113, x78mm (5.6, x4.5, x3.1in.)
- Weight : Approx.840g (1 lb 13.7 oz), with battery and memory card but without body cap; approx. 750 g (1 lb 10.5 oz; camera body only)
- Operating environment : Temperature: 0 {deg}C–40 {deg}C (+32 {deg}F–104 {deg}F) Humidity: 85% or less (no condensation)

- Lens Construction (Elements/Groups) : 14/12 (1 ED glass, 1 Nano Crystal Coat-deposited lens elements)
- Picture Angle with 35mm (135) format : 23°20'
- Picture Angle with DX Format : 15°20'
- Minimum f/stop : 32
- Closest focusing distance : 0.314m
- Maximum reproduction ratio : 1/1
- Filter Attachment Size : 62mm
- Lens Cap : Snap-on
- Lens Hood : HB-38
- Lens Case : CL-1020
- Dimensions (approx.) (from the camera's lens mounting flange) : 83 x 116mm
- Weight (approx.) : 790g

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