

**CIVIL ENGINEERING DEPARTMENT**  
**INDIAN INSTITUTE OF TECHNOLOGY DELHI, HAUZ KHAS, NEW DELHI 110016**

**NOTICE INVITING QUOTATIONS**

**Dated: 23/12/2016**

Sealed tender offers are invited in two bid format (Technical Bid & Commercial Bid) in Indian Rupee (INR) from eligible and experienced OEM (Original Equipment Manufacturer) OR OEM Authorized Dealer for **supply and upgradation of CCTV Full HD Cameras (IP & PoE) for an Existing CCTV System (IP & PoE Cameras and NVR based)** conforming to technical specifications (on Page 2) and prescribed terms & conditions (on page 3) as given hereunder.

The Quotations should be addressed to **Prof. J. T. Shahu** and submitted in Office of **Civil Engineering Department, Block IV, I.I.T. Delhi, Hauz Khas, New Delhi 110016** latest **by 4:00 PM on 30<sup>th</sup> December 2016**.

**Quantity Required**

Dome Cameras: 6 (Six)

Bullet Cameras: 2 (Two)

Total: 8 (Eight)

**Important Note:** This tender is only for replacing old CCTV Cameras (IP & PoE) of an existing CCTV System with new CCTV Full HD Cameras (IP & PoE). Please **ONLY** quote for CCTV Cameras and **DO NOT** quote for other items like NVR, PoE Switch, and Ethernet Cable etc.

S. No.	Technical Specifications for CCTV Cameras	
1.	Supported NVR (Make and Model of NVR of Existing CCTV System) Most Important: Quoted CCTV Cameras should be fully compatible to this make and model of NVR.	NUUO NS-2040 (Please check existing NVR details here <a href="http://www.nuuo.com/ProductNode.php?node=13#4">http://www.nuuo.com/ProductNode.php?node=13#4</a> )
2.	Image Sensor	1/3" Progressive Scan CMOS
3.	Min. Illumination	0.01 Lux @ (F1.2,AGCON), 0 Lux with IR
4.	Shutter time	1/3 s to 1/10,000 s
5.	Slow shutter	Supported
6.	Lens	Fixed Lens Dome Cameras: 2.8mm Bullet Cameras: 4mm
7.	Day & Night Switch	IR cut filter with auto switch
8.	Digital Noise Reduction	3D DNR
9.	Video Image Resolution	5 Megapixels, 2560 x 1920
10.	Image Enhancement	Saturation, Brightness, Contrast adjustable by client Software or web browser, Mirror, BLC, ROI, Dual Stream, Anti-Flicker, Privacy Mask, DWDR
11.	Day/Night Switch	Auto/Schedule/Triggered by Alarm In
12.	Image Control	Rotate Mode, Saturation, Brightness, Contrast, Sharpness , digital zoom and configure through web or software
13.	Video Compression	H.264/MJPEG
14.	Video Bit Rate	256 Kbps to 16Mbps
15.	Support	ONVIF, PSIA, CGI, ISAPI
16.	Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
17.	Alarm Trigger	Line Crossing, Intrusion Detection, Motion Detection, Dynamic Analysis, Tampering Alarm, Network Disconnect , IP Address Conflict
18.	Network Storage	Up to 8 NAS Storage
19.	Function	IP address filtering, Anonymous access, heartbeat, mirror, password protection, privacy mask, Watermark etc.
20.	Ethernet interface	1 RJ45 10Mbps/100Mbps Ethernet interface
21.	Weather Proof	IP 66
22.	Power Consumption	Max. 12 W with IR cut filter on
23.	Power Supply	12Volts DC $\pm$ 25%, PoE (802.3af Class3)
24.	Operating Conditions	Temperature Range: -30 °C to 60 °C (-22 °F to 140 °F) Humidity: 95% or less
25.	IR Type & IR Range	Dome Cameras: Up to 30meters with single array LED. Bullet Camera: Up to 50meters with multiple array LEDs
26.	Certifications	UL, FCC and CE

**Terms and Conditions:-**

1. The **Technical Bid** with detailed specifications, compliance sheet and **Commercial Bid** should be in **two separate sealed envelopes**, put into one larger envelope. All envelopes should bear the title of the item quoted and the content, failing which the quotation shall be rejected.
2. Please enclose brochure cum data sheets from the OEM for the specifications of the item quoted, without this quotation will be rejected.
3. In case of dealer a Certificate from OEM to be attached for authenticity of Dealership/Agency. Quotations without authorized dealership certificate will be rejected.
4. Special discount/rebate wherever admissible keeping in view that the supply is being made for Educational purpose in respect of Public Institution of national importance may please be indicated.
5. Taxes, Terms and Conditions and delivery period should be clearly mentioned.
6. Validity of the quotation should be at least 60 days from the last date of submission of bids.

**The Institute/Purchase Committee has the right to accept or reject any bid or all quotations without assigning any reasons whatsoever.**

**(Prof. J.T. Shahu)**