



# National Law University Odisha

(established by Odisha Act IV of 2008)

Accredited with grade 'A' by NAAC

10

## QUOTATION CALL NOTICE

No. NLUO/ACAD/17453 /2021

Dt. 06/12/2021

The Registrar, National Law University Odisha, Cuttack invites sealed item rate quotations for the following work.

**Name of the Work: "Enquiry of quotation for implementation (supply, install and commissioning) of IP Surveillance System at NLUO, Cuttack."**

Paper Cost	₹.500.00
EMD	₹.5,000.00
Last date & time of receipt of Quotation	15/12/2021 at 14.30 PM
Date & time of opening of Quotation	15/12/2021 at 15.00 PM

Quotation documents containing Eligibility Criteria, Terms and Condition can be obtained from the Office of The Registrar, National Law University Odisha, Cuttack on all working days from 10.00 AM to 05.00 PM by the payment of Paper Cost (Non-refundable) in the shape of Demand Draft from any scheduled Bank in favour of *REGISTRAR, National Law University Odisha* payable at *Cuttack* or can be downloaded from Institute website [www.nluo.ac.in](http://www.nluo.ac.in) up to schedule date and time.

Intending eligible bidders must enclose PRE QUALIFICATION documents i.e. self-attested true copies of original documents, (i) GST Registration,(ii) PAN,(iii) Registration certificate,(iv) similar experience of work along- with paper cost(for documents downloaded from website) & EMD from any scheduled Bank in favour of REGISTRAR, NLUO payable at Cuttack in a sealed ENVELOPE and must be super-scribed with Name of the Work: **"Enquiry of quotation for implementation (supply, install and commissioning) of IP Surveillance System at NLUO, Cuttack."** and to be addressed to "The Registrar, National Law University Odisha, Kathajodi Campus, SEC - 13, CDA, Cuttack – 753015". The Sealed quotation should be dropped at bid box kept at *Reception area of Administrative Block* or can be sent through Speed Post/Registered Post only on or before scheduled date & time. The quotation received beyond scheduled date & time because of any reason will not be acceptable at any circumstances. NLUO will not be responsible for any delay. Correction/overwriting must be avoided.

In the absence of Pre Qualification documents duly stamped & signed by the bidder /paper cost/EMD/copy of quotation call notice duly stamped & signed by the bidder in each & every page/contact no. & address of bidder on the envelope/incomplete price bid will be rejected.

The institute reserves the right to reject any/all prospective application at any time without assigning any reason thereof.

### THE QUOTATIONS SHOULD SATISFY THE FOLLOWING TERMS AND CONDITIONS:

1. The rate quoted should be valid till three month. If the rate is valid for any specific

- period the same may be mentioned.
2. Rate should be quoted for delivery and onsite support during the Guarantee and Warranty period F.O.R./destination, i.e. National Law University, Odisha, CDA, SEC-13, Cuttack-753015 (Odisha).
  3. Supplier/vendor should be able to supply and Install the articles in Table-A, within 7 working days of supply order.
  4. Complete quotation with specifications (Make/Model) of the articles rate, quantity, amount etc. should given in the quotation.
  5. Price once quoted are final, Inquires regarding rate will not be entertained.
  6. There should be no cutting, overwriting etc, in the rates in the quotations. Quotations with overwriting, cutting etc are liable to be rejected.
  7. Comprehensive Original Equipment Manufacturers(OEM's) onsite after sales warranty and support shall be applicable to the supplied goods for a period of one years from the date of acceptance.
  8. The bidder has to submit ink-signed Original Equipment Manufacturers(OEM's) authorization (in OEM's letter head) along with the bid in the format attached in ANNEXURE - IV, with a commitment from OEM to provide after sales warranty and support.
  9. In case the partner failed to resolve the technical issue of the IP surveillance system, OEM should be responsible and resolve the issue.
  10. Preference will be given to the brand whose OEM's office / Service centre is in Cuttack or Bhubaneswar.
  11. Compliance chart should be clearly attached along with the bid. Supply the Technical datasheet also. Compliance chart must match with the Technical Datasheet (ANNEXURE - III).
  12. Quantity may vary as per actual requirement at the time of order/Installation.
  13. Quotations not complying with the above conditions are liable to be rejected. The authority reserves the right to impose any other condition as deemed necessary in dealing the subject.
  14. In view of the wide publicity the details are also available in our website ([www.nluo.ac.in](http://www.nluo.ac.in)), may be seen.
  15. Security deposit - 3% of the tender/contract value will be deducted from the bill and will be kept till the completion of warranty period plus one additional month. The supplier may opt to furnish Bank Guarantee of FDR equal to the sum in lieu of it.
  16. Payment will be made after satisfactory completion of supply, testing and receipt of bill in triplicate.
  17. Preference will be given to the firm, if Manufacture/ Sole distributor/Channel partner.
  18. May feel free to contact on Ph. +91 671 2338005, E-mail: [itsupport@nluo.ac.in](mailto:itsupport@nluo.ac.in).
  19. The Vice – Chancellor, NLUO, Cuttack reserves to herself/himself the right to accept or reject any or all the quotations either in part or in full without assigning any reason thereof.
  20. All disputes including Court Proceedings shall be settled within the Cuttack Jurisdiction only.

Sd/-  
Registrar

Registrar

**ANNEXURE-I**

**FORM FOR DETAILED INFORMATION BY BIDDER**

Name of Firm/Contractor/Supplier	:
Complete Address for Communication	:
Name of Proprietor/Partner/Managing Director/Director	:
Phone Number	:
Mobile Number	:
E-Mail ID	:
Name and address of Office in/around Cuttack/Bhubaneswar (Enclose address proof)	:
Whether the firm is a registered Firm (Yes/No. Attach Copy of Certificate)	:
PAN Number. (enclose the attested copy of PAN Card)	:
GST Number (enclose the attested copy of GSTN Certificate)	:
Whether the firm has deposited Earnest Money Deposit (EMD).	:
Details of paper cost	:
Details of EMD	:
Any other information, if necessary.	:

(Authorized Signature of the Bidder with Seal)

ANNEXURE-II

PRICE - SCHEDULE

Name of the work: "Enquiry of quotation for implementation (supply, install and commissioning) of IP Surveillance System at NLUO, Cuttack."

Sl. No.	Item Description	Make and Model	Unit Price	QTY	Total Price
01	Day & night HD Network IR Bullet Camera, <u>Minimum 30 mtr coverage</u> , PoE enabled. <i>Detail specification as per attached datasheet (ANNEXURE - 1).</i> [Camera Should compatible with existing Dahua DH-NVR4832-4K NVR]			10	
	Day & night HD Network IR Bullet Camera, <u>Minimum 50 mtr coverage</u> , PoE enabled. <i>Detail specification as per attached datasheet (ANNEXURE - 1).</i> [Camera Should compatible with existing Dahua DH-NVR4832-4K NVR]			05	
02	Network Video Recorder, 32 channel, HDD-4TB * 4 (Seagate ST4000VM000) <i>Detail specification as per attached datasheet (ANNEXURE - 1).</i> [The NVR should compatible with existing Dahua IP camera]			01	
03	Network Switch, 8-port Giga PoE enabled, Minimum 120 watt [Should support all type of PoE enabled devices, i.e. IP camera as well as Wireless Access Points]			06	
04	Accessories with description (if any)				
05	Miscellaneous charge if any				

Grand Total (in word) .....

\*In case of ambiguity in rate quoted & amount mentioned, lowest among them will only be considered.

No. of Corrections :

No. of Over writings:

**NOTE:-** Bidders are required to quote against each item legibly and arrive at the total cost of work. All pages should be duly signed by the bidder failing which the bid may be rejected.

SIGNATURE OF BIDDER WITH STAMP

## ANNEXURE - 1

## Technical Compliance Statement

A			
Bullet IR Network Camera (Minimum 30 mtr coverage)			
Sl.No.	Description	Technical Parameters	Compliance (Y/N)
1	Sensor	8MP, 1/2.7" CMOS image sensor, low illuminance, high image definition	
2	pixel	3840 (H) × 2160 (V)	
3	Video Compression	H.265; H.264; H.264B; MJPEG. , high compression rate, ultra-low bit rate	
4	Frame Rate	Main stream:3840 × 2160 (1 fps–15 fps),2688 × 1520 (1 fps–25/30 fps) Sub stream:704 × 576 (1 fps–25 fps),704 × 480 (1 fps–30 fps)	
5	Lens	Fixed-focal,Max Apature : 3.6mm,6mm,8mm with 2.0,Fixed Iris control Close Focus : 3.6 mm: 0.8 m (2.6 ft),6 mm: 2.2 m (7.2 ft), 8 mm: 3.5 m (11.5 ft)	
6	Privacy Masking	4 areas	
7	IR Distance	Built-in IR LED, max IR distance: 30 m	
8	Minimum Illumination	0.009 Lux @F2,0	
9	ICR	Auto (ICR)/Color/B/W	
10	Video Streaming	Main Stream:1920 × 1080 (1 fps–25/30 fps) Sub stream:704 × 576 (1 fps–25 fps),704 × 480 (1 fps–30 fps)	
11	Corridor Mode		
12	Backlight	camera must provides clear details in the environment of strong brightness contrast. The bright and dark area Should get clear video even in high brightness environment or with backlight shadow with Wide dynamic Rnge(WDR) technology.	
13	Noise reduction	3D DNR	
14	Motion detection	OFF/ON (4 areas, rectangular)	
15	Network	RJ-45 (10/100 Base-T)	
16	Protection	Camera should have dust-proof function and water proof means the enclosure should works normal after soaking in1 m deep water for 30 minutes.  Wide voltage: The camera allows ±30% input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage	

17	Compatibility	Electromagnetic directive Compatibility	
18	power Source	12V DC/PoE (802.3af)	
19	Remote Access	It should support all OS for remote access	
20	Operation Temperature	-40°C to +60°C (-40°F to +140°F)/less than ≤ 95% RH	
21	Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour	
22	Certification	CE-LVD: EN60950-1,CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07	
23	Illumination Distance	3.6 mm: 30 m (98.4 ft) 6 mm: 50 m (164.0 ft) 8 mm: 60 m (196.9 ft)	

### Technical Compliance Statement

B Bullet IR Network Camera (Minimum 50 mtr coverage)			
A 50mtr			
Sl.No.	Description	Technical Parameters	Compliance (Y/N)
1	Sensor	2MP 1/2.8" CMOS image sensor, low illuminance, high image definition	
2	pixel	1920 (H) × 1080 (V)	
3	Video Compression	Codec H.265; H.264; H.264B; high compression rate, ultra-low bit rate	
4	Frame Rate	Main Stream:1920 × 1080 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–30 fps)	
5	Lens	Fixed-focal,focal length 3.6 mm; 6 mm; 8 mm;Max. Aperture 3.6 mm: F2.0,6 mm: F2.0,8 mm: F2.0, Field of View 3.6 mm: Horizontal: 84°; Vertical: 45°; Diagonal: 100° 6 mm: Horizontal: 53°; Vertical: 30°; Diagonal: 60° 8 mm: Horizontal: 40°; Vertical: 22°; Diagonal: 46°	
6	Privacy Masking	4 areas	
7	IR Distance	Built-in IR LED, max IR distance: 60m	
8	Minimum Illumination	0.01 Lux @F2.0	
9	ICR	Auto (ICR)/Color/B/W	

10	Video Streaming	Main Stream: 1920 × 1080 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–30 fps)	
11	Corridor Mode		
12	Imaging Features	DWDR, 3D NR, HLC, BLC, digital watermarking	
13	Noise reduction	3D NR	
14	Motion detection	OFF/ON (4 areas, rectangular)	
15	Network	RJ-45 (10/100 Base-T)	
16	Protection	Camera should have dust-proof function and water proof means the enclosure should works normal after soaking in 1 m deep water for 30 minutes.  Wide voltage: The camera allows ±30% input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage	
17	Compatibility	Electromagnetic directive Compatibility	
18	power Source	12V DC/PoE (802.3af)	
19	Remote Access	It should support all OS for remote access	
20	Operation Temperature	–40°C to +60°C (–40°F to +140°F)/less than ≤ 95% RH	
21	Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour	
22	Certification	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B	
23	Illumination Distance	3.6 mm: 30 m (98.4 ft) 6 mm: 50 m (164.0 ft) 8 mm: 60 m (196.9 ft)	

### Technical Compliance Statement

C 32Ch Network Video Recorder			
S.No.	Description	Technical parameters	Compliance (Y/N)
1	Main Processor	Dual-core embedded processor	
2	Operating System	Embedded LINUX	
3	IP Camera Input	32 channel	
4	Two-way Talk	1 channel Input, 1 channel Output	
5	Display Interface	Dual Interface with 2 HDMI and 1 no. VGA	
6	Display Resolution	3840×2160, 1920×1080, 1280×1024, 1280×720, 1024×768	

7	Total Bandwidth	Max 256Mbps incoming bandwidth	
8	Display Split	Display should be split into 1/4/8/9/16	
9	Support multiple brands	Should Support Multi-brand network cameras	
10	OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording	
11	Recording Compression	H.265/H.264/MJPEG	
12	Recording Resolution	Should support upto 12MP resolution preview&playback	
13	User Interface	GUI	
14	Motion Detection	MD Zones: 396(22x18 )	
15	Video Loss	Supports	
16	Camera Blank	Supports	
17	Playback	Playback should be 1/4/9/16 Sync	
18	Smart Phone	It should support remote monitoring over iPhone, iPad, Android and Windows Phone including desktop/PC	
19	Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search	
20	Backup Mode	USB Device/Network/Internal SATA burner/eSATA Device	
21	Hard Disk	Should support 8 SATA III ports, up to 48TB	
22	Network Ethernet	2 RJ-45 port (10/100/1000Mbps)	
23	External HDD	Should support 1 eSATA port upto 16TB	
24	USB	2 Rear USB3.0, 2 Front USB2.0	
25	Auxiliary Interface	RS232 port for PC communication& Keyboard RS485 port for PTZ control	
26	Network Function	HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search, Support IPC & UPnP	
27	Alarm In/ out	16 channel In / 5 channel Out	
28	Max. User Access	Should support mini 120 users	
29	Power Supply	Single, AC 100~240V, 50/60 Hz	
30	Power Consumption	Should not consume more than 10W(without HDD)	
31	Working Environment	-10°C~+55°C / 10%~90%RH	
32	Certification	UL,FCC ,CE , ISO	
33	Open Protocol	Should support ONVIF Version 2.4 conformance or higher	

**Technical Compliance Statement**

D 8 Port switch with 2 SFP port			
S.No.	Description	Technical parameters	Compliance (Y/N)



1	Port	8 x 10/100/1000BASE-T PoE ports & 2 SFP port
2	Duplex	Full/half duplex for 10/100 Mbps speeds Full duplex for Gigabit speed
4	Data Transfer	100/1000
5	POE Standard	802.3af and 802.3at (POE+)
6	power budget	65W PoE budget
7	Physical Power	External Power adapter 54v DC
	Power consumption	80.9 w /100v 80.6w /240v
8	operating temperature	Minus 5 to 50 degree celcius
9	Operating Humidity	0% to 95% RH non-condensing
10	Certification	CB,UL,BSMI,CCC & CE CLASS A,VCCI CLASS A,FCC CLASS A
11	Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3 10BASE-T Ethernet (twisted-pair copper)</li> <li>• IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper)</li> <li>• IEEE 802.3u 100BASE-FX 100mbps over fiber optic</li> <li>• IEEE 802.3ab 1000BASE-T Gigabit Ethernet (twisted- pair copper)</li> <li>• IEEE 802.3z 1000BASE-X 1gbps over fiber optic</li> <li>• IEEE 802.3az compliance</li> <li>• Auto-negotiation</li> <li>• IEEE 802.3x Flow Control IEEE 802.3af/at compliance for</li> </ul>
12	Extend Support	Minimum 250 mtr distance POE power supply
13	CPU Memory	128MB
14	Flash Memory	32MB

MANUFACTURERS' AUTHORIZATION FORM

To,  
Registrar (I/C),  
National Law University Odisha  
SEC-13, CDA,  
Cuttack – 753015.

Date:

Dear Sir,

With reference to Bid(Lt. No./Ref. No.):

We \_\_\_\_\_ who are established  
and \_\_\_\_\_ reputable \_\_\_\_\_ manufacturers  
of \_\_\_\_\_  
(name and descriptions of goods offered) having Corporate office at \_\_\_\_\_  
\_\_\_\_\_ (a  
ddress of office) do hereby authorize M/s \_\_\_\_\_  
(Name and address of Agent) to submit a bid, and sign the contract with you for the goods  
manufactured by us against the above Bid.

We hereby extend our full guarantee and warranty as per Clause 8, 9 and 10 of the Terms  
and Conditions of quotation enquiry for the goods and services offered for supply by the  
above firm against this bid.

Yours faithfully,  
(Signature, Name & Business address with contact details)