



**INDIAN INSTITUTE OF SCIENCE EDUCATION AND  
RESEARCH THIRUVANANTHAPURAM (IISERTVM)  
(Govt. of India, Ministry of H.R.D)**

PH: 0471-2597454  
FAX: 0471-2597427  
EMAIL: PURCHASESTORES@IISERTVM.AC.IN

CET CAMPUS, KULATHUR, ENGINEERING COLLEGE.P.O  
THIRUVANANTHAPURAM 695016,  
KERALA, INDIA.

Date: 30<sup>th</sup> July 2016

**INVITATION TO TENDER**

No: IISER/PUR/8257/PYS/IT/16

Due Date: 16<sup>th</sup> August 2016 [4PM]

Date of Opening: 17<sup>th</sup> August 2016 [3PM]

Dear Sirs,

**SUB: Supply and Installation and Demonstration of IP Camera & 32 Channel NVR.**

We invite Sealed Tenders for the following items:

Sl #:	Item/ Description	Qty
<b>Specifications as described in the Annexure-I</b>		

Please quote your lowest rate and shortest delivery period as per the following terms. Your offer in sealed cover **SUPERSCRIBING TENDER NUMBER AND DUE DATE** shall reach us on or before the due date and time. Please follow "Instruction to Tenderers" attached and also General T&C attached to Annexure-I.

- EMD** : Rs. 20,000/-in the form of DD or B.G. to be submitted along with the quote. Quote received without EMD will be summarily rejected.[Tender No. and Company name should be scribbled on the back side of DD/BG].
- Payment** : Within 30 days after supply and installation and commission. **No advance payment will be made by IISERTVM.**
- Delivery** : To be delivered at our **Vithura Campus** (Free delivery). Charges for loading, unloading & positioning of the item should be quoted inclusive. If import, mention Ex-works/FCA/CIP terms with clear breakup charges.
- Taxes & Duties** : Indicate taxes and duties. We are exempted for customs duty under 51/96 notification and Excise duty under 10/97 notifications.
- Discount** : Indicate, if any.
- Delivery Schedule** : Required Immediately. Indicate your schedule
- Validity of quote** : 60 days

Thanking You,

Yours Faithfully

  
Deputy Registrar  
(Purchase & Stores)

**P.S. CATALOGUE/LEAFLET FEATURING ALL TECHNICAL SPECS/INFORMATION OF THE PRODUCT QUOTED SHALL ACCOMPANY THE OFFER.**

Annexure-I to enquiry:-  
 IISER/PUR/8257/P45/IT/16  
 dt. 01/08/2016

**Required Items**

Item	Qty
IP Bullet Camera	61
IP Dome Camera	11
32 channel NVR for IP camera	3

**Specifications**

**IP Bullet camera**

Camera type	Day/Night HD Network IR Bullet camera
Image Sensor	1/3" 1.3Megapixel progressive scan CMOS
Scanning System	Progressive
IR illumination distance	20m
Day/Night	Auto(ICR) , Colour, B/W
Angle of View	H: 70°
Compression	H.264, MJPEG
Resolution	1.3M(1280×960), 720P(1280×720), D1(704×576)
Streaming	15fps@1.3M(1280×960), 25/30fps@720P(1280×720)
Network	10/100BaseT RJ-45
Protocols	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour
Power supply	PoE (802.3af)

**IP Dome camera**

Camera type	Day/Night HD Network dome camera
Image Sensor	1/3" 1.3Megapixel progressive scan CMOS
Scanning System	Progressive
Day/Night	Auto(Electronic), Colour, B/W
Angle of View	H: 70°
Compression	H.264, MJPEG
Resolution	1.3M(1280×960), 720P(1280×720), D1(704×576)
Streaming	15fps@1.3M(1280×960), 25/30fps@720P(1280×720)
Network	10/100BaseT RJ-45
Protocols	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour
Power supply	PoE (802.3af)

**32 channel NVR for IP camera**

Operating System	Embedded Linux
IP Camera input	32 channel
Display Interface	HDMI, VGA, TV
Display Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
Display split	32
OSD	Camera title, Time
Compression	H.264, MJPEG
Search mode	Time/Date
Playback function	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Digital zoom
Ethernet	2x10/100/1000 Mbps RJ-45
HDD	8x4TB SATA HDD
RAID support	0,1,5,6,10

*[Handwritten Signature]*  
 P To

**General Conditions**

- Cameras and NVR should be from same OEM
- The specifications provided are minimum required
- All product should carry a warranty of one year
- The cameras and NVRs must be installed in groups as required by IISER-TVM
- IISER-TVM will provide a PoE enabled Cat6 cable near the camera
- Appropriate Ceiling/Wall mounting kits should be supplied and installed
- Authorization letter from OEM should be submitted
- The OEM brochure for every offered product should be attached, without which the offer is liable to be rejected
- Vendor must have successfully installed at least 30 IP cameras and one 16 channel NVR in a single project. Purchase order copy and customer satisfaction report must be submitted
- Vendor should fill and submit the compliance sheet provided under Appendix A
- Price bid should be submitted in the format given under Appendix B
- Any other charges not directly mentioned under Appendix B should be included under installation charges
- Supply and installation at IISER Vithura campus. *Site visit schedule will be informed*

**Appendix A – Compliance Sheet**

**IP Bullet Camera**

OEM:

Model:

Property	Description	Comply (Y/N)	Deviations
Camera type	Day/Night HD Network IR Bullet camera		
Image Sensor	1/3" 1.3Megapixel progressive scan CMOS		
Scanning System	Progressive		
IR illumination distance	20m		
Day/Night	Auto(ICR) , Colour, B/W		
Angle of View	H: 70°		
Compression	H.264, MJPEG		
Resolution	1.3M(1280×960), 720P(1280×720), D1(704×576)		
Streaming	15fps@1.3M(1280×960), 25/30fps@720P(1280×720)		
Network	10/100BaseT RJ-45		
Protocols	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour		
Power supply	PoE (802.3af)		

*[Handwritten Signature]*

3

**IP Dome Camera**

OEM:

Model:

Property	Description	Comply (Y/N)	Deviations
Camera type	Day/Night HD Network dome camera		
Image Sensor	1/3" 1.3Megapixel progressive scan CMOS		
Scanning System	Progressive		
Day/Night	Auto(Electronic), Colour, B/W		
Angle of View	H: 70°		
Compression	H.264, MJPEG		
Resolution	1.3M(1280×960), 720P(1280×720), D1(704×576)		
Streaming	15fps@1.3M(1280×960), 25/30fps@720P(1280×720)		
Network	10/100BaseT RJ-45		
Protocols	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour		
Power supply	PoE (802.3af)		

**32 channel NVR for IP camera**

OEM:

Model:

Property	Description	Comply (Y/N)	Deviations
Operating System	Embedded Linux		
IP Camera input	32 channel		
Display Interface	HDMI, VGA, TV		
Display Resolution	1920×1080, 1280×1024, 1280×720, 1024×768		
Display split	32		
OSD	Camera title, Time		
Compression	H.264, MJPEG		
Search mode	Time/Date		
Playback function	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Digital zoom		
Ethernet	2x10/100/1000 Mbps RJ-45		
HDD	8x4TB SATA HDD		
RAID support	0,1,5,6,10		

**Appendix B – Price bid format**

Sl. No	Item	Unit price incl TAX	Qty	Total Price (Rs)
1	IP Bullet Camera		61	
2	IP Dome Camera		11	
3	32 channel NVR for IP camera		3	
4	Installation charges		-	
<b>Grand Total</b>				

*[Handwritten signature]*  
01/08/2016