



**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.

[Address List]

Date: 05<sup>th</sup> February 2015

**INVITATION TO TENDER(IND)**  
**No: IISER/PUR/5286/14**  
**Due Date: 03<sup>rd</sup> March 2015 [4PM]**  
**Date of Opening: 04<sup>th</sup> March 2015 [3PM]**

Dear Sirs,

**Sub: Supply, Installation and commissioning of IP based  
Surveillance System.**

We require the following items immediately:

Sl No:	Item/ Description	Qty
1.	Supply, Installation and commissioning of IP based surveillance system at IISER Thiruvananthapuram as indicated in the Annexure I and Specifications mentioned in Annexure II	18 Nos

Please quote your lowest rate and shortest delivery period as per the following terms:

**Payment :** Within 30 days after supply and installation.

**Delivery :** To be delivered at our stores (Free delivery)

**Warranty:** For a minimum period of one year from the date of supply and installation.

**Taxes & Duties:** Indicate taxes and duties.

**Discount:** Indicate, if any.

**Delivery Schedule:** Required Immediately. Indicate your schedule.

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.

Thanking You,

Yours Faithfully

**Deputy Registrar  
(Purchase & Stores)**

OFFICE COPY

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

SL NO	HOSTEL	HALL OF RESIDENCE	ADDRESS
1	PRIYANKA NILAYAM	I	PRIYANKA A NILAYAM,OPP CET ENGINEERING COLLEGE PO,TRIVANDRUM-695016
2	PRIYANKA NIWAS	II	PRIYANKA NIWAS, TC. SP 111/965,ENGINEERING COLLEGE ROAD,NEAR CHAVADIMUKKU JUNCTION,SREEKARYAM PO,TRIVANDRUM
3	ANBY PLAZA	IV	ANBY PLAZA,ENGINEERING COLLEGE ROAD,SREEKARYAM PO,TRIVANDRUM
4	NANDANAM	V	NANDANAM,SRA IO4,CHAVADIMUKKU,SREEKARYAM P.O TRIVANDRUM.
5	TECHIES PARK	VII	TECHIES PARK ,TC NO.SP III/584,CET COLLEGE ROAD,CHERUV AIKKAL VILLAGE,SREEKARYAM PO TRIV ANDRUM
6	GURUVARAM	VIII	GURUVARAM ,RAJEEV AM, CHAV ADITKKU,SREEKARYAM PO TRIVANDRUM.
7	ZAM ZAM	IX	ZAM ZAM HOSTEL,NEAR PRA THEEKSHA BHAVAN SREEKARYAM PO TRIVANDRUM.
8	CHANDRADHARA NEW	XIA	CHANDRADHARA HOSTEL,SP111961(5),TIRUNAGAR , ENG COLLEGE POTRIVANDRUM
9	CHANDRADHARA OLD(TIRUV A THIRA)	XIB	CHANDRADHARA HOSTEL,SPII1961(5),TIRUNAGAR , ENG COLLEGE PO TRIVANDRUM
10	SBT BUILDING	XIII	SBT BUILDIN HOSTEL,ABOVE SBT,OPP CET COLLEGE TRIV ANDRUM
11	ANBYTOWER	XIV	ANBY TOWER,TC 97/469,NEAR MANVILA JUNCTION TRIV ANDRUM.
12	PRIYANKA VIHAR	XV	PRIYANKA VIHAR GUEST HOUSE,TC NO:SP III721(2),KARIYAVATTOM JUNCTION, TRIVANDRUM
13	AISHWARYA RESIDANCY	XVII	AISHWARYA RESIDANCY,TC 4/4 I 82, M-2,MAITHRI NAGAR,SREEKARYAM P.O,NEAR CHEKKALAMUKKU, TRIVANDRUM
14	SUNRISE APARTMENTS	XIX	SUNRISE APARTMENTS,(BESIDES SML SHOWROOM/NIRMALA AUTOMOBILES) TC NO:SP 111/100(8),KUNNUPURAM, PANGAPPARA P.O,TRIVANDRUM.
15	PRIYANKA HOUSE	XX	PRIYANKA HOUSE,TC NO:SP 11/991,BHAGAT SINGH NAGAR,ENGINEERING COLLEGE PO,TRIVANDRUM.
<b>INSTITUTE BUILDINGS</b>			
16	GEM BUILDING		GEM BUILDING,OPP CET COLLEGE,TRIVANDRUM
17	INSTITUTE -MAIN ENTRANCE		IISER TVM,CS BUILDING,CET CAMPUS,TRIVANDRUM
18	MALAYIL BUILDING		MALAYIL BUILDING,NEAR MARUTI TRUE VALE SHOP,MEDICAL COLLEGE PO,TRIVANDRUM

  
 5/2/15  
**K. BHASKARA RAO**  
 Deputy Registrar

**SURVEILLANCE SYSTEM**  
**SPECIFICATIONS**

- ❖ The surveillance system is for monitoring 24/7 the activities around the entry gates of each of the hostels in the transit campus of IISER Thiruvananthapuram. The hostels themselves are rented buildings spread out over a radius of around five kilometres from the academic buildings of the transit campus located in the college of engineering, Sreekariyam, Thiruvananthapuram. The physical addresses of the hostels are appended.
- ❖ One camera each is to be placed pointing outward at the entrance gates/doors of all the hostels that can capture the security station in each hostel as well as capture the entire doorway so that in/out of every individual to and from the hostel can be recorded.
- ❖ Each camera must be powered either through POE injection or using power adapters from power drawn from the inverters installed at each hostel for uninterrupted power. A suitable power tapping point from the inverter will be provided within 10m from the location of the camera by IISER TVM. The remaining will be in the scope of the vendor.
- ❖ Eight out of the 15 hostels and the 3 administrative buildings are connected to the main academic building of IISER TVM at the college of engineering (CET) through leased circuits. For these locations, it should be possible to stream the video and audio captured by the cameras to the main security post inside CET at adjustable resolution/frame rate/bandwidth. The provision to stream data should be available in all the cameras to be used as and when those hostels are also connected to the IISER TVM network.
- ❖ All cameras should have sufficient attached storage of suitable kind for storing the surveillance footage at maximum resolution for a duration of 7 days (168 hours) with automatic recycling of the storage media erasing the oldest recordings first. Authorised security personnel should be able to access the data easily while the data should be protected from unauthorised viewing/copying.

**The minimum specifications for the cameras are as follows:**

1. Type -Day/Night IR Bullet camera
  2. Lens -2 mega pixel progressive CMOS sensor
  3. IR LED -minimum 15m IR illumination distance
  4. Built-in Infrared-Cut Removable (ICR) Filter
  5. View Angle -Min 60 degree (horizontal)
  6. Configurable image size, quality, frame rate, and bit rate
  7. Time stamp and text overlays
  8. Compression -Simultaneous H.264/MPEG-4/MJPEG
  9. Resolution -up to 1920 x 1080 @30fps
  10. Streaming -H.264/MPEG-4 multicast streaming
  11. Networking -HTTP, HTTPS, IPv4, IPv6, Qos, SNMP
  12. Ethernet -10/100 Base-T RJ-45
  13. Security -Administrator and user group protection, password protection, IP filtering
  14. Storage -Sufficient for 72 Hours at 1080P HD with audio
  15. Power -DC/PoE support
- ❖ Bidders should visit the hostel sites and estimate the installation requirements prior to bidding.
  - ❖ The cameras and other hardware should be tamper-proof and the installation, wiring etc should also be tamper-resistant.
  - ❖ Minimum one year warranty on all active components with local support available at Thiruvananthapuram for on site repairs and maintenance.

**IISERTVM**  
**INSTRUCTIONS TO TENDERERS [INDIGENOUS].**

1. Tenders should be sent in sealed envelopes superscribing the relevant tender no. and the due date of opening. Only one tender should be sent in each envelope.
2. Late tender and Delayed Tenders will not be considered under any circumstances.
3. Sales Tax and /or other duties/levies where legally levies and intended to be claimed should be distinctly shown separately in the tender.
4. (a). Your quotation should be valid for a minimum period of 60 days from the date of opening of the Tender. Quotation with firm prices will be preferred.  
(b). Prices are required to be quoted according to the units indicated in the Invitation to Tender. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.
5. **(a) Preference will be given to those tenders offering supplies from ready stocks. The basis of delivery is at IISER site free of cost.**  
**(b) Our payment terms are within 30 days of receipt and acceptance of the item at our site.**
6. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.  
(b) Samples, if called for, should be submitted free of all charges by the tenderer and the IISER shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of non-acceptance of tender, the tenderer will have to take back the samples at his own expense.  
(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.  
(d) **Specifications:** Stores offered should strictly conform to our specifications. Deviations, if any should be clearly indicated by the tenderer in their quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary along with the quotations. Test Certificates wherever necessary should be forwarded along with supplies. Whenever specifically mentioned by us the tenderer could suggest changes to specifications with appropriate reasons for the same.
7. IISER shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portion of the quantity offered and the tenderers shall supply the same at the rates quoted.
8. Corrections, if any, in the Quotation must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail. Quotation must have price for each line item and totaling of the price including taxes and duties should be clearly mentioned.
9. The tenderer should mention the name of his bankers, Sales Tax Registration, PAN number etc in the tender.
10. The authority of the person signing the tender, if called for, should be produced.
11. The purchaser reserve the right to accept or reject the lowest or any other offer in whole or in part without assigning any reason.
12. IISER being a Govt of India Educational and Research Institute, is exempted from payment of Excise Duty under Notification No. 10/97 and Customs Duty under Notification No. 51/96- Customs dated 23<sup>rd</sup> July 2009. Also, we can issue Form 16 as per VAT Rules.
13. The stores supplied should be covered with minimum of 1 year warranty from the date of supply, installation and commissioning.
14. There is no EMD or Tender Cost.

  
DEPUTY REGISTRAR  
[PURCHASE & STORES]