



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

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

[Address List]

Date: 22nd September 2015

INVITATION TO TENDER(IND)

No: IISER/PUR/6280/15

Due Date: 06th October 2015 [4PM]

Date of Opening: 07th October 2015 [3PM]

Dear Sirs,

Sub: Supply of fibre cable and accessories, UTP termination accessories, racks and installation at IISER Vithura Campus

We invite Sealed Tenders for the following items:

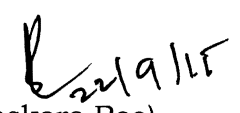
Sl No:	Item/ Description
1.	Supply of fibre cable and accessories, UTP termination accessories, racks and installation at IISER Vithura Campus [Specifications & Quantity as per Annexure I]

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.

- EMD** : **Rs. 37,000/-in the form of DD or B.G. to be submitted along with the quote. Quote received without EMD will be summarily rejected.**
- Payment** : Within 30 days after supply and installation/Net 30 days /LC.
No advance payment will be made by IISERTVM.
- Delivery** : To be delivered at our stores (Free delivery). 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


(K. Bhaskara Rao)
Deputy Registrar
Purchase & Stores

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

Requirements

Outdoor Fibre cable and accessories

Item	Quantity
12-fibre 9/125µm OS2 single mode armoured fibre cable	2330 m
6-fibre 9/125µm OS2 single mode armoured fibre cable	2170 m
1U rack mountable sliding fibre tray with minimum 3 fibre adapter panel slots	9 nos
Stackable fibre optic splice tray to hold up to 24 splices per tray	12 nos
Fibre adapter panel loaded with 12 single mode fibre LC adapters	4 nos
Fibre adapter panel loaded with 6 single mode fibre LC adapters	8 nos
Blank adapter panel to cover unused blank slots in the LIU	15 nos
1m LC connector to pigtail, 9/125µm single mode simplex pigtail 900µm buffered fibre	96 nos
12 fibre fan-out kit to convert 250µm to 900µm buffered fibre	4 nos
6 fibre fan-out kit to convert 250µm to 900µm buffered fibre	8 nos
3m LC-LC, 9/125µm single mode duplex patch cord	15 nos
3m SC-SC, 9/125µm single mode duplex patch cord	1 nos
Splicing, link testing and labelling charges	96 nos
Fibre laying charges through PVC conduit/wall/plenum/internal building	4500 m

Indoor Fibre cable and accessories

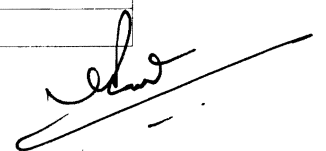
Item	Quantity
6-fibre 9/125µm OS2 single mode low smoke zero halogen indoor fibre	300 m
fibre tray suitable for insertion into 1U UTP patch panel for terminating 6-fibre indoor fibre	10 nos
Fibre adapter panel loaded with 6 single mode fibre LC adapters	10 nos
1m LC connector to pigtail, 9/125µm single mode simplex pigtail 900µm buffered fibre	60 nos
Splicing, link testing and labeling charges	60 nos
Fibre laying charges through PVC conduit/wall/plenum/internal building	300 m

UTP accessories and termination

Item	Quantity
24 port modular flat patch panel black 1U with front removable snap-in faceplates	18 nos
6A modular information outlet for patch panel	250 nos
UTP Termination charges	250 nos
1m UTP patch cord	100 nos
3m UTP patch cord	100 nos

Racks

Item	Quantity
9U Wall mount rack	10
42U Floor mount rack	1



Specifications

Outdoor Fibre Cable specification

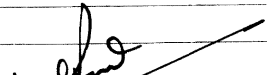
Cable design	Armoured loose-tube, gel-free cable with water swellable tape and central strength member
Armour type	Corrugated steel
Jacket type	UV resistant and moisture resistant polyethylene
Maximum Loss	0.4dB/km @1310nm 0.3dB/km @1550nm
Maximum outer diameter	15mm
Installation Bend radius minimum	300mm
Operation Bend radius minimum	150mm
Installation Tensile load maximum	2700N
Operation Tensile load maximum	800N

Indoor Fibre Cable specification

Cable design	6-fibre OS2 9/125µm single mode low smoke zero halogen cable 900µm tight buffered
Strength member	Aramid yarn
Maximum Loss	0.75dB/km @1310nm 0.75dB/km @1550nm
Maximum outer diameter	5mm
Installation Bend radius minimum	100mm
Operation Bend radius minimum	50mm
Installation Tensile load maximum	667N
Operation Tensile load maximum	200N

9U wall mount network rack specification

Dimensions	9U (600mm width, 600mm depth)
Material (wall and hinged part)	Sheet steel
View window	Single-pane safety glass
Surface finish	Powder coated
Colour	Light Grey
Description	<ul style="list-style-type: none">- 1 wall section- Roof, base plates with cut-outs for cable entry using brush strips- 2 side panels- 1 lockable glazed door- 2 cable management panel with steel rings- Earthing kit for system-compatible earthing of all enclosure parts- Two 19" mounting angles- Can withstand load of 25Kg
Fans	Two fully wired 230V, 90cfm mounted on top cover
Power strip	Minimum 6 5A sockets



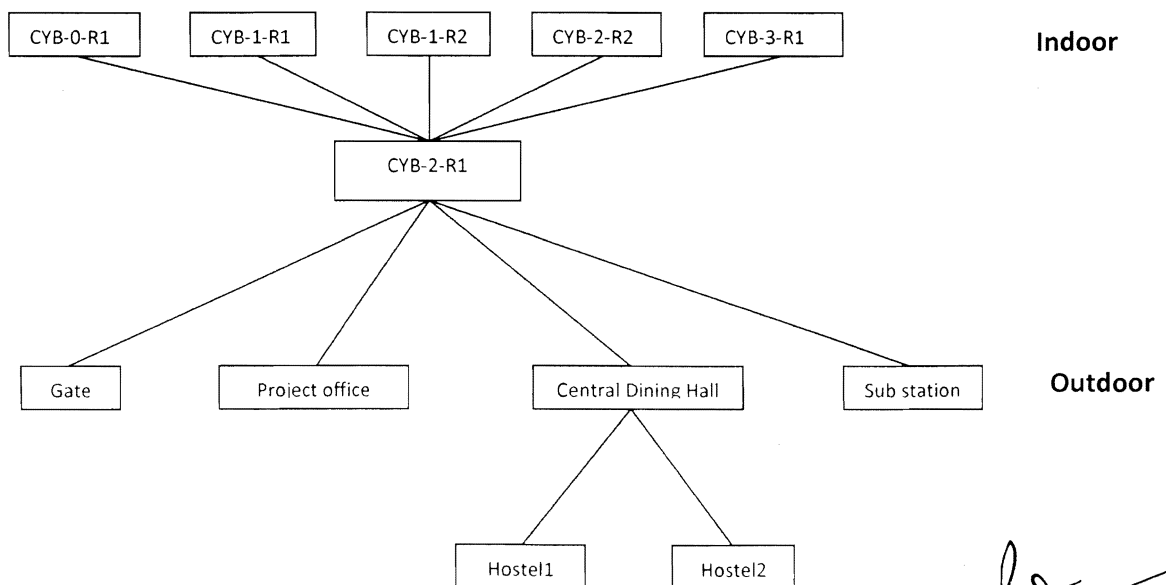
42U floor mount network rack specification


Dimensions	42U (800mm width, 1200mm depth)
Description	<ul style="list-style-type: none"> - Top and Bottom cover minimum 4 cut outs each for cable entry - All cut outs blanked by plastic caps - Two pair 42U 19" L type angle - 2 pair vertical cable through - Side panels - Ergoform handle - Lock insert key - 4 sets captive hardware - Earth rail and earth straps - Can withstand load of 600Kg
Colour	Light grey
Door	Front and back perforated vertical double door
Fans	Four fully wired 230V 90cfm mounted on top cover
Power strips	Two 5/15 power strip with 10 sockets with at least 2.5m power chord

Other requirements

- All fibre and UTP components quoted should be from same OEM
- OEM and the brand should have 5 years of installation presence in India (proof required)
- The vendor should have successfully completed at least two similar installations (proof required)
- All components should be RoHS compliant
- Five year material and installation next working day warranty
- Materials should be supplied, installed and tested at IISER Thuvananthapuram, Vithura campus
- Fibre cable installed between any two buildings should not have any splices in between

Logical fibre layout




K. BHASKARA RAO
 Deputy Registrar
 [Purchase & Stores]
 IISER TVM

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 23rd 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. Earnest Money Deposit/ Bid Security should be submitted alongwith your quote as mentioned in Invitation for Tender. EMD should be in favour of Indian Institute of Science Education and Research Thiruvananthapuram valid for 90 days


DEPUTY REGISTRAR
[PURCHASE & STORES]

IISER-TVM
INSTRUCTION TO TENDERERS [IMPORTS]:

1. **PRICE:** The price quoted shall be firm. The terms of FOB/EXW/FCA/CIF/CIP etc shall be clearly mentioned.
2. **AGENT & AGENCY COMMISSION:** In case Tenderer is represented by any agent in India, their name and address shall be furnished. The amount of commission included in the price shall be clearly shown in the offer; which will be paid directly to the Indian Agents by purchaser in equivalent Indian Rupees. In case Indian agents existing and their agency commission is not shown in the Tender, reasons for the same shall be clearly mentioned in Tender. Details of Indian agent's statutory registration shall be stated. If Agency Commission is paid by Principals in foreign currency, the reasons for the same and exemption from Enforcement Directorate in India shall also be provided.
3. **LEAFLET/CATALOGUE:** Tenderer should furnish all necessary leaflet/catalogue etc., of the stores offered by him to enable the Purchaser to evaluate his offer correctly.
4. **MODE OF DESPATCH:** Tenderer shall indicate the mode of dispatch (*i.e.*, Sea/Air-freight/Parcel Post, etc.) depending upon the normal mode of dispatch adopted by him for the type of stores offered for consideration of the Purchaser.
5. **COUNTRY OF ORIGIN:** Tenderer shall indicate in his offer the country of origin of goods offered and the name and address of the manufacture.
6. **INSURANCE:** If insurance of the goods is felt necessary, the same shall be advised by the Tenderer in the offer.
7. **DELIVERY/SHIPMENT:** The time for and date of delivery quoted shall be reasonable/realistic and shall strictly be adhered to in case of placing order on the Tenderer.
8. **MODE AND TERMS OF PAYMENT:** Payment in full (excluding the amount of Agency Commission included in the price payable directly by the Purchaser to the Indian Agents in Indian Rupees) will be made immediately on presentation of the prescribed documents against SIGHT DRAFT or LETTER OF CREDIT or WIRE TRANSFER against shipping documents. **OURS BEING A GOVT OF INDIA EDUCATIONAL INSTITUTE WE ARE UNABLE TO MAKE ANY ADVANCE PAYMENT**
9. **WARRANTY:** Period of warranty and conditions shall be clearly mentioned in the Tender.
10. **GENERAL:** The Tenderer shall also be complied with the following:
 - a. Mention your Banker's name and address.
 - b. Show approximate net and gross weight and dimensions of packages/cases.
 - c. Furnish list of recommended spares for satisfactory operation for a minimum period of one year if the quote is for Plant & Machinery, Equipments etc.
 - d. Details of any technical service, if required for erection assembly, commissioning and demonstration.
 - e. Conform that the prices quoted are inclusive of all taxes, levies, duties arising in the tenderer's country.
 - f. The offer is valid for a minimum period of 90 days from the due date of opening of the tender.
 - g. Samples, if called for, will be sent free of all charges.
 - h. Late tenders and Delayed will not be considered.
 - i. Offers made by Indian Agents on behalf of their Principals, should be supported by the Proforma Invoice of their Principals.
 - j. The authority of person signing the tender, if called for, shall be produced.
 - k. The purchaser reserves the right to accept or reject the lowest or any other offer in whole or in part without assessing any reason.


DEPUTY REGISTRAR
[PURCHASE & STORES]