



# भारतीय सूचना प्रौद्योगिकी संस्थान, इलाहाबाद Indian Institute of Information Technology, Allahabad

An Institute of National Importance by Act of Parliament  
Deoghat, Jhalwa, Allahabad-211015 (U.P.) INDIA

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Ref no. IIT-A/ENQ/FIP/267/174/2018

Date: 07/06/2018

## Enquiry Letter

M/s. ....

.....

.....

Ph. No.: .....

### Sub: Quotation for purchase of OFC Management Tool at IIT-Allahabad

**Enquiry issue date:** 07/06/2018

**Last submission date:** 28/06/2018 upto 12:00 Noon

**Opening of Bid:** 28/06/2018 at 4:00 PM

**EMD Amount:** Rs.14,000/- (Fourteen Thousand Only)  
through RTGS/NEFT

**Dear Sir,**

Institute intends to purchase of **OFC Management Tool** at IIT-Allahabad for which quotations are invited as per details given in below:-

Sl. No.	Name of items	Make	Specification	Qty.	Unit Rate	Amount (Rs.)
1.	Fusion Splicing machine for single mode fiber	Fujikora/ALT	Specification as per Annexure -I	01		
2.	OTDR for single mode fiber	JDSU/ALT	Specification as per Annexure -II	01		
3.	Laser Source for single mode fiber	JDSU/Shinewaytech	Specification as per Annexure -III	02		
4.	Live Fiber Identifier	JDSU/Grandway	Specification as per Annexure -IV	01		
5.	Power Meter	JUSU/Shinewaytech	Specification as per Annexure -V	01		
6.	Tool Kit	PROSKIT	Specification as per Annexure -VI	01		
<b>Total amount-</b>						
<b>Taxes (GST)-</b>						
<b>Grand Total-</b>						

You are requested to submit the quotation by courier/speed post with complete details of specifications, terms & conditions warranty/guarantee etc. **upto 28/06/2018 at 12:00 Noon.** Quotations duly sealed may be dropped in the tender box placed in the office of the Faculty In-Charge Purchase, IIT-Allahabad. Basic rate, taxes and freight charges etc. must be quoted separately. Quotation should be addressed to **Faculty In-Charge Purchase, IIT-Allahabad, Deoghat Jhalwa, Allahabad-211015. Kindly mention enquiry reference number, subject, due date contact address etc on envelops. Incomplete quotation will not be accepted.**

**Note:**

1. FOR destination IIT-Allahabad.

2. Minimum turnover of the firm should be Rs.20 lakh or more in last two financial year (2015-16 & 2016-2017) Attach documentary evidence.
3. Quoted rate should be valid at least for 60 days.
4. **Warranty should be at least 01 year.**
5. **Vendors are desired to quoted all the items as mentioned above, failing which quotation not be considered.**
6. The mention quantity is approx quantity; it may decrease/increase.
7. Enquiry/tender must be quoted in prescribed format on the letter head of the firm/vendor, otherwise quotation may be rejected.
8. Supply should be completed within 07-08 weeks from the receipt of the Purchase order. If, the supply delayed beyond the stipulated time of completion of supply penalty of 1% per week of total cost may be imposed at the discretion of competent authority. The penalty may be upto 10% of the total cost.
9. If it is found that items are fake or of sub-standard quality and not conforming to the required specifications, the firm, will have to replace the fake/ sub-standard items with genuine ones immediately but they will also be liable to be blacklisted.
10. Rate quoted by the firm should not be higher than the MRP/prevailing market rate.
11. Conditional quotations are liable to be rejected. In the event of acceptance, Director's decision will be final. The rates should be quoted as per our required specifications. The quotation which is not as per our required specifications, will not be considered on any ground.
12. The right to accept or reject any tender/ quotation, partially or wholly, including lowest quotation without assigning any reason whatsoever thereof or incurring any liability thereby is reserved with the Director, IIIT, Allahabad. The Director, also reserves the right to split the tender and place the orders for supply of item(s), mentioned in the enquiry letter on one or more tenderer. The decision of the Director, with regard to enforcement of these terms and conditions herein contained, as a result of breach of these conditions by successful Tenderers, shall be final and the Director, shall not be liable for any damage/liability put forth by the Tenderers at any stage of the transaction arising out of the enforcement of any or all herein contained terms and conditions.
13. In case the firm fails to complete the job within maximum specified period Institute reserves the right to get the job done by any other firm and the difference of cost if any, will be recovered from the defaulting firm.
14. Payment will be made within fifteen days after supply, satisfactory inspection, satisfactory report and submission of Security Amount through RTGS/NEFT. No conditions/clause with regard to interest etc. shall be entertained.
15. All the documents submitted must be legible and self attested. Otherwise it is likely to be rejected.
16. In view of wide publicity the details are also available on our web site ([www.iiita.ac.in](http://www.iiita.ac.in)), may be seen.
17. Details of Bank account of Firm for returned of EMD and/or Performance Security  
**Bank's Account Holder Name:**.....  
**Type of Account Name:**.....  
**Address of Branch:**.....  
**Account No:**.....  
**IFSC Code:**.....
18. **E.M.D.:** EMD fee should be directly transfer into the bank account (IIIT-A General AC) of Indian Institute of Information Technology Allahabad through RTGS/NEFT and the tender document should be accompanied with the transaction receipt of RTGS/NEFT (Any bid without EMD fee receipt will not be considered). EMD receipt should be enclosed with the Technical Bid document in a separate envelop.



The detail of institute's Bank account is as below;

**Account Name: IIITA General AC**  
**Bank Name: Indian Overseas Bank**  
**Address: 61, M.G. Marg, Civil Lines, Allahabad**  
**Account No.: 035001000060976**  
**IFSC Code: IOBA0000350**

**Amount of EMD as below:**

S.No	Description	EMD Amount	Transaction No. & Date
1.	Purchase of OFC Management	14,000/-	

19. **Security Deposit:** The successful bidder has to deposit Performance Security which will be a sum equivalent to 10% of the total amount in favour of 'IIIT-Allahabad', which has to be electronically transfer through the RTGS/NEFT into the bank account of Institute as mentioned below:

**Account Name: IIITA General AC**  
**Bank Name: Indian Overseas Bank**  
**Address: 61, M.G. Marg, Civil Lines, Allahabad**  
**Account No.: 035001000060976**  
**IFSC Code: IOBA0000350**

**Performance Security should remain valid for a period of one year from the completion of supply. No interest shall be paid on Performance Security.**

20. The tender will be opened in the presence of the tenderers, or authorized representatives interested to be present on **28/06/2018 at 4:00 PM**. Vendors are desired to submit their authorization letter at the time of opening of tender/enquiry.
21. Tenderer should take into account any corrigendum published on the Tender document before submitting their bids. All such corrigendum will be placed on IIIT-A website www.iiita.ac.in Intending tenderers are advised to visit www.iiita.ac.in for regular update, if any, till the closing date of tender for any corrigendum/ addendum/ amendment. IIITA will not be responsible for ignorance of corrigendum.
22. May feel free to contact on E-mail-info.purchase@iiita.ac.in, Ph. No. : 0532-2922051.
23. Kindly quote your Income Tax PAN No./GST No. etc. on the quotation raised by you. If PAN No. not quoted, 20% Tax will be deducted at source.
24. The lowest rate will not be the basis of claim to get the order.
25. All disputes are subject to Jurisdiction of Allahabad Courts.
26. Kindly quote your email ID and Bank details etc.

**Faculty In-Charge Purchase**

**Read and accepted**

**Signature & stamp of Bidder or  
Authorized Signatory**



Splicing Machine for Single Mode Fiber	
<b>Technical Specification</b>	
Number of Fiber	Single
Applicable Fibers	SM(ITU-T G.652&G.657) / MM(ITU-T G.651) / DS(ITU-T G.653) / NZDS(ITU-T G.655)
Compatible Fiber / Cable	0.25~3.0 mm / Indoor Cable
Cleaved Length	Diameter: 0.125~1 mm / Cleave Length: 8~16 mm
Cladding Diameter	80~150 $\mu$ m
Splicing Mode	32 splicing modes
Typical Splice Loss	$\leq 0.02$ db (within 1000 fibers)
Return Loss	$\gg 60$ dB
Lighting	3 Powerful White LEDs and illuminated Keypads
Splicing Time	6~8seconds
Estimated Splice Loss	Available
Protection Sleeve Length	20~60 mm
Heating Mode	Multi heating modes
Heating Time	typical heating time: 18-30 sec
Results Storage	The last 4000 results
Tension Test	2.0~2.3N
Display	90° bi-directional view, 5.0" 800*480 Color High Resolution Display with touch screen
Fiber View & Magnification	X, Y, XY, X/Y : 500X Magnification
Power Supply	AC Input 100-240V, DC Input 12-15V
No of Splice / Heating with Battery	6800mAh Battery Capacity, Typical above 340 times (Splice Heat)
Operating Methods	Button / Touch screen
Automatic Calibration	Automatic arc calibration by air pressure and temperature
Electrode Life	3500 arcs, can be extended by using an electrode grinder
Terminal	USB2.0 / Phone Jack

Standard Accessories	
Fusion Splicer	1
High Precision Cleaver	1
Fiber Holder	1
SOC Heater Cover	1
AC Adapter	1
Cooling Tray	1
Electrode	1
Fibre Optic Stripper	1
Battery Pack	1
Power Cable	1
Manual CD	1
Carrying Case	1

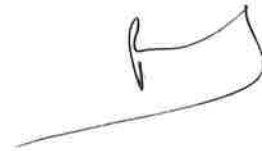
**Annexure-II**

<b>General Specifications of OTDR-</b>	
Wavelength (±20nm)	1310/1550
Dynamic Range (dB)	34/32dB
EDZ(m)	0.8
ADZ(m)	4.5
Display	7 inch TFT Touch Screen (800×480)
Connectivity	USB×2; 10/100Mbit/s RJ-45×1
Memory	2GB
Power Supply	Rechargeable Li-Ion Battery/AC Adapter
Battery Life	10 hours continuous operation
Working Temp.	-20°C - 50°C
Storage Temp.	-40°C - 60°C
Humidity	0 – 95% (Non-Condensing)
Weight	2.1kg
Dimensions (L×W×H)	290×175×75mm
Selectable Range	SM: 1.3, 2.5, 5, 10, 20, 40, 80, 160, 240Km MM: 1.3, 2.5, 5, 10, 20, 40Km
Pulse Width	SM: 5ns, 10ns, 30ns, 100ns, 300ns, 1μs, 2.5μs, 10μs, 20μs MM: 5ns, 10ns, 30ns, 1μs, 2.5μs
Averaging Time	Quick, 15s, 30s, 45s, 60s, 90s, 120s, 180s
Emitter Type	LD
Connector	FC/PC (Interchangeable SC, ST and LC)
Distance Measure Accuracy	±(1m + 10-5×distance + sampling spacing)
Attenuation Detect Accuracy	±0.05 dB/dB
Reflection Detect Accuracy	±4 dB
Visible Laser Source	Output Power ≥ -3dBm; MOD Frequency: 1Hz; Detecting Range: 5Km



**Annexure-III**

<b>Technical Specs of Laser Source for single mode fiber</b>	
Spectrum Width	≤5nm
Application Range	Multi/Singlemode fibers
Emitter Type	FP-LD@650,850,1300,1310,1550nm; DFB-LD@1490,1625nm
Output Power	≥3dBm@650nm; ≥ -3dBm@850/1300/1310/1490/1550/1625nm
Power Stability	±0.05dB/15min; ±0.10dB/8hr@1310/1490/1550/1625nm; ±0.15dB/8hr@850/1300nm
Output Mode	CW, 1Hz@650nm; CW,270Hz,1KHz,2KHz@850/1300/1310/1490/1550/1625nm
Adjustment Range	6dB
Adjustable Steps	0.01/0.1/1 dB
Auto Wavelength Identification	Yes ( With ATL)
Output Power Display	Yes
Display	LCD
Backlight Display	Yes
Connector	FC/PC (Interchangeable SC, ST)
Power Saving	Auto-off after 5 minutes idle



#### Annexure-IV

<b>Technical Specs of Live fiber Identifier</b>	
<b>Item Description</b>	
Recognizable Wavelength	900 to 1650nm Range
Recognizable Signal Type	CW,2kHz,1kHz,270Hz±5%
Detector Type	InGaAs 2pcs
Clamp Type	H0.9/0.25 for bare fibers; H3.0 for jacketed fiber
Sensitivity @1310nm	+11dB to-20 dBm (Continuous Wave); +11dB to -10 dBm (Modulated Signal)
Sensitivity @1550nm	+11dB to-30 dBm (Continuous Wave); +11dB to -18dBm (Modulated Signal)
LED Indicator	Signal traffic;signal frequency (2kHz/1kHz/270Hz);sig nal intensity (5 arades);low battery
Operating Temperature	-10 to +50°C
Storage Temperature	-20 to +70°C
Power Supply	1.5V AA batteries*2pcs
Dimension(mm)	202L*62W*36H
Weight(g)	300 g
<b>Standard accessories</b>	
2*batteries, 3*adapter heads (RB0.25mm, RB0.9mm and RB3.0mm), carrying bag, user manual, test report	
<b>Optional accessories</b>	
sun shield, RB2.0mm adapter head	

#### Annexure-V

<b>Power Meter Specs Intelligent Optical Power Meter</b>		
<b>Model</b>	<b>OPM-50</b>	
	<b>A</b>	<b>B</b>
CAL Wavelength	850,1300,1310,1490,1550,1625nm	
Power Range(')	-70--+10 dBm	-50--+27 dBm
Accuracy	± 5% ± 0.01nw	± 5% ± 1nw
	(± 0.5dB@850nm)	(± 0.5dB@850nm)
Resolution (dB)	0.01	
MOD Identification	270,1K,2K Hz	
Auto Wavelength Identification	Yes (With SLS-50)	
Display Unit	W/mW/ W/nW/pW/dBm/dB(REF)	
Data Storage	1000 records	
Connectivity	USB	
Detector	InGaAs	
Type Connector	FC (Interchangeable SC/ST)	

Annexure-VI

Tool Kit Contents:	
Sr.No.	Item Description
1	PvcElectricaltape
2	Liquid Dispenser Bottles {8 oz/227 ml}
3	Fiber Optica lStripper
4	Optic Fiber Connector Cleaner
5	Fiber Optic Kevlar Cutter
6	WIRE STR IPPER,10-22 A WG
7	Idea lCoax/Buffer Stripper upto1/8 IN
8	Round Cable Slitting And R ingingTool(Strip Cables 4.5 2Smm)
9	DualColorSide Cutter Plier (165mm)
10	Foam Swabs Cleaning Kit
11	Utility Knife {3 Blades Self Loading}
12	2PCS Tweezer Set
13	Needle Nose Plier {lSOmm}
14	7PCS Interchanable S/D
15	Black Marker
16	Safety Goggles
17	CPU Mat 60x120cm
18	Ruler
19	1/2" Hollow Shaft Nut Driver
20	A luminiumFrame ToolCaseW/1Pa llet
21	5 Fusion Splice Sleeves

