

**Indian Institute of Technology, Kanpur
Department of Physics**

Enquiry no.: PHY/SMT/EQP/DST/2015/12

Enquiry date: 23/12/2015

Closing date: 06/01/2016

Sealed quotations are invited for one optical fiber splicing machine with following specifications:

Optical fiber splicing machine specs:

Applicable Fibers	Single-mode (G.652 & G.657), Multimode (G.651), DS (G.653), NZDS (G.655)
Cladding Diameter	80 - 150 μm
Coating Diameter	100 μm to 1,000 μm
Fiber Cleave Length	5 to 16 mm
Typical Average Splice Loss	0.01-0.02 dB
Splicing Time	7 - 15 seconds
Arc Calibration Method	Automatic, real-time and by using results of previous splice, manual arc calibration
Splicing Modes	100 % ; possibility of user programmable modes
Storage of Splice Result	Storage capacity of at least 2000 results in internal memory
Fiber Display	X or Y, or both X and Y simultaneously. Front or rear monitor display options with automated image orientation
Magnification	320X for single X or Y view, or 200X for X and Y view
Viewing Method	Dual cameras with 4.7 inch TFT colour LCD monitor
Tube Heater	Built-in tube heater with 30 heating modes; auto-start function
Tube Heating Time	Typical 14 seconds with FP-03 sleeve, 17 seconds with FP3 (40) sleeve
Protection Sleeve Length	60 mm, 40 mm
Splice/Heat Cycles with Battery	At least 200 cycles
Electrode Life	At least 3000 arc discharges
Power Supply	Auto voltage between 100 to 240 V AC; or 10 to 15 V DC
Terminals	USB 1.1 or USB 2.0 for PC communication

Terms and conditions:

- Quote should be made in two parts: Technical bid and Financial bid, separately in sealed envelopes.
- Financial bid for the product whose technical bid is not acceptable will not be opened. Any quote with the financial bid included in the technical bid will be summarily rejected.
- The sealed envelopes with the quotes should be superscribed with the inquiry number and whether it is a technical or a financial bid.

- The delivery period should be specifically stated.

For delivery to IIT Kanpur

- Maximum educational discounts should be applied – this equipment will be used in a laboratory that will support research as well as teach and train students.
- Quotes should have a minimum validity of 60 days
- Quotes should be made options for the either of the following delivery modes
 - o Ex-works for pickup by our world-wide transport provider
 - o FOB in country of origin
 - o CIF, New Delhi

Address the quotations to:

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