

Indian Institute of Technology Kanpur
Department of Electrical Engineering

Enquiry No: PK/EE/DST/QEC 2012
Opening: 05th Nov. 2012
Closing: 20th Nov. 2012, 5 PM

Sealed tenders are invited for the items mentioned below.

| Sr. No. | ITEM | QTY | SPECIFICATIONS |
|---------|--------------------------------------|-----|--|
| 1. | V Type Cable (IQ modulator) | 04 | <ul style="list-style-type: none"> • Precision-grade flexible cables • DC to 40 GHz K-type frequency range • Low insertion loss • 50 Ω impedance |
| 2. | K type Cable (PRBS generator) | 01 | <ul style="list-style-type: none"> • known as the 2.9 mm • K mates with SMA and 3.5 mm connector • mode-free performance to 40 GHz, usable to 46 GHz |
| 3. | SMP type cable (Intensity modulator) | 01 | <ul style="list-style-type: none"> • FREQUENCY: 0-18 GHZ • VSWR: 1.25:1 MAX @ 18GHZ • LOSS (EXCLUDING CONNECTORS) • @ 1GHZ: 0.23 DB/FT • @10GHZ: 0.80 DB/FT • @18GHZ: 1.1 DB/FT • CENTER CONDUCTOR DIAMETER: .0201" • OUTER SHIELD DIAMETER: .086" • OVERALL DIAMETER: 0.104" • CONNECTORS: • SMA: PASSIVATED STAINLESS STEEL • SMP (GPOtm COMPATIBLE) |
| 4. | Laser Diode mount | 02 | <ul style="list-style-type: none"> • Laser Diode Mount for 14-pin Butterfly Package • ZIF Mounting Socket • Laser Enabled LED Indicator • User Defined Pin Out Configuration |
| 5. | Angled FC/PC patch cords | 20 | |
| 6. | Adapter FC/PC | 04 | |
| 7. | Adapter FC/APC | 04 | |
| 8. | Voltage controlled phase shifter | 04 | Up to 10 GHz operation, SMA/SMB connectors |
| 9. | 3-dB splitter | 04 | Up to 10 GHz operation, SMA/SMB connectors |

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|----|-------------------------------------|----|---|
| 10 | InGaAs photodiode FC Receptable | 04 | <ul style="list-style-type: none"> • NEP (W/ Hz^{1/2}) 3.44 x 10⁻¹⁵ • Connector TO-46 • Responsivity @ 1310nm (A/W) 0.85 minimum/ 0.9 typical • Responsivity @ 1550nm (A/W) 0.9 minimum / 0.95 typical • Maximum Reverse Voltage (V) 20 • Maximum Reverse Current (mA) 1 • Maximum Forward Current (mA) 5 |
| 11 | PICkit3 Programming Cable Kit | 05 | <ul style="list-style-type: none"> • For connecting a chipKIT™ board to Microchip's® PICkit3 debugger/programmer. • Includes a 6" 6-pin cable, a 6-pin gender changer, and a 6-pin right angle male header. |

1. Quotation must be valid for 90 days.
2. IITK is exempted from excise/custom duty.
3. Send complete detail of the product(s).
4. Payments terms: 90% on installation and 10% satisfactory report
5. Last dates

Hard copy of sealed quotations: 20th Nov. 2012, 5 PM

Soft copy of quotations: 20th Nov. 2012, 5 PM

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