BERHAMPUR UNIVERSITY

BHANJA BIHAR, BERHAMPUR-7, GANJAM, ODISHA-760007

No.174/CoE/BU/2023

Date:29/6/23

QUOTATION CALL NOTICE

Sealed Quotations from registered firms/authorized suppliers/ dealers having IT, PAN and up-to-date GSTN registration towards supply and installation of optical fiber components& spin coater in the firm's pad by Speed Post/ Registered Post which should reach the office of Co-ordinator of CoENSTds, Berhampur University on or before Dt-9.07.2023.The details about the fiber optic components , spin coater, their specifications and terms and conditions are available in the university website www.buodisha.edu.in

Coordinator
CoE*NST*ds
Berhampur University

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Terms/ Conditions Details:

1. An amount (Non-refundable) of ₹2,000/- towards cost of RFP (Request for proposal) be deposited in the shape of SBI DD drawn in favor of the Comptroller of Finance, Berhampur University payable at State Bank of India, Bhanjabihar (2107).
2. Deposit of EMD @2% (Refundable) of the estimated value of the goods in the shape of Demand Draft drawn in favor of the Comptroller of Finance, Berhampur University payable at State Bank of India, Bhanjabihar (2107).
3. The firm shall quote both the technical Bid consisting of all technical details along with commercial terms and conditions and Financial Bid indicating item-wise price per unit as per our specification including all Taxes, Transportation and installation. Technical Bid and Financial Bid should place in separate sealed covers duly superscribed each and send the same in a sealed cover superscribed with the quotation" call Notice" through speed post /Registered post only addressed to Co-ordinator of CoE*NST*ds,P.G.Department of Physics, Berhampur University, BhanjaBihar,Berhampur,Dist-Ganjam,Odisha -760007. Technical bid shall be opened on the same day at 4.00 pm
4. These quotations shall remain in force for the Financial Year 2023-24.
5. Materials in good condition should be delivered at CoE*NST*ds through the Central Stores, Berhampur University, BhanjaBihar, and Berhampur-760007.
6. In case of imported articles, the selected firm will take necessary steps for exemption of Custom Duty etc. at its own risk.
7. Copy of IT of previous three financial years, PAN CARD, valid & up-to-date GST Registration Certificate and Audited Financial Statement of previous three financial years must be enclosed with Quotation/ Tender paper.
8. Quotation/ Tender, incomplete in any respect, are liable for rejection.
9. The University reserves all the rights to modify the contents of the RFP, extension of last date of receipt of Quotation and to accept or reject any /all Quotation in full or in part without assigning any reason thereof.
10. Legal Dispute, if any, shall be within the Jurisdiction of Civil Court, Berhampur, Dist.- Ganjam, Odisha.
11. Depending on the urgency of the situation, penalty shall be imposed in case of delay in delivery of goods and services.
12. Payment shall be made after necessary verification and successful installation of the equipment. Goods and Service providers cannot claim any penalty or interest in case of delay in Payment caused due to verification of the quality and quantity of the Goods by the competent Technical person of the University.
13. Any query relating to the optical fiber components, please contact coordinator of CoE*NST*ds, Berhampur University via Mail ID: **skt.phy@buodisha.edu.in**.

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Optical Components Specifications

Sl No.	Components Name	Specifications
1	Honeycomb Bread Board Optical Table and Active vibration isolation system with leveling screw & wheel or compressor	1. Size:6ft x 4ft x 200mm 2. Top skin :4mm thick magnetic SS. 3. Bottom skin 4mm thick in epoxy coated Mild steel. 4. Grade size 25mm (M6 tapped holes). 5. Colour Semi solid epoxy bonding, Side wall finished with coated black. 6. Top Flatness Flatness of the top surface +/-0.1mm over 30cm x 30cm (non-cumulative error). 7. Ambient Frequency range: 4 to 100 Hz 8. Removing large coupling resonant frequency range and large energy.
2	He-Ne Laser source	1. Wavelength :632.3nm, Linearly Polarized 2. Mode Structure :TEM_{00}>95% HNLS008: Approximately 1.75" from Base 3. Static Alignment :Cylindrical Housings: ±0.01" (Center to Outer Cylinder) ±1 mrad (Parallel to Outer Cylinder) 4. Starting Voltage :≤10,000 VDC 5. Storage Lifetime :Indefinite (Hard-Sealed) 6. Operating Temperature :HNLS008: -40 to 60 °C :Cylindrical Housings: -40 to 70 °C 7. Storage Temperature :HNLS008: -40 to 100 °C :Cylindrical Housings: -40 to 150 °C 8. Relative Humidity (Non-Condensing) :0 to 100% 9. Operating Altitude :0 to 10,000 ft 10. Storage Altitude :0 to 70,000 ft 11. Power supply :240VAC 12. Polarization Ratio : 500:1 13. Power :5mW 14. Beam Diameter :0.81mm 15. Divergence :1.0mrad 16. Noise(RMS) :0.2% 17. Operating :2300VDC/6.0Ma

		voltage/current 18. Laser Class :3B and suitable fiber adaptor for SMF and MMF
3	Fusion Fiber Splicer	1. Fiber alignment : core to core Alignment 2. Applicable fibers:SMIC 652), MMIC 651), DS(G 653), NZDS(0.655), SMIG.657 A1, A2/B2, B3) SMIG.654 E 3. Fiber count: Single fiber 4. Applicable fiber dimensions: Cladding diameter (80-150pm) Coating diameter(100um-3mm) 5. Fiber cleave length: 250µm 5-16mm, 900µm 8-16mm 6. Splicing modes:Splice mode: 300. Heat mode: 100, Strip mode: 50 7. Average splice Loss SM: 0.02dB, MM 0.01dB, DS 0.04dB, NZDS 0.04dB 8. Return loss :>60dB (Typical) 9. Splicing time: Typical 6 sec (Quick Model) 10. Spice lose estimate: Available 11. Sleeve heating time: 9 secs (S-45 Sleeve, 15-45 mode), 13 secs (15-60 Sleeve, IS-60 mode) 12. Applicable protection sleeve:32mm, 40mm, 60mm (Fiber)/28mm or 32mm (Connector) 13. Storage of splice result: The last 10,000 results to be stored in the internal memory (Image 10,000 results) 14. Tension test :1.96N-2.25N 15. Operating conditionsAltitude: 0-5.000m above sea level, Temperature: 10°C-soc Humidity 0-95% Wind 15m/s, Non-condensing Dust Proof Water Proof Shock proof 16. Storage conditions Temperature: 40°C-80°C Humidity 0-95% 17. Dimensions130(W)x 158(L) x 138(H)mm (Excluding rubber) 18. Weight :2.25kg (Including battery) 19. Viewing method and display: Two CMOS cameras and 5.0-inch color LCD monitor with Electrostatic touch screen 20. Fiber view and magnification: X/Y 200x Max 670x 21. Power supply :100-240V 22. Battery life with heat-shrink: Typical 270 cycles(4,700mAh) 23. Electrode life: Up to 18.000 splices 24. Terminal: USB, External power (DC 12V available for cigar jack)

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		25. Attachable Fiber Cleaver and stripper 26. Battery :4700mAh 27. Alcohol dispenser 28. Electrode: E1-23 29. Cleaver Blade :B1-07
4	Fiber Circulator	1. Wavelength Range :400-1600nm, SMF FC/PC, 2. Transfer Insertion Loss:0.8 dB (port 1 and 2) 3. Transfer Insertion Loss:0.8dB (port 2&3),0.5dB(port 3&2) 4. Max power Level :2w(ware fiber) and 4w(Spliced) 5. Multimode Fused Fiber Circulators/Combiners 6. High Coupling Efficiency 7. Mode Insensitive 8. Wavelength Insensitive Throughout Operating Wavelength Range 9. Non-Reciprocating 10. Suitable for Fluorescence, Spectroscopy, or Optogenetics Applications 11. Connector FC/PC

Sd/-2.