

**Lt.No. 197 /CoE/BU/2023**

**Date:11/11/23**

**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-20.11.2023. 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](http://www.buodisha.edu.in)



**Coordinator  
CoENSTds  
Berhampur University**

### **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. Technical Bid and Financial Bid should be placed in separate sealed covers duly superscribed each and send the same in a sealed cover superscribed with the "quotation call Number" through speed post /Registered post only addressed to **Co-ordinator CoENSTds, 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. Bidders have also the option to quote only PART-A or PART-B, or PART-C.
5. These quotations shall remain in force for the Financial Year 2023-24.
6. Materials in good condition should be delivered at CoENSTds through the Central Stores, Berhampur University, BhanjaBihar, Berhampur-760007.
7. In case of imported articles, the selected firm will take necessary steps for exemption of Custom Duty etc. at its own risk.
8. 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.
9. Quotation/Tender, incomplete in any respect, are liable for rejection.
10. 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.
11. Legal Dispute, if any, shall be within the Jurisdiction of Civil Court, Berhampur, Dist.- Ganjam, Odisha.
12. Depending on the urgency of the situation, penalty shall be imposed in case of delay in delivery of goods and services.
13. 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.
14. Any query relating to the optical fiber components and Spin coater, please contact coordinator of COENSTds. Berhampur University via Mail ID: **skt.phy@buodisha.edu.in**.

Sl No	Description	Quantity
<b>PART-A</b>		
1.	Ø12.7 mm Precision Kinematic Mirror Mount with 3 Adjusters and Removable Knobs M4 Taps	4
2.	Ø1/2" Broadband Dielectric Mirror 400 -750 nm	4
3.	Ø1" Broadband Dielectric Mirror 750 -1100 nm	4
4.	SM1-Threaded Precision Kinematic Mirror Mount for Ø1" Optics 3 Adjusters	4
5.	F230APC-780 - 780 nm, f = 4.51 mm, NA= 0.55 FC/APC Fiber Collimation Pkg.	4
6.	Ø12.7 mm Universal Post Holder Spring-Loaded Locking Thumbscrew L = 50 mm 5 Pack	4
7.	Ø12.7 mm Universal Post Holder Spring-Loaded Locking Thumbscrew L = 50 mm	4
8.	Ø12.7 mm Optical Post SS M4 Setscrew M6 Tap L = 40 mm 5 Pack	4
9.	Ø12.7 mm Optical Post SS M4 Setscrew M6 Tap L = 40 mm	4
10.	RSP1/M - Rotation Mount for Ø1" (25.4 mm) Optics, M4 Tap	2
11.	Ø1/2" Zero-Order Half-Wave Plate Ø1" Mount 405 nm	1
12.	WPH05M-808 - Ø1/2" Zero-Order Half- Wave Plate, Ø1" Mount, 808 nm	1
13.	f = 300 mm Ø1" Achromatic Doublet ARC:400 - 700 nm	2
14.	f = 30.0 mm Ø1/2" Achromatic Doublet ARC: 400 - 1100 nm	2
15.	Lens Mount with Retaining Ring for Ø1" Optics M4 Tap	4
16.	1" Polarizing Beam-splitter Cube 620 – 1000 nm	2
17.	Premium Band-pass Filter Ø25 mm CWL = 810 nm FWHM = 10 nm	2
18.	FPC033 - Fiber Polarization Controller, 3 Ø27 mm Paddles, 780HP, FC/APC Connectors	2
19.	Ø25 µm 0.10 NA FC/PC-FC/PC Fiber Patch Cable 2 m	8
20.	48.6 mm x 48.6 mm Kinematic Platform Mount	2
21.	Large Adjustable Clamping Arm, M4 x 0.7 Threaded Post	2
22.	PN780R5F2 - 2x2 PM Coupler, 780 ± 15nm, 50:50 Split, ≥18 dB PER, FC/PC Connectors	2
23.	LX10/M - Self-Contained 25 mm Translation Stage, M6 x 1.0 Taps	2
25	PPKTP-TYP(II) Crystal	1
26	Photonic Crystal Fiber	1 meter
<b>PART-B</b>		
1.	Automatic Spin coating System ( <b>Specifications metioned below</b> )	1
<b>PART-C</b>		
1	Ferrule Converter, SMA Termination to 11mm Standard Ferrule	1
2	Ferrule Converter, ST Termination to 11mm Standard Ferrule	1
3	F-AM-ST Bare Fiber Adaptor, Multi-mode, ST Connector	1
4	F-AM-SMA Bare Fiber Adaptor, Multi-mode, SMA Connector	1
5	F-AS-ST Bare Fiber Adaptor, Single-mode, ST Connector	1

## **SPECIFICATIONS OF SPIN COATING SYSTEM**

- Micro-controller and PC controlled.
  - High speed DC motor for fast speed reaching.
  - Speed Range: 50 - 12,000 R.P.M. or better
  - +- 1% Error across the full speed range or better.
  - Precision programmable acceleration range 40-6000 RPM/Sec
- [based on a Glass Substrate of Dimension 1.5" (L) X 1" (W) & Thickness 0.05"]
- Programmable controlling duration range 1-9999 Sec/step.
  - Real-time Display of R.P.M., Timing & other Parameter Status on Graphical LCD Console; exportable in PC mode.
  - Multi-user program saving option with multi-step provision for each program.
  - USB port interface. [for PC control]
  - Graphical High pixel Touch HMI display unit with user friendly GUI interface.
  - PTFE coated Working Chamber (for chemical compatibility): 10" diameter or better
  - User-friendly Firmware Interface.
  - Warm Up and Calibration options in both standalone & PC modes.
  - In situ sample dispensing port should be available
  - Availability of N<sub>2</sub> & other inert gas purging ports.
  - Spill drainage facility should be provided.
  - An integrated lid interlock should be provided for additional security.
  - Display touchable vacuum release switch should be provided.
  - Display touchable lid interlock should be provided for additional security.
  - Integrated power on/off switch must be included.
  - Power: Universal Input.
  - Vacuum Pressure: 200-400 mm-Hg.

### **Substrate Holder**

Substrate Holder (5mm, 10 mm, 15 mm, 25 mm, 40 mm & 50 mm) Dia

### **Temperature Controller**

- Programmable Temperature Range: Ambient to 70°C or better
- Continuous Controlling of Set Temperature
- Real-time Temperature Display
- Wattage: 200 watt
- Power Input: Indian Standard

### **Oil-free Vacuum Pump**

- Power Input: Indian Standard
- Power: 80 W or better

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- Vacuum: -735 mm/Hg or better
- Flow Rate: 6-20 l/min or better
- Motor Rotation: 1,450 R.P.M or better
- Capacitance: 3  $\mu$ f 450 V or better
- Horse Power:  $\frac{1}{2}$  HP or better
- Noise Level: 52 dB or better
- Current: 0.4 A
- Moisture Trap should be provided.
- Vacuum Regulator must be available.
- Overflow Protection should be provided.

*S. K. Pal*

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



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