

# YOGI VEMANA UNIVERSITY

Department of Materials Science & Nanotechnology  
Vemanapuram, KADAPA-516003, Andhra Pradesh, INDIA

**Dr.M.V.SHANKAR**

Associate Professor &  
Principal Investigator,  
MNRE: YVU-CECRI Project



Phone: +91-9966845899

E-mail: [shankar@yogivemanauniversity.ac.in](mailto:shankar@yogivemanauniversity.ac.in)

No.YVU/MSNT/MNRE: YVU-CECRI/ MVS/Qt-1/ Equip/Xe-lamp with Acc./2015-16

23.05.2016

Dear Sir,

**Sub:** Yogi Vemana University - Department of Materials Science & Nanotechnology - MNRE: YVU-CECRI Collaborative Project – Supply of Light Source: Xe-lamp with cut-off and band pass filters, cold water circulation system along with accessories – Call for Quotations- **LAST DATE EXTENDED UPTO 30.05.2016** - Reg.

**Ref:** Vice-Chancellor's Proceedings No.YVU/DEV/MVS/MNRE/Requirements and JRF/Permi/IQ/2015-16 dt.22.01.2016

I am to inform you that **“Light Source: Xe-lamp with cut-off and band pass filters, cold water circulation system along with accessories”** required to carryout the MNRE:YVU-CECRI research project at Dept of Materials Science and Nanotechnology, Yogi Vemana University, Kadapa. I therefore request you to kindly send your lowest quotation directly to The Registrar, Yogi Vemana University, Vemanapuram, Kadapa – 516 003, Andhra Pradesh by Registered Post / Speed Post / Courier or parties can visit university and deposit the sealed quotations in the Drop Box available at Registrar's office in triplicate on or before 30.05.2016 [**LAST DATE EXTENDED UPTO 30.05.2016**]. The following specifications may be quoted.

**Light Source:** Xe-lamp with cut-off and band-pass filters, cold water circulation system along with accessories

Sl. No.	Description
1	<b>Light Source:</b> <ul style="list-style-type: none"><li>Highly stabilized 300 Watt Xe arc lamp source (or equivalent)</li><li>Light Source should includes all necessary items like lamp housing, Power supply, lamp etc.</li><li>Condenser should be better than or equivalent to F/1</li><li>Power Supply should have Constant Power, Current and Intensity control modes.</li><li>USB or RS-232 communication is preferable.</li><li>Should be CE certified and should compliant with RoHS.</li><li>Line regulation should be <math>\leq 0.02\%</math></li><li>Light Ripple <math>&lt; 2\%</math> rms</li><li>Flexible beam diverting head should be included.</li><li>Illumination area should be minimum of 1.3 Inch Diameter to maximum of 2x2 inch.</li><li>Power supply should be able to vary the input power to the lamp (atleast <math>\pm 20\%</math> ), so that, we can vary the lamp intensity.</li></ul>
2.	<b>Accessories:</b> <ul style="list-style-type: none"><li>Coldwater circulation system or IR removal filter should be provided for safety of optics</li></ul>

	<ul style="list-style-type: none"> <li>• 2x2 inch VIS &amp; VIS-IR Filter should be provided with filter holder</li> <li>• 2x2 inch Band Pass Filters should be provided for 400,450 and 600 nm wavelength. Band pass <math>10 \pm 5</math> nm.</li> <li>• The system should have provision to perform as a Solar Simulator. Please quote for the items required to convert Light Source into Solar Simulator.</li> <li>• Power meter and NIST Traceable Calibrated Thermopile detector for measuring output irradiation from <math>\leq 1</math> milli watt to 9 Watt range.</li> <li>• Beam tuning assembly and Beam tuning mirror shall be provided</li> <li>• Neutral density filters and apertures shall be included</li> <li>• Additional Accessories: Any additional accessories required for the system may also indicate in a detailed quotation,</li> <li>• Warranty: 12 months</li> </ul>
3.	<b>Inverter Split Air-Conditioner (Supplier should quote in Indian rupees)</b> Branded Inverter Split Air-conditioner with following specification: Capacity 1.5 ton, Multi-fan speed, Wide angle Air flow, Dry mode, Advanced filters for clean air and branded stabilizer. Warranty: 12 months
4.	<b>Un-interrupted Power Supply (Supplier should quote in Indian rupees)</b> 5/6 KVA UPS system for 140 minutes back up from reputed manufacturer. Warranty: 12 months
5.	<b>Colour Laser Printer (Supplier should quote in Indian rupees)</b> Branded laser colour printer with following specification: Connectivity – standard 2.0 and wireless capability, Paper size –A4, Letter and Legal, Print speed: black – upto 16 ppm, colour - upto 4 ppm, Resolution – 600 x 600 dpi (min.); compatible Operating systems - Windows 8, Windows 7 and Windows XP, Warranty: 12 months.
6.	<b>Packing, forwarding and Transport Charges to University:</b>
7.	<b>Installation &amp; Commissioning:</b>

1. The sealed quotations should invariably be super scribed as “Supply of Light Source: Xe-lamp with cut-off and band pass filters, cold water circulation system along with accessories against enquiry No.YVU/MSNT/MNRE: YVU-CECRI/ MVS/Qt-1/ Equip/Xe-lamp with Acc./2015-16 dated 25.04.2016” due date 30.05.2016 and send to **The Registrar, Yogi Vemana University, Kadapa, Andhra Pradesh, Pin 516 003.**
2. Please enclose manufacturer’s certificate, if you are the manufacturer of the above item or Authorized Distributors/ Own subsidiary of the above items. You are also requested to send the catalog if any.
3. The quotations which are not sealed and super scribed as above will be rejected.
4. The last date of receipt of the quotation should invariably super scribed on the envelop.
5. Vendor should have minimum of 3 installations in south India for Photochemical reaction set-up.
6. The university is exempted from the Excise Duty as per the Govt. Notification No.10/97 Central Excise 1 march, 1997 and Customs duty exemption as per Govt. Notification No.51/96-Customs dated 23 July 1996.
7. The university is not responsible for the postal/courier delays.

**Sd/-**  
**Principal Investigator**  
**MNRE:YVU-CECRI Project**  
**Yogi Vemana University**  
**Kadapa**