



**Astronomical Observatory, Observatory Hills, Thiruvananthapuram-695033 Kerala**

**No. OBS/ 19 /2022-2023**

**10.08.2022**

**QUOTATION NOTICE**

Quotations are invited for the purchase of following items for research purpose. Kindly quote lowest price for best quality items and the price may include admissible GST reductions. The items should be delivered at Astronomical Observatory, Observatory Hills, University of Kerala, Thiruvananthapuram-695033, Kerala without any transportation/extra charges.

**HEAD: EQUIPMENT**

S. No	Items	Specification
1	Camera for Astrophotography.	<ul style="list-style-type: none"> <li>• <b>Sensor:</b> 36 x 24mm 30.3MP CMOS sensor or better</li> <li>• <b>ISO range:</b> 100-40,000</li> <li>• 4K - Auto: 100-12800, H: 25600, H: 32000, H1: 51200, H2: 102400, Full HD/HD - Auto: 100-25600, H: 32000, H1: 51200, H2:102400</li> <li>• <b>Live View:</b> magnify image 5x, 10x or 30x for manual focusing</li> <li><b>Colour Filter Type:</b> Primary Colour with increased H<math>\alpha</math> light Transmission rate</li> <li><b>Lens Mount:</b> RF (Adaptors to be provided: EF to EOS R adaptor, EF to EOS R adaptor with control ring, and/or EF to EOS R drop-in filter adaptor. T ring for 14" Refractor Telescope, T ring for 11" Refractor Telescope)</li> <li><b>Auto Focus working range:</b> EV -6 – 18 (at 23°C &amp; ISO100)</li> <li><b>Exposure Control:</b> Real-time with image sensor, 384-zone metering.</li> <li><b>Shutter:</b> Electronically-controlled focal-plane shutter 1/8000 to 30 Seconds,</li> <li><b>White Balance:</b> Auto white balance with the imaging sensor</li> <li><b>Viewfinder:</b> 0.5-inch OLED colour EVF</li> <li><b>Flash:</b> E-TTL II Auto Flash, Metered Manual</li> <li><b>Colour Sampling:</b> 4K - Full HD/HD</li> <li><b>Interface: Computer-</b> SuperSpeed USB 3.1 USB C connector Wireless LAN (IEEE802.11b/g/n) (2.4 GHz only), with Bluetooth support 9 Features supported - EOS Utility, Smartphone, Upload to Web, Wireless printing</li> <li><b>Software-</b> raw image processing, Utility tools, camera connect app (iOS/android)</li> <li><b>Power Source-Battery Charger (spare to be provided), Battery pack,</b> Rechargeable Li-ion Battery (standard nos) (spare set to be quoted)</li> <li><b>Accessories:</b> Wireless File Transmitter, Lenses- RF, Lens adapters, Flash, Remote Controller / Switch, GPS receiver, Battery grip</li> <li><b>T-Ring adapter nose-pieces:</b> 1.25" and 2"</li> <li><b>Memory card:</b> SD / SDHC / SDXC (Additional number to be quoted)</li> </ul>



		<p><b>Data Processing System:</b> Dedicated 64-bit CPU &amp; GUI for networking and data processing</p> <p><b>Vendor should quote for T ring adapters compactible to Celestron 14" and 8" SCT so that camera can be connected to these telescopes.</b></p>
2	Optional RF lenses:	<p>1. RF 15-35mm f/2.8 L IS USM.</p> <p>2. RF 24-240mm f4-6.3 IS USM.</p>
3	Optional imagers	<p>1. Celestron- NEXIMAGE BURST COLOR</p>

The firms who wish to supply the items are requested to submit the sealed quotations to "Dr. R. Jayakrishnan, Honorary Director, Astronomical Observatory, Observatory Hills, University of Kerala, Thiruvananthapuram, Pin-695033, Kerala" on or before 12.09.2022 by 03:00 pm. The quotations will be opened at 03:00 pm on 13.09.2022 in presence of vendors then present, following COVID19 restrictions imposed by Government. The sealed cover should be super scribed with "Quotation under Ref No \_\_\_\_\_ for item **DSLR CAMERA FOR ASTROPHOTOGRAPHY**"

**Conditions**

1. Total amount including all charges and taxes should be quoted.
2. GST % details should be mentioned (GST No of University: 32AAJU0328FIZJ)
3. Complaints with the items supplied should be rectified/ replaced to the satisfactions of the university by the suppliers at their own cost.
4. Payment will be made only after the installation of the items at our own site.
5. The undersigned reserves the right to reject/accept any quotation without assigning any reason.
6. The camera should have 3-year onsite warranty.

Dr. R. Jayakrishnan



**DIRECTOR**  
 ASTRONOMICAL OBSERVATORY  
 OBSERVATORY HILLS  
 University of Kerala  
 Thiruvananthapuram