



Astronomical Observatory, Observatory Hills, Thiruvananthapuram-695033 Kerala

No. OBS/ 11 /2023-2024

02.12.2023

### Re-Invitation QUOTATION NOTICE

Quotations are invited for the purchase of the following items for research purposes. Kindly quote the lowest price for the best quality items inclusive of the GST rates applicable. The items should be delivered to Astronomical Observatory, Observatory Hills, University of Kerala, Thiruvananthapuram-695033, Kerala without any transportation/extra charges.

#### HEAD: Optical Accessory for Telescope

S. No	Items	Specification
1	Camera for Astro-photography	<p><b>Sensor:</b> 36 x 24mm 30.3MP CMOS sensor or better</p> <p><b>ISO range:</b> 100-40,000</p> <p>4K - Auto: 100-12800, H: 25600, H: 32000, H1: 51200, H2: 102400, Full HD/HD - Auto: 100-25600, H: 32000, H1: 51200, H2:102400</p> <p><b>Live View:</b> magnify image 5x, 10x or 30x for manual focusing</p> <p><b>Colour Filter Type:</b> Primary Colour with increased H<math>\alpha</math> light Transmission rate</p> <p><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)</p> <p><b>Auto Focus working range:</b> EV -6 – 18 (at 23°C &amp; ISO100)</p> <p><b>Exposure Control:</b> Real-time with image sensor, 384-zone metering.</p> <p><b>Shutter:</b> Electronically-controlled focal-plane shutter 1/8000 to 30 Seconds,</p> <p><b>White Balance:</b> Auto white balance with the imaging sensor</p> <p><b>Viewfinder:</b> 0.5-inch OLED colour EVF</p> <p><b>Flash:</b> E-TTL II Auto Flash, Metered Manual</p> <p><b>Colour Sampling:</b> 4K - Full HD/HD</p> <p><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</p> <p><b>Software-</b> raw image processing, Utility tools, camera connect app (iOS/android)</p> <p><b>Power Source-Battery Charger (spare to be provided), Battery pack,</b> Rechargeable Li-ion Battery (standard nos) (spare set to be quoted)</p> <p><b>Accessories:</b> Wireless File Transmitter, Lenses- RF, Lens adapters, Flash, Remote Controller / Switch, GPS receiver, Battery grip</p> <p><b>T-Ring adapter nose-pieces:</b> 1.25" and 2"</p> <p><b>Memory card:</b> SD / SDHC / SDXC (Additional number to be quoted)</p> <p><b>Data Processing System:</b> Dedicated 64-bit CPU &amp; GUI for networking and data processing</p>

2	Optional RF lenses:	<ol style="list-style-type: none"> <li>1. RF 15-35mm f/2.8 L IS USM.</li> <li>2. RF 24-240mm f4-6.3 IS USM.</li> </ol>
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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 20.12.2023 by 03:00 pm. The quotations will be opened at 03:00 pm on 21.12.2023 in presence of vendors then present. 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.



A handwritten signature in black ink, appearing to read "Dr. R. Jayakrishnan".

Dr. R. Jayakrishnan

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