

**Notice For Best Offer  
(Website Copy)**

**CENTRE FOR INTERDISCIPLINARY SCIENCES  
JIS INSTITUTE OF ADVANCED STUDIES AND RESEARCH (JISIASR) KOLKATA  
JIS UNIVERSITY  
GP BLOCK, SECTOR-V, SALT LAKE, KOLKATA-91**

**Dated: 22/12/2023**

<b>Notice No. CIS/SERB/2021/005113/ Accessory for 3DP-2 /PS-4/23-24</b>
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JIS Institute of Advanced Studies and Research (JISIASR) Kolkata is in the process of purchasing following item(s) as per details as given as under.

<b>Details of the item</b>	<b>Accessory for 3D Bioprinter-2 (Cellular Image Unit)</b>
<b>Warranty</b>	<b>3 Years</b>

Best offers are invited from the qualified seller to supply the above item. The detailed specifications and “Terms & Conditions” are provided in the following sections.

Quotations can be sent on or before **12 noon of January 10-2024** through the sealed registered post addressed to:

Dr. Prosenjit Saha  
Assistant Professor and Head  
Centre for Interdisciplinary Sciences (CIS)  
JIS Institute of Advanced Studies and Research  
17<sup>th</sup> Floor Arch Waterfront Building  
GP Block, Sector-V, Salt Lake City  
Kolkata-700091, WB  
Email: [prosenjitpoly@jisiasr.org](mailto:prosenjitpoly@jisiasr.org)

## **TECHNICAL SPECIFICATION OF THE CELLULAR IMAGE UNIT:**

Phase Contrast with Universal Condenser (**Bright Field, Dark Field and Phase Contrast**)

**Stand:** Single mould Sturdy stand with anti-rust materials. Extended base with hand rests for enhanced stability and comfort.

**Viewing Bodies:** Side and top Trinocular tube 30° inclined, 360° rotatable,

**IPD:** Inter-pupillary distance adjustable 48-75mm. Vacuum coated Prism for better transmission and anti-fungus character.

**Eyepieces:** Wide Field focusable paired eyepiece WF10x/22mm, with foldable eye guard, anti-fungus coating. Graduated ring for setting of individual Eye Adoptor.

**Nosepiece:** Reverse angle

**Quadruple nosepiece** (Ball bearing type) with click stops and rubber grip, anti-fungus coating. PAR-CENTERED & PARFOCAL on CNC Machines.

**Objectives:** RP series DIN Infinity Corrected 4x & Phase Plan Achromatic objectives 10x, 20x & 40x (spring loaded) anti-fungus coating.

**Mechanical Stage:** RACKLESS X-axis, double plate mechanical stage size 200 x 160mm X/Y travel range 78 x 54mm. Low drive movement controls.

Hard coated surface for scratch resistance. Slide holder to accommodate up-to two slides.

**Condenser:** Sub-Stage Universal Condenser BF/DF condenser allows observation of bright field, phase contrast and dark-field images without exchanging condensers. Compressing of phase telescope, Adapter for phase telescope, centerable phase turret, green and blue filter. Phase Contrast observation 10x to 40x and Dark-Field Observation 10x to 40x.

**Focusing:** Co-axial coarse and fine focusing on ball drive system for extremely smooth operation.

**Illumination:** LED illumination with variable illumination control. Rechargeable Lithium Ion Battery Provide long Hours of Battery Backup in case of electricity failure OR Halogen 6V-20W illumination with variable illumination control.

Quintuple ball bearing nosepiece, ̳ High resolution infinity corrected Plan Achromatic Objectives

with Multi-layer Coating & Anti- Fungus treated

Reckless Mechanical stage

**Terms & Conditions Details: As per JIS Groups' terms and conditions**