



# University of Kashmir

## Centre of Research for Development

No: F (Tender/Equip)/CORD/KU/2017-INSPIRE/TB

Dated: 17-07-2017

### Tender Notice

#### For supply of equipments

For supply of equipment sealed tenders affixed with revenue stamps worth Rs. 6 /= are invited from Registered Dealers/ Suppliers for supply of following equipments. The tenderer should have TIN number and an up-to-date VAT clearance certificate and should enclose detailed catalogue number and a letter from the principle manufacturer of the equipment along with the tender. The rates quoted should be inclusive of all taxes and supply should be made to the undersigned within CORD, University of Kashmir. Earnest money of an amount of Rs. 5,000/- pledged in the name of undersigned be enclosed with the tender. The successful bidder will provide a certificate to the effect that after -sale service will be made available.

The last date for submission of the tender documents in person or by post to the undersigned is upto **12-08-2017**.

Name of Equipment	Specifications	Quantity
<b>1. Camera Trap- Long Range IR (Model 1224)</b>	<b>Flash Technology-</b> <i>Infrared with 850nm LEDs to provide best IR image quality and longest range.</i> <b>Flash Power-</b> <i>20 high-power IR LEDs - with Flash range upto 100 feet.</i> <b>Trigger Speed-</b> <i>1/4 second, to capture moving animals before they move beyond the view of the camera.</i> <b>Recovery Speed-</b> <i>1 to 2 seconds</i> <b>Battery System-</b> <i>AA size battery, quantity 8</i> <b>Battery Life-</b> <i>Up to 12 months - Over 10,000 images</i> <b>Day Images-</b> <i>Full color, 5MP or 20MP color images with stunning clarity.</i> <b>Night Images-</b> <i>IR black and white, 5MP or 20MP quality</i> <b>Image Imprint-</b> <i>Date, time, moon phase, CAM ID, Black bar identification for easy reading.</i> <b>Zone Control-</b> <i>Yes (Select wide or narrow)</i> <b>Time Lapse-</b> <i>10 seconds to 24 hours</i> <b>Camera Delays-</b> <i>1 second to 60 minutes</i> <b>Burst Mode-</b> <i>1 to 5 images</i> <b>Day &amp; Night Modes-</b> <i>Separate day and night, separate delays, time lapse, images, video, and burst for day and night.</i> <b>No Card Mode-</b> <i>Yes, camera should continue to record</i>	<b>20 Nos</b>

	<p>images without an SD card.</p> <p><b>Operating Modes-</b> <i>EZ, Advanced &amp; Surveillance</i></p> <p><b>Video-</b> <i>Yes – 10, 20, or 30 seconds</i>, plus a default image when the video is recorded.</p> <p><b>HD-Size Images-</b> <i>Yes (16:9)</i></p> <p><b>Full-Size Images-</b> <i>Yes (4:3)</i></p> <p><b>Genius Mount-</b> <i>Yes</i>, for easy deployment of camera when the mount is separated from the camera.</p> <p><b>Warranty Tracker-</b> <i>Yes</i></p> <p><b>5.2.1 Warranty-</b> <i>Yes</i>, 1-year standard warranty. 2-year free extended warranty with online registration. 5-year reduced cost replacement program.</p> <p><b>Approximate Dimensions-</b> <i>5 x 3 x 2.4 in inches</i></p>	
<p><b>2. Hot Air Laboratory Oven</b></p>	<p><b>MATERIAL</b></p> <p><b>Size/Measurements-</b> 24"x 24"x 36"</p> <p><b>Capacity in liters-</b> Above 300 L</p> <p><b>Body-</b> Tipple walled</p> <p><b>Corrosion resistant-</b> YES</p> <p><b>Door-</b> fully insulated with lock hinges and ventilation</p> <p><b>Shelve type-</b> G.I. wire mesh shelves.</p> <p><b>Number of shelves-</b> 3-4, adjustable for different heights</p> <p><b>OPERATIONAL SPECIFICATIONS</b></p> <p><b>Outer surface-</b> power coated for insulation (enamel paint)</p> <p><b>Inner chamber-</b> Stainless steel 304 grade</p> <p><b>Gaping material-</b> between inner &amp; outer walls of chamber should be filled with high grade mineral glasswool of thickness 4" for maximum thermal efficiency.</p> <p><b>Heating element-</b> three heating elements on three sides of the equipment for uniform temperature on all shelves</p> <p><b>Air circulating fan-</b> YES</p> <p><b>Air ventilations-</b> YES</p> <p><b>Temperature range-</b> 20°C Above ambient to 250°C</p> <p><b>Temperature accuracy-</b> ± 1°C</p> <p><b>Digital temperature and timer display-</b> YES</p> <p><b>Temperature control-</b> should be thermostat controlled by Microprocessor based Auto Tune PID controller with 0.01 resolution &amp; PT 100 as sensor and with control switches.</p> <p><b>Input operation-</b> 230V, 50Hz single phase AC supply</p> <p><b>Voltage control-</b> Inbuilt voltage stabilizer for use during low voltage supply</p> <p><b>Inbuilt voltage stabilizer-</b> YES</p>	<p><b>01 No</b></p>
<p><b>3. iButton Hygrochron temperature and humidity logger (DS1923- F5#)</b></p>	<p><b>KEY FEATURES</b></p> <ul style="list-style-type: none"> <li>❖ <b>High Accuracy, Full-Featured Digital Temperature and Humidity Logger Simplifies Temperature Data Collection and Dissemination of Electronic Temperature Record</b></li> <li>• Digital Hygrometer Measures Humidity with 8-Bit</li> </ul>	<p><b>05 No</b></p>

	<p>(0.6%RH) or 12-Bit (0.04%RH) Resolution</p> <ul style="list-style-type: none"> <li>• Temperature Accuracy Better Than <math>\pm 0.5^{\circ}\text{C}</math> from <math>-10^{\circ}\text{C}</math> to <math>+65^{\circ}\text{C}</math> with Software Correction</li> <li>• Measures Temperature with 8-Bit (<math>0.5^{\circ}\text{C}</math>) or 11-Bit (<math>0.0625^{\circ}\text{C}</math>) Resolution</li> <li>• Operating Range: <math>-20^{\circ}\text{C}</math> to <math>+85^{\circ}\text{C}</math>; 0 to 100% RH</li> <li>• Automatically Wakes Up, Measures Temperature and/or Humidity, and Stores Values in 8kB of Data-Log Memory in 8-Bit or 16-Bit Format</li> <li>• Built-In Capacitive Polymer Humidity Sensor for Humidity Logging</li> <li>• Sampling Rate from 1s Up to 273hr</li> <li>• Programmable High and Low Trip Points for Temperature and Humidity Alarms</li> <li>• Programmable Recording Start Delay After lapsed Time or Upon a Temperature Alarm Trip Point</li> <li>• 512 Bytes of General-Purpose Memory Plus 64 Bytes of Calibration Memory</li> <li>• Two-Level Password Protection of All Memory and Configuration Registers</li> <li>• Individually Calibrated in a NIST-Traceable Chamber</li> <li>• Calibration Coefficients for Temperature and Humidity Factory Programmed Into Nonvolatile (NV) Memory</li> </ul> <p>❖ <b>Rugged Construction Survives Harsh Environments</b></p> <ul style="list-style-type: none"> <li>• Hydrophobic Filter Protects Sensor Against Dust, Dirt, Contaminants, and Water Droplets/ Condensation with IP56 Enclosure Rating</li> <li>• CE, FCC, and UL913 Certifications</li> </ul> <p>❖ <b>Simple Serial Port Interfaces to Most Microcontrollers for Rapid Data Transfer</b></p> <ul style="list-style-type: none"> <li>• Communicates to Host with a Single Digital Signal Up to 15.4kbps at Standard Speed or Up to 125kbps in Overdrive Mode Using 1-Wire Protocol</li> <li>• Quick Access to Alarmed Devices Through 1-Wire Conditional Search Function</li> </ul>	
<p><b>4. USB 1-Wire/iButton Adapter (DS9490B#)</b></p>	<p><b>KEY FEATURES</b></p> <ul style="list-style-type: none"> <li>• High-Speed 12Mbps Universal Serial Bus (USB) Interface</li> <li>• Supports Standard and Overdrive 1-Wire Communication</li> <li>• Slew-Rate-Controlled 1-Wire Timing and Active Pullup</li> </ul>	<p><b>01 No</b></p>

	<p>for Improved 1-Wire Network Performance</p> <ul style="list-style-type: none"> <li>• DS9490R has an RJ11 Interface for Standard Connectivity Accessories such as the DS1402D-DR8</li> <li>• DS9490B has an iButton Interface and Retains a Fixed iButton</li> <li>• Built-In Custom DS2401 Identification Chip</li> <li>• Reads all 1-Wire and iButton Devices. Writes All Except EPROM 1-Wire/iButton Devices</li> </ul>	
<b>5. Nikon Monarch 7i VR Rangefinder</b>	<p><b>Measurement range (m/yd.)</b>- 7.5-915 / 8-1,000</p> <p><b>Distance display (Increment) (m/yd.)</b>- Actual distance: every 0.1 m/yd.</p> <p><b>Accuracy (actual distance) (m/yd.)</b>- ±0.5 m/yd. (shorter than 700 m/yd.), ±1 m/yd. (700 m/yd. and over)</p> <p><b>Finder - Magnification (x)</b>- 6x</p> <p><b>Finder - Effective objective diameter</b>- 21 mm</p> <p><b>Finder - Actual field of view (°)</b>- 7.5°</p> <p><b>Finder - Exit pupil (mm/in.)</b>- 3.5/0.14</p> <p><b>Finder - Eye relief (mm/in.)</b>- 18/0.71</p> <p><b>Dimensions (L x H x W)</b>- 99 x 75 x 48 mm</p> <p><b>Weight (excluding battery)</b>- 200 g</p> <p><b>Power source</b>- CR2 lithium battery x 1 (DC 3V), Automatic power shut-off (after approx. 8 sec. unoperated)</p> <p><b>Laser classification</b>- IEC60825-1: Class 1M/Laser Product, FDA/21 CFR Part 1040.10: Class I Laser Product</p> <p><b>Electromagnetic compatibility</b>- FCC Part15 SubPartB class B, EU:EMC directive, AS/NZS, VCCI classB, CU TR 020</p> <p><b>Environment</b>- RoHS, WEEE</p>	<b>01 No</b>
<b>6. Nikon Monarch 7 8x42 Binoculars</b>	<p><b>Magnification</b>- 8x</p> <p><b>Objective Lens Diameter</b>- 42 mm</p> <p><b>Field at 1,000 yards</b>- 420'</p> <p><b>Relative Brightness</b>- 28.1</p> <p><b>Exit pupil</b>- 5.3 mm</p> <p><b>Close Focus</b>- 8.2'</p> <p><b>Weight</b>- 22.9 oz</p> <p><b>Length</b>- 5.6''</p>	<b>01 No</b>
<b>7. SUUNTO KB-20/360R Yellow Compass</b>	<p><b>GENERAL</b></p> <p><b>Glass material</b>- Acrylic</p> <p><b>Case material</b>- Plastic</p> <p><b>Measurements</b>- 78 x 57 x 20 mm</p> <p><b>Weight</b>- 36 g</p> <p><b>Floating construction</b>- Yes</p> <p><b>Attachment</b>- Lanyard</p> <p><b>COMPASS</b></p> <p><b>Direction scale</b>- degrees</p> <p><b>Needle</b>- card</p> <p><b>Scale</b>- Azimuth 360°, Reversed 360°</p> <p><b>Compass accuracy</b>- 0.5°</p>	<b>01 No</b>

	<b>Compass resolution- 1°</b> <b>Globally balanced- Yes</b> <b>Liquid filled capsule- Yes</b> <b>Adjustable diopter/optics- Yes</b> <b>Saphire bearing- Yes</b>  <b>WARRANTY</b> 2-year warranty	
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