



Form GSOP I-PIN (04/98)

STATE OF CALIFORNIA  
Department of General Services - Office of Procurement

**PURCHASE ORDER**

Purchase Order No. Rev. Date  
**61964** 3/7/2008

Supplier No.	Solicitation No.	Delivery Date	FOB Point	Invoice Terms
801387	56684	30 Days ARO	Destination	

JH TECHNOLOGIES, INC  
2305 PARAGON DR.  
SAN JOSE, CA 95131  
Attn: MICAH HARREL

*S* DEPT OF JUSTICE *C* JUSTICE D-08  
*h* T SEE ATTACHED LIST WITH *h* a T ACCOUNTING  
*i* o LOCATIONS AND QUANTITIES *r* o PO BOX 944255  
*p* *g* e SACRAMENTO, CA 94244

Agency Billing	Agency Purchase Estimate	Purchase Estimate	Revision
43561	N2059	66692	1
Agency Contact		Phone	Date Received
ALEX CALDERON		916-324-6812	

Phone: 408-436-6336

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
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THE GENERAL PROVISIONS FOR NON-IT COMMODITIES ARE HEREBY INCORPORATED BY REFERENCE. THESE GENERAL PROVISIONS CAN BE OBTAINED BY PHONING (916) 375-4400 OR BY ACCESSING OUR WEBSITE AT:

[www.documents.dgs.ca.gov/pd/modellang/GPnonIT0407.pdf](http://www.documents.dgs.ca.gov/pd/modellang/GPnonIT0407.pdf)

THE FOLLOWING INFORMATION IS PROVIDED FOR AGENCY USE ONLY:

PRIME CONTRACTOR: NS  
DVBE SUBCONTRACTOR TOTAL: \$10,252.32

APPLICATION OF DVBE INCENTIVE RESULTED IN AWARD: YES

12	EA	6650-252-0009-1	MICROSCOPE POLARIZING	17,087.2000	205,046.40
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TWELVE (12) POLARIZED LIGHT MICROSCOPES as described in specification Polarized Light Microscope 6650-07BS-004 of two (2) pages dated November 21, 2007.

Brand: LEICA  
Model: DM2500P

Total Value: 205,046.40

ELECTRICAL AND MECHANICAL EQUIPMENT REQUIREMENT

All electrical and mechanical equipment furnished shall comply with the California Administrative Code; Title 8 (Industrial Safety Orders), Title 24 (State Building Standards Law) and Title 17 (Public Health). All electrical equipment furnished shall be grounded, with any exceptions only as approved in the referenced applicable titles.

ONE YEAR MINIMUM WARRANTY AND/OR MANUFACTURER'S WARRANTY REQUIREMENT

Equipment shall be fully warranted to be free from defects in material and workmanship for a minimum warranty period of one year from date of acceptance by the State or include the standard

Sales and/or use tax to be extra unless noted above

Buyer  SHANNON KELLER	Phone 916-375-4606	BOC Number
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STATE OF CALIFORNIA

Department of General Services - Office of Procurement

**PURCHASE ORDER CONTINUATION**

Form GSOP 2-PIN (04/98)

<i>Purchase Order No.</i>	<i>Revision</i>	<i>Date</i>	<i>Supplier No.</i>	<i>Supplier Name</i>
61964		3/7/2008	801387	JH TECHNOLOGIES, INC

<i>Item No.</i>	<i>Quantity</i>	<i>Unit</i>	<i>Commodity Code</i>	<i>Description</i>	<i>Unit Price</i>	<i>Extension</i>
<p>manufacturer's warranty if longer. Vendor shall bear all material, labor and transportation costs for repair of defects and failures occurring within the warranty period.</p> <p><u>TRAINING REQUIREMENT</u></p> <p>Training is to be provided to designated Department of Justice (DOJ) personnel at a location identified by the DOJ. Training shall be designed for a minimum of the (10) students for a minimum of eight (8) hours. Training shall include but not be limited to Polarized Light Theory, basic operations, routine maintenance, software use and camera operation.</p> <p><u>OPERATOR'S MANUAL REQUIREMENT</u></p> <p>Each unit must come with an operator's manual. All manuals to be in English.</p> <p><u>SALES TAX</u></p> <p>Sales tax is not included in the purchase order award. Sales tax should be added at the time of invoicing. The sales tax rate applies should be based on the rate of the area the product is to be delivered to.</p> <p><u>CHANGE ORDERS</u></p> <p>Any Purchase Order resulting from this bid may be amended, modified, or terminated at any time by mutual agreement of the parties in writing. Change orders amending, modifying or terminating the Purchase Order, including any modifications of the compensation payable, may be issued only by the State Procurement Officer. All such change orders shall be in writing and issued only upon written concurrence of the supplier. Termination, as that term is used in this section, does not include termination for default of the supplier.</p> <p>This Purchase order has been registered into the state contact and procurement registration system (<a href="https://www.scprs.dgs.ca.gov/">https://www.scprs.dgs.ca.gov/</a>). The registration number is 08200308291567.</p>						

**1. SCOPE**

This document establishes requirements for a Trinocular polarized light microscopes to be installed at laboratories of Bureau of Forensic Services, Department of Justice, State of California at various locations throughout the state.

**2. APPLICABLE SPECIFICATIONS / STANDARDS**

Specifications and standards referenced in this document in effect on the opening of the Invitation for Bid, form a part of this specification.

**3. REQUIREMENTS**

**General**

- 3.1 Must be current production, using no obsolete components or discontinued models.
- 3.2 Microscope assembly shall be ergonomically friendly.
- 3.3 Stand to have slots for at least three filters.
- 3.4 Ergonomic rheostat and field diaphragm control.
- 3.5  $\geq 100W$  lamp housing with heat protection.
- 3.6  $360^\circ$  Analyzer/Bertrand lens.
- 3.7 Polarizer with  $360^\circ$  rotation.
- 3.8 Slot for compensators.
- 3.9 Nosepiece fitted for attachment of  $\geq 5$  objectives.
- 3.10 Nosepiece shall allow for the parcentric alignment of the objectives.

**Objectives, Condenser and Oculars (Eyepieces)**

- 3.11 Strain Free Objectives for polarized light:
  - 3.12.1  $10\times$  ( $NA \geq 0.30$ ),  $20\times$  ( $NA \geq 0.50$ ) and  $40\times$  ( $NA \geq 0.75$ ) semiapochromats / fluorites,  $10\times$  must have working distance compatible for use with Mettler Hotstage.
  - 3.12.2  $63\times$  ( $NA \geq 0.80$ ) or equivalent planachromat.
  - 3.12.3  $100\times$  ( $NA \geq 1.25$ ) oil immersion or equivalent.
  - 3.12.4 Capability of parcentral alignment of the specimen.
- 3.12 Various objective lenses must be par-focal.
- 3.13 NA Matched Strain-free ( $NA \geq 0.85$ ) condenser with compensator slot for polarized light accessories for objectives  $10\times$  to  $100\times$  and bright field and polarized light.
- 3.14  $10\times$  wide field (22mm) oculars / eyepieces (notched / pinned); adjustable diopters for each eyepiece.
- 3.15 One of the oculars shall have a measuring reticule with crosshair.

**Stage**

- 3.16 Circular and stage shall be center-able and rotate-able 360° with incremental 0.1° vernier measurements.
- 3.17 Stages will include mechanical slide holder with X-Y control of the specimen.

**Camera Port**

- 3.18 A camera port with  $\leq 0.55X$  C-mount adapter must be provided as part of the viewing head or as an adapter that attaches to the head.
- 3.19 Camera mount shall fit the existing Leica DFC420C camera system.

**Accessories**

- 3.20 Compensators:
- 3.18.1 One quarter wave plate.
  - 3.18.2 One full wave plate.
  - 3.18.3 Four order quartz wedge.
- 3.21 Filters:
- 3.19.1 One daylight.
  - 3.19.2 One light neutral density filter.
  - 3.19.3 One dark neutral density filter.
- 3.22 Dust cover for Microscope.

**Installation**

- 3.23 Polarized light microscopes must be installed and approved by user before order is considered complete and filled.

## Solicitation 56684 - Polarized Light Microscopes – Ship to Addresses

Department of Justice  
Central Valley Laboratory  
1306 Hughes Lane  
Ripon, CA 95366  
- 2 Units -

Department of Justice  
Chico Laboratory  
3870 Morrow Lane, Suite A  
Chico, CA 95928  
- 1 Unit -

Department of Justice  
Eureka Laboratory  
1011 West Wabash  
Eureka, CA 95501  
- 1 Unit -

Department of Justice  
Freedom Laboratory  
440 Airport Boulevard, Bldg A  
Watsonville, CA 95076  
- 1 Unit -

Department of Justice  
Fresno Laboratory  
5311 North Woodrow  
Fresno, CA 93740  
- 1 Unit -

Department of Justice  
Redding Laboratory  
9737 Tanqueray Court  
Redding, CA 96003  
- 1 Unit -

Department of Justice  
Riverside Laboratory  
7425 Mission Blvd  
Riverside, CA 92509  
- 2 Units -

Department of Justice  
Sacramento Laboratory  
4949 Broadway, Room F-201  
Sacramento, CA 95820  
- 1 Unit -

Department of Justice  
Santa Barbara Laboratory  
155 David Love Place  
Goleta, CA 93117  
- 1 Unit -

Department of Justice  
Santa Rosa Laboratory  
389 Casa Manana Road  
Santa Rosa, CA 95409  
- 1 Unit -