



Republic of the Philippines  
Department of Health  
Regional Office No. XI  
**SOUTHERN PHILIPPINES MEDICAL CENTER**  
J.P. Laurel Avenue, Davao City



## TECHNICAL SPECIFICATIONS

### **SUPPLY, DELIVERY AND INSTALLATION OF ONE (1) UNIT SLT AND YAG LASER**

(Name of Project)

#### ***Instructions:***

Bidders must state in the column under **Statement of Compliance** the word either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of **ITB** Clause 3.1(a) (ii) and/or **GCC** Clause 2.1(a) (ii).

Bidder may submit offer which provides for superior specifications and /or better terms and conditions to the government at no extra cost. However, these shall not be given any bonus, credit or premium in the bid evaluation

**Prepared by Technical Working Group**

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The bidder is required to complete its Statement of Compliance demonstrating how its items complied with the specification. Non-completion of Statement of Compliance for the item included in its bid shall be considered **non- responsive** for that item.

<i>Item</i>	<i>Procuring Entity's Specification</i>	<i>Bidder's Specification as Technical Offer</i>	<i>Statement of Compliance</i>
<b><u>SUPPLY, DELIVERY AND INSTALLATION OF ONE (1) UNIT SLT AND YAG LASER</u></b>	<b><u>ONE (1) UNIT BRAND NEW SLT-YAG MICROSCOPE</u></b>  <ol style="list-style-type: none"><li>1. Dual mode laser cavity from one single cavity, 532nm and 1064nm</li><li>2. 2 wavelengths (532nm and 1064nm integrated in one single cavity)</li><li>3. Can be connected to Argon Laser compatible with the unit</li><li>4. Laser control system: Microprocessor and programmable logic arrays</li><li>5. Cooling: Air convection</li><li>6. Optimized for viewing the anterior and posterior segment</li><li>7. Blue free illumination</li><li>8. YAG Laser:<ol style="list-style-type: none"><li>a. Laser source: Q-Switched Nd: YAG photodisruptor laser</li><li>b. Wavelength: at least 1064nm (range)</li><li>c. Energy settings: 0.3mJ to at least 10mJ continuously variable</li><li>d. Maximum energy: 30mJ at triple pulse setting</li><li>e. Pulse duration: at least 4 ns (range)</li><li>f. Pulse setting: 1, 2 or 3 pulses per shot</li><li>g. Repetition rate: Up to 2 Hz</li><li>h. Treatment spot size: 10 microns &amp; 8 microns (FWHM)</li><li>i. Beam divergence: at least 16 degrees (range)</li></ol></li></ol>		

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<b><u>SUPPLY, DELIVERY AND INSTALLATION OF ONE (1) UNIT SLT AND YAG LASER</u></b>  <i>(continuation)</i>	<p>9. SLT Laser:</p> <ul style="list-style-type: none"><li>a. Laser source: Q-Switched frequency doubled Nd: YAG Laser</li><li>b. Wavelength: at least 532nm (range)</li><li>c. Energy settings: 0.3mJ to at 2mJ continuously variable</li><li>d. Pulse duration: at least 4 ns</li><li>e. Pulse setting: at least 1 pulse per shot</li><li>f. Repetition rate: Up to 2.5 Hz</li><li>g. Treatment spot size: 400 microns or less</li><li>h. Beam divergence: &lt;3 degrees</li></ul> <p>10. Slit Lamp Delivery System:</p> <ul style="list-style-type: none"><li>a. Type: Galilean stereoscopic microscope with converging optics</li><li>b. Magnification changer: 3 positions (10x, 16x, 25x)</li><li>c. PD adjustment: 48.5 – 80mm</li><li>d. Slit width: 0 to 14mm</li><li>e. Illumination view field: 0.2 – 14mm</li><li>f. Slit rotation: at least 180 degrees</li><li>g. Filters: Cobalt blue</li><li>h. Bulb: LED</li></ul> <p>11. Power requirements: 220-240 VAC, 60 Hz</p>		

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<p><b><u>SUPPLY, DELIVERY AND INSTALLATION OF ONE (1) UNIT SLT AND YAG LASER</u></b></p> <p><i>(continuation)</i></p>	<p><b>Other terms &amp; conditions of acceptability:</b></p> <ol style="list-style-type: none"><li>1. The equipment must be BRAND-NEW and under warranty including spare parts for at least 3 years. Supplier must bind itself to conduct preventive maintenance on a quarterly basis at its own expense (including labor and cost of spare parts).</li><li>2. All machines must be manufactured by a known and reputable company compliant with ISO or its equivalent for equipment only.</li><li>3. The equipment / machine must be able to comply with its installation and operation qualification which would be conducted in the presence of SPMC Biomedical Technician, End-user and the Company Engineer.</li><li>4. In line with the ISO standard requirement, the supplier's engineer or technical personnel must be capable of conducting annual calibration and the issuance of certificate for the said calibration based on the following data:<ol style="list-style-type: none"><li>a. Reference standards</li><li>b. National Institute of Standards and Technology traceability</li><li>c. Reference values</li><li>d. Validity period</li><li>e. Uncertainty of measurement</li></ol></li></ol>		

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