



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



## **ONE (1) LOT LED OPERATING ROOM LIGHTS, DUAL-CEILING TYPE WITH CAMERA SYSTEM**

(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**

## TECHNICAL SPECIFICATIONS

### ONE (1) LOT LED OPERATING ROOM LIGHTS, DUAL-CEILING TYPE WITH CAMERA SYSTEM

*Name of Project*

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>ONE (1) LOT LED OPERATING ROOM LIGHTS, DUAL-CEILING TYPE WITH CAMERA SYSTEM</u></b>	<ul style="list-style-type: none"><li>• <b><u>TWO (2) UNITS LED OPERATING ROOM LIGHTS , DUAL- CEILING TYPE WITH CAMERA SYSTEM</u></b></li></ul> <p><b>Specifications for Dual Ceiling Type Led Operating Room Lights:</b></p> <ol style="list-style-type: none"><li>1. Power supply: 220-240 VAC, 60 Hz</li><li>2. Power: At least 40W</li><li>3. Bulb Life:At least 50000hrs</li><li>4. Color Temperature: 5000k±10%</li><li>5. Light Intensity: 60,000-160,000 / 40,000-140,000LUX</li><li>6. Color-rending Index: ≥96</li><li>7. Facula Diameter: 120-280mm / 90-260mm</li><li>8. Temperature at surgeon's head ≤2°C</li></ol>		

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<b><u>ONE (1) LOT LED OPERATING ROOM LIGHTS, DUAL-CEILING TYPE WITH CAMERA SYSTEM</u></b>  <i>(continuation)</i>	<b>Camera System Specifications:</b> <ol style="list-style-type: none"> <li>1. MODEL : HD Camera</li> <li>2. Resolution: 1920x1080 Pixel</li> <li>3. CCD Transfer mode: 1/3" Cmos</li> <li>4. Distinguishability: at least 2.1 Megapixels</li> <li>5. Standard shutter: N/A</li> <li>6. Length-width ratio: 16:9</li> <li>7. Signal to Noise ratio: &gt;50 dB</li> <li>8. Optical zoom: at least 20times</li> <li>9. Digital zoom: at least 12times</li> <li>10. Focal distance: f=4.5mm to 135mm</li> <li>11. Minimum working distance: 10mm (wide end) to 1000mm (tele end)</li> <li>12. Maximum aperture: f1/6 to f4.4</li> <li>13. Sensitive intensity of illumination: Color: 0.5 lux/black-and-white: 0.1lux</li> <li>14. Image frames</li> <li>15. Automatic focusing</li> <li>16. Contrast enhancement: Yes</li> <li>17. White light balance: Automatic and manual</li> <li>18. Video signal output: HD: HD and SD: 1XCVBS</li> <li>19. Communication protocol: RS -232 and RS-4B5</li> </ol>		

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<b><u>ONE (1) LOT LED OPERATING ROOM LIGHTS, DUAL-CEILING TYPE WITH CAMERA SYSTEM</u></b>  <i>(continuation)</i>	<b>HD Hard Disk Video Recorder Specifications:</b> <ol style="list-style-type: none"> <li>1. Operating system: Embedded Linux operating system</li> <li>2. Image coding standard: H.264</li> <li>3. Video standard: 30fps few Backward compatibility</li> <li>4. Image quality: 1920x1080p or higher</li> <li>5. Playback image quality: PAL, 1080Pixel</li> <li>6. Video input: HD-SDI</li> <li>7. Video output: 1-way VGA, 1way HDMI</li> <li>8. Screenshots function: Support JPEG screenshots function</li> <li>9. Video mode: Manual video, dynamic monitoring video, video regularly</li> <li>10. Video conservation: Local hard disk</li> <li>11. Video speed: 1080Pixel</li> <li>12. Communication: 2 standard 4B5 interface</li> <li>13. One is half duplex, one is full duplex, standard 232 interface</li> <li>14. Hard Disk: 1 Terabyte SATA hard disk</li> <li>15. Power: 220-240VAC, 60 Hz</li> <li>16. Power dissipation: 25-40 W not contain hard disk</li> <li>17. Working temperature: 0- + 55° C</li> </ol>		

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<b><u>ONE (1) LOT LED OPERATING ROOM LIGHTS, DUAL-CEILING TYPE WITH CAMERA SYSTEM</u></b>  <i>(continuation)</i>	<b>Other terms &amp; conditions of acceptability:</b>  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).  2. All machines must be manufactured by a known and reputable company compliant with ISO or its equivalent for equipment only.  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.  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: a. Reference standards b. National Institute of Standards and Technology traceability c. Reference values d. Validity period e. Uncertainty of measurement		

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