



Republic of the Philippines  
Department of Health  
Regional Office I

**MARIANO MARCOS MEMORIAL HOSPITAL AND MEDICAL CENTER**

City of Batac, Ilocos Norte

Trunk line 077-600-8000; Fax line 077-792-3133

e-mail address: [mmmh\\_doh@yahoo.com](mailto:mmmh_doh@yahoo.com)

"PHIC Accredited Health Care Provider"

"ISO 9001:2015 Certified"

"PGS Compliant"

July 12, 2019

**BIDS AND AWARDS COMMITTEE**

**BID BULLETIN No. 2**

**VARIOUS MEDICAL EQUIPMENT**

This Bid Bulletin is being issued to clarify the issues and questions raised during the Preliminary Bid Conference held on **July 10, 2019 at 2:00PM** at the Strategy Room, 6<sup>th</sup> Floor, Laboratory and Diagnostic Building of Mariano Marcos Memorial Hospital and Medical Center, Brgy. 6 San Julian, City of Batac, Ilocos Norte. This Bid Bulletin No. 2 will form an integral part of the bidding documents. The following are the changes in the bidding documents:

PARTICULAR	CHANGES/ADDITIONAL REQUIREMENT
1 <b>SUCTION MACHINE:</b>	<b>SUCTION MACHINE:</b> <i>Inclusions:</i> <ul style="list-style-type: none"> <li>– <u>2 meters tubings for each set</u></li> <li>– <u>10 pcs bacterial filter for each set</u></li> </ul>
2 <b>VITRECTOMY MACHINE WITH EMBEDDED 532 NM ENDOLASER</b> <ul style="list-style-type: none"> <li>– Integrated (built-in) Video Overlay System</li> <li>– Video DFUs (Direction for Use) for instant help on set-up</li> </ul>	<b>VITRECTOMY MACHINE WITH EMBEDDED 532 NM ENDOLASER</b> <ul style="list-style-type: none"> <li>– Integrated (built-in) Video Overlay System <i>(optional)</i></li> <li>– <del>Video DFUs (Direction for Use) for instant help on set-up</del></li> </ul>
3 <b>PICTURE ARCHIVING AND COMMUNICATION SYSTEM (PACS) WITH RADIOLOGY INFORMATION SYSTEM (RIS)</b>  <b>I. General Description and System Components</b> <ul style="list-style-type: none"> <li>– The supplier shall provide the required license for the RIS/PACS software that will allow unlimited access information by the radiologists and referring physicians either for viewing inside the hospital or for remote access. It also include a 3 License for Radiologist, be able to use this feature for reading outside the hospital. The Licenses must be unlimited.</li> <li>– System must be fully integrated to an</li> </ul>	<b>PICTURE ARCHIVING AND COMMUNICATION SYSTEM (PACS) WITH RADIOLOGY INFORMATION SYSTEM (RIS)</b>  <b>I. General Description and System Components</b> <ul style="list-style-type: none"> <li>– The supplier shall provide the required license for the RIS/PACS software that will allow unlimited access information by the radiologists and referring physicians either for viewing inside the hospital or for remote access. It also include a 3 License for Radiologist, be able to use this feature for reading outside the hospital. The Licenses must be unlimited <u>for clinicians</u>.</li> <li>– <del>System must be fully integrated to an</del></li> </ul>



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<p>automated CD/DVD publisher for burning patient studies. CD/DVD Publisher must be able to auto print label after burning the studies. Label must include the hospital designed artwork with patient name and study information.</p> <p><b>II. The Storage System</b></p> <p><b>III. Features and Capabilities of the PACS</b></p> <ul style="list-style-type: none"> <li>It should have a voice cursor annotation to be used by radiologist to communicate with referring physician and allow identifying and describing their findings in the study. The referring doctors can see the findings from any workstation or viewing station or even through remote connection.</li> </ul> <p><b>IV. Worklist Queries and Reports/RIA Features</b></p> <ul style="list-style-type: none"> <li>A clinical folder can created for each patient. The most recent 3 exams shall be included in this folder automatically.</li> </ul> <p><b>V. Image Manipulation and Display Function</b></p> <ul style="list-style-type: none"> <li>p. "Pixel or Point tool" displays the x-y position and original grey scale or Hounsfield value of the pixel under the mouse pointer.</li> <li>s. "Rectangle" and "Polygon" tools measure the area of a drawn rectangle or polygon on the image. As with the "Elliptical" tool, some rectangle and polygon tools can display statistical information regarding the pixel values</li> </ul>	<p><del>automated CD/DVD publisher for burning patient studies. CD/DVD Publisher must be able to auto print label after burning the studies. Label must include the hospital designed artwork with patient name and study information.</del></p> <p><b>II. The Storage System <u>(Network Attached Storage, up to 160 TB capacity)</u></b></p> <p><b>III. Features and Capabilities of the PACS</b></p> <ul style="list-style-type: none"> <li>It should have a voice cursor annotation to be used by radiologist to communicate with referring physician and allow identifying and describing their findings in the study. <u>(optional)</u> The referring doctors can see the findings from any workstation or viewing station or even through remote connection.</li> </ul> <p><b>IV. Worklist Queries and Reports/RIA Features</b></p> <ul style="list-style-type: none"> <li><del>A clinical folder can created for each patient. The most recent 3 exams shall be included in this folder automatically.</del></li> </ul> <p><b>V. Image Manipulation and Display Function</b></p> <ul style="list-style-type: none"> <li>p. "Pixel or Point tool" displays the x-y position and original grey scale or Hounsfield value of the pixel under the mouse pointer <u>(optional, but it should be upgradable)</u>.</li> <li>s. "Rectangle" and "Polygon" tools measure the area of a drawn rectangle or polygon on the image. <u>(optional, but it should be upgradable)</u> As with the "Elliptical" tool, some rectangle and polygon</li> </ul>
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<p>within the drawn shape (optional, but it should be upgradable).</p> <p><b>RADIOLOGY WORKSTATION TOOLS:</b></p> <p><b>B. IMAGE MEASUREMENT</b></p> <ul style="list-style-type: none"><li>- Hounsfield</li><li>- PET CT</li></ul> <p><b>IX. Other Terms and Conditions</b></p> <ul style="list-style-type: none"><li>– The supplier must have an assigned technical or maintenance personnel to be based in Davao City who is/are expert in trouble shooting of PACS software/hardware and image acquisition device. This person can provide corrective measures during system downtime.</li></ul> <p><b>RADIOLOGY INFORMATION SYSTEM (RIS): HOMIS</b></p> <p><b>Connectivity</b></p> <p>8. Real Time billing with HOMIS</p> <p><b>Result Management</b></p> <p>6. SMS feature for result notification (text message)</p> <p>7. View current and previous diagnostic results (laboratory and imaging)</p> <p><b>DELIVERABLES</b></p> <p><b>Experience</b></p> <ul style="list-style-type: none"><li>– 3 years warranty of labor and parts including preventive maintenance</li><li>– If the bidder is not the existing provider of RIS/PACS in the hospital, it should fully integrate the RIS/PACS to the existing system and import all</li></ul>	<p>tools can display statistical information regarding the pixel values within the drawn shape (optional, but it should be upgradable).</p> <p><b>RADIOLOGY WORKSTATION TOOLS:</b></p> <p><b>B. IMAGE MEASUREMENT</b></p> <ul style="list-style-type: none"><li>- Hounsfield (<i>optional, but it should be upgradable</i>)</li><li>- PET CT (<i>optional, but it should be upgradable</i>)</li></ul> <p><b>IX. Other Terms and Conditions</b></p> <p>The supplier must have an assigned technical or maintenance personnel to be based in <u>Ilocos Norte</u> who is/are expert in trouble shooting of PACS software/hardware and image acquisition device. This person can provide corrective measures during system downtime.</p> <p><b>RADIOLOGY INFORMATION SYSTEM (RIS): HOMIS</b></p> <p><b>Connectivity</b></p> <p>8. Real Time <u>connection</u> with HOMIS</p> <p><b>Result Management</b></p> <p>6. SMS feature for result notification (text message)/<u>mobility</u></p> <p>7. View current and previous diagnostic results (laboratory and imaging), <u>to provide links to HOMIS and CDOE</u></p> <p><b>DELIVERABLES</b></p> <p><b>Experience</b></p> <ul style="list-style-type: none"><li><del>— 3 years warranty of labor and parts including preventive maintenance</del></li><li><del>— If the bidder is not the existing provider of RIS/PACS in the hospital, it should fully integrate the RIS/PACS to the existing system and import all</del></li></ul>
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<p>the DICOM images and reports of the existing PACS. Process must be fully complete during the post qualification period within the span of 15 days and must be accepted by the end users and IHOMP staff.</p> <ul style="list-style-type: none"><li>for functionality evaluation, track record and after sales service, the supplier must have at least five (5) installations, at least in a 200 bed hospital</li></ul> <p><b>Computer Server</b></p> <ul style="list-style-type: none"><li>HP 800W/900W Gold AC Power Input Module – Power Supply</li></ul> <p><b>Monitor</b></p> <ul style="list-style-type: none"><li>5 MP 21.3 Grayscale LCD with clear Base LED backlight</li></ul> <p>List seven (7) installations, at least in a 200 bed capacity hospital.</p>	<p><del>the DICOM images and reports of the existing PACS. Process must be fully complete during the post qualification period within the span of 15 days and must be accepted by the end users and IHOMP staff.</del></p> <ul style="list-style-type: none"><li>for functionality evaluation, track record and after sales service, the supplier must have at least <u>three (3)</u> installations, at least in a 200 bed hospital</li></ul> <p><b>Computer Server</b></p> <ul style="list-style-type: none"><li><del>HP 800W/900W Gold AC Power Input Module – Power Supply</del></li></ul> <p><b>Monitor</b></p> <ul style="list-style-type: none"><li>5 MP <i>Medical Grade Monitor</i> <del>21.3 Grayscale LCD with clear Base LED backlight</del></li></ul> <p>List <u>three (3)</u> installations, at least in a 200 bed capacity hospital.</p>
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**OTHER INSTRUCTIONS:**

A copy of this Bid Bulletin should be attached in the last part of the Technical Proposal after the Omnibus Sworn Statement followed by the complete set of the Bidding Documents bought from the Bids and Awards Committee (BAC).

Submission and Receipt of Bids will be on July 24, 2019 at 1:30 PM at the BAC/Procurement Office. The Bid Opening will be on *July 24, 2019 at 2:00 PM at Dr. Juanito Rubio Hall, 2<sup>nd</sup> Floor Training Center Building of Mariano Marcos Memorial Hospital and Medical Center, Brgy. 6 San Julian City of Batac, Ilocos Norte.*

All bids submitted after the deadline shall not be accepted by the BAC. The BAC shall record in the minutes of bid submission and opening, the bidder's name, its representative and the time the late bid was submitted.

All other provisions of the bidding documents which are not affected shall remain in effect.

For guidance and information of all concerned.

  
**LOUIE A. GUERRERO, MD, FPCR**  
BAC Chairperson