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| <b>INVITATION TO BID - Addendum 01</b>   |   | <b>BID DUE DATE AND TIME</b>        |
| BOARD OF SUPERVISORS OF<br>LOUISIANA STATE UNIVERSITY<br>AND AGRICULTURAL & MECHANICAL COLLEGE   |  | <b>04/18/2024    11:00 AM    CT</b> |
| <b>SOLICITATION</b> RFQ-0000002147<br><b>SUPPLIER #</b><br><b>SUPPLIER NAME AND ADDRESS</b><br><div style="border: 1px solid black; height: 100px; width: 100%; margin-top: 10px;"></div>  | <b>RETURN BID TO</b><br><br><div style="font-size: 24px; text-align: center; margin-top: 20px;"><b>lsubids@lsu.edu</b></div><br><b>Buyer</b> Amy Hill Bourgeois<br><b>Buyer Phone</b><br><b>Buyer Email</b> ahill5@lsu.edu<br><b>Issue Date</b> 03/06/2024 |                                     |
| TITLE: Magnetic Resonance Imaging (MRI) Scanning Equipment   |  |                                     |
| Addendum 01: Notice is given to all parties that this solicitation is amended by the University as stated herein. This Addendum is hereby made an official part of this solicitation. See attached inquiries and responses.  |  |                                     |
| <b>To Be Completed By Supplier</b><br><br>1.     _____ "No Bid" (sign and return this page only).<br>2.     _____ My Company does not wish to receive future solicitations for this spend category.<br>3.     Specify your Delivery: To be made within _____ days after receipt of order.<br>4.     If applicable, Supplier's Addendum Acknowledgement/Response:<br>As an authorized agent/signatory of the supplier, I/we acknowledge receipt of this Addendum, and<br>_____ submit no alterations/clarifications to our original bid.<br>_____ submit superseding revisions/clarifications to our original bid as written herein or attached hereto.   |  |                                     |
| <b>General Instructions to Suppliers</b><br><br>1.     Sealed bids for furnishing the items and/or services specified are hereby solicited, and will be received by LSU Procurement at the "Return Bid To" address stated above, until the specified due date and time.<br>2.     Read the entire solicitation, including all terms, conditions and specifications.<br>3.     All bid information and prices must be typed or written in ink. Any corrections, erasures or other forms of alteration to unit price are to be initialed by the supplier.<br>4.     Bid prices are to be quoted FOB LSU/Destination and inclusive of any and all applicable shipping and handling charges unless otherwise specified in the solicitation. Any invoiced delivery charges not quoted and itemized on the LSU purchase order are subject to rejection and non-payment.<br>5.     Payment is to be made within 30 days after receipt of properly executed invoice, or delivery and acceptance, whichever is later.<br>6.     By signing this solicitation, the supplier certifies compliance with all general instructions to suppliers, terms, conditions and specifications; and further certifies that this bid is made without collusion or fraud. |  |                                     |
| <b>SUPPLIER NAME</b>   | <b>MAILING ADDRESS</b>   |                                     |
| <b>AUTHORIZED SIGNATURE</b>  | <b>CITY, STATE ZIP</b>   |                                     |
| <b>PRINTED NAME</b>  | <b>PHONE #</b>   |                                     |
| <b>TITLE</b>   | <b>FAX #</b>   |                                     |
| <b>E-MAIL</b>  | <b>FEDERAL TAX ID #</b>  |                                     |

**LSU RFQ-0000002147**

**Magnetic Resonance Imaging (MRI) Scanning Equipment**

**Addendum 01**

**Inquiry 1**

The Specifications for the MRI Scanning Equipment states the system must have 128 or more fully digitized channels. However, it is physically impossible to have this many elements in the field of view at one time resulting in unused electronics. Therefore, the cost of all these additional electronics are not cost effective. Also, per the specifications the coil requirements are only 16 channel and 32 channel. Therefore, the request to change this requirement to 32 channels are higher is being submitted. No only does all these unnecessary additional channels increase the cost of the system but it also increases the cost of the service contacts.

**Response 1**

No changes to the specifications.

**Inquiry 2**

The Specification for the MRI Scanning Equipment states the system must have a gradient strength of 44 mT/m or higher with a slew rate of 200T/m/sec or higher limits the number of available systems on the market that can bid. Also, as you increase the gradient strength you also increase the chance of RF burns to the patient (animal) during the MRI scan especially since the animal is sedated and can not respond to pain during the scan. Gradient strength use to be the driving factor in image quality; this is not the case today. Deep Learning Reconstruction is much more important for image quality and speed. The request to change this requirement to 33mT/m or higher with a slew rate of 125 T/m/sec or higher and include Deep Learning Reconstruction to minimize scan time and increase SNR for high image quality is being submitted.

**Response 2**

No changes to the specifications.

**Inquiry 3**

Also the suggestion of requiring a fully functional table weight capacity of 550 lbs or higher

**Response 3**

No changes to the specifications.

**Inquiry 4**

Also the suggestion of requiring High Order Active Shimming due to the nature of scanning animals with the different sizes and shapes requires the magnetic field to be shimmed to each animal is more important than gradient strength.

**Response 4**

No changes to the specifications.

**Inquiry 5**

Will there be any new cabinets or countertops in exam or control room?

**Response 5**

No.

**Inquiry 6**

Will there be any new MRI LED lighting in the room?

**Response 6**

No.

**Inquiry 7**

Will there be new flooring and cove base type?

**Response 7**

No.

**Inquiry 8**

Where will the new chiller be located? If on the roof, is the roof structure enough to support the chiller? If in a different location do we need to build a fence around and pour concrete pad?

**Response 8**

The chiller can be located in the current mechanical closet or catwalk area. Support/peripheral equipment must fit in the associated adjacent MRI mechanical/electrical equipment room. Supplier will be allowed to extend the existing equipment room elevated catwalk. If the catwalk is extended, the Supplier shall provide a new permanent ship ladder for access from the ground level.

**Inquiry 9**

Has LSU Vet Hospital identified a space for an external chiller and if so how far away from the equipment room is the space located?

**Response 9**

The chiller can be located in the current mechanical closet or catwalk area. Support/peripheral equipment must fit in the associated adjacent MRI mechanical/electrical equipment room. Supplier will be allowed to extend the existing equipment room elevated catwalk. If the catwalk is extended, the Supplier shall provide a new permanent ship ladder for access from the ground level.

**Inquiry 10**

The current exhaust fan is sized properly for Canon system. Is it functioning properly?

**Response 10**

At this time, the fan is not functioning properly.

### **Inquiry 11**

The following information is needed from the existing Hitachi Echelon MRI system in order to produce a trade in value and a cost to remove. Please provide the following info:

- a. Date of removal/Install of new MR:
- b. Manufacturing year:
- c. Serial Number:
- d. Software level:
- e. UPS included in trade/removal?:
- f. Chiller included in trade/removal?:
- g. RF Channel Count:
- h. Coils that come with scanner and channel count:

### **Response 11**

Date of removal/Install of new MR: Once award is made and new equipment is installed.

Manufacturing year: February 2008.

Serial Number: V025.

Software level: 1.5T Cardiosuite is original software.

UPS included in trade/removal?: There is no current UPS.

Chiller included in trade/removal?: Yes.

RF Channel Count: 8.

Coils that come with scanner and channel count: Multi Array Brain Coil (8 channel), Multi Array Torso/Abdomen Coil (8 channel), Multi Array CTL Spine Coil (8 channel), Multi Array Knee (8 channel), Multi Array Shoulder (5 channel), Quadrature Head, General Purpose Flex Coil Pair, RF Coil Storage Unit.

### **Inquiry 12**

Will LSU Vet be keeping their current equine table? Can LSU Vet also confirm the make / model of their current equine table?

### **Response 12**

Yes. The table is made by Shanks.

### **Inquiry 13**

Is the LSU Vet requesting full turnkey costs in regards to the construction/installment of the system?

### **Response 13**

Yes.