

North Carolina Department of Health and Human Services
Division of Health Service Regulation
Certificate of Need Section

2704 Mail Service Center • Raleigh, North Carolina 27699-2704
<http://www.ncdhhs.gov/dhsr/>

Drexdal Pratt, Director

Beverly Eaves Perdue, Governor
Albert A. Delia, Acting Secretary

Craig R. Smith, Section Chief
Phone: (919) 855-3873
Fax: (919) 733-8139

April 23, 2012

Kyle McDermott
Senior Administrative Director Support Services
Johnston Memorial Hospital Authority
P.O. Box 1376
Smithfield NC 27577

RE: Exempt from Review - Replacement Equipment / Johnston Memorial Hospital / Replace existing GE Echosped magnetic resonance imaging (MRI) scanner with a new GE Optima MRI scanner / Johnston County
FID # 943290

Dear Mr. McDermott:

In response to your letters of March 5, 2012 and April 6, 2012, the above referenced proposal is exempt from certificate of need review in accordance with N.C.G.S 131E-184(a)(7). Therefore, you may proceed to acquire, without a certificate of need, the GE Optima MRI scanner to replace the existing GE Echosped magnetic resonance imaging (MRI) scanner [Serial # R3679; Model # 2226300]. This determination is based on your representations that the existing unit will be removed from North Carolina and will not be used again in the State without first obtaining a certificate of need. Further please be advised that as soon as the replacement equipment is acquired, you must provide the CON Section and the Medical Facilities Planning Section with the serial number of the new equipment to update the inventory, if not already provided. In addition, you should contact the Construction Section to determine if they have any requirements for development of the proposed project.

It should be noted that this Agency's position is based solely on the facts represented by you and that any change in facts as represented would require further consideration by this Agency and a separate determination. If you have any questions concerning this matter, please feel free to contact this office.

Sincerely,

Michael J. McKillip, Project Analyst

Craig R. Smith, Chief
Certificate of Need Section

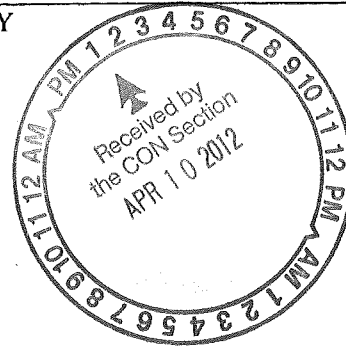
cc: Construction Section, DHSR





4-6-2012

Michael J. McKillip, Project Analyst
Certificate of Need Section
Division of Health Services Regulations
809 Ruggles Drive, Raleigh, NC 27603
2704 Mail Service Center Raleigh, NC 27699-2704



RE: Information Request for Replacement Equipment/ Johnston Memorial Hospital / Replace existing GE Echosped magnetic resonance imaging (MRI) scanner with a new GE Optima MRI scanner / Johnston County
FID # 943290

Dear Mr. McKillip

Per your correspondence

1. Evidence to demonstrate conformance with each criterion in 10A NCAC 14C.0303.
 - a. Listed below in document.
2. A comparison of the existing and replacement equipment, using in the format in the attached Table. Exhibit #1
3. A Description of the basic technology and functions of the existing and replacement equipment:

The 1.5T GE features a superconducting magnet operating at 1.5 Tesla. The data acquisition system accommodates independent receive channels in various increments, and multiple independent coil elements per channel during a single acquisition series. The system uses a combination of time-varying magnetic fields (gradients) and RF transmissions to obtain information regarding the density and position of elements exhibiting magnetic resonance. The system can image in the sagittal, coronal, axial, oblique and double oblique planes, using various pulse sequences and reconstruction algorithms..

It is indicated for use as a diagnostic imaging device to produce axial, sagittal, coronal, and oblique anatomical images, spectroscopic data, parametric maps,, or dynamic images of the structures or functions of the entire body. The indication for use includes, but is not limited to, head, neck, TMJ, spine, breast, heart, abdomen, pelvis, joints, prostate, blood vessels, and musculoskeletal regions of the body. Depending on the region of interest being imaged, contrast agents may be used.

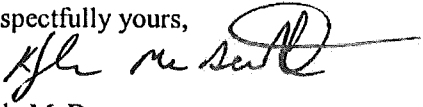
Both the present and new equipment has the same basic functions as listed above. The new equipment will not result in more than a 10% increase in patient charges or per procedure operating expenses with in the first twelve months.

4. The replacement equipment will not be leased it will be purchased.

5. The replacement equipment will be purchased, attached is a copy of the proposed purchase order and quotation. This quotation demonstrates the amount of the purchase price before discounts and trade-in allowances as well as the cost with discount and trade-in. Exhibit # 2a and #2b
6. GE will be taking possession of the existing equipment and have provided a letter that acknowledges the existing equipment will be removed from North Carolina. Exhibit #3
7. Document that the existing equipment is currently in use and has not been taken out of service. Document from Johnston Health, Exhibit #4.

Thank you for your consideration and assistance in this matter,

Respectfully yours,



Kyle McDermott
Senior Admin. Director of Support Services
Johnston Health

kmcdermott@johnstonhealth.org

EQUIPMENT COMPARISON

Exhibit 1

	EXISTING EQUIPMENT	REPLACEMENT EQUIPMENT
Type of Equipment (List Each Component)	MRI	MRI
Manufacturer of Equipment	General Electric	General Electric
Tesla Rating for MRIs	1.5T	1.5T
Model Number	2226300	Will not be available until equipment is built.
Serial Number	R3679	Will not be available until equipment is built.
Provider's Method of Identifying Equipment	Serial number	Serial number
Specify if Mobile or Fixed	Fixed	Fixed
Mobile Trailer Serial Number/VIN #	na	na
Mobile Tractor Serial Number/VIN #	na	na
Date of Acquisition of Each Component	7/2003	TBD by CON
Does Provider Hold Title to Equipment or Have a Capital Lease?	Title	Will own
Specify if Equipment Was/Is New or Used When Acquired	New	New
Total Capital Cost of Project (Including Construction, etc.) <Use Attached Form>	NA	\$1,534,614.78 Back up form following page.
Total Cost of Equipment	\$1,853,833.00	\$2,822,099.00 <i>MSRP</i>
Fair Market Value of Equipment	NA	\$1,375,914.78
Net Purchase Price of Equipment	NA	\$1,190,914.78
Locations Where Operated	Smithfield NC	Smithfield NC
Number Days In Use/To be Used in N.C. Per Year	365/365	365/365
Percent of Change in Patient Charges (by Procedure)	NA	No change in charges
Percent of Change in Per Procedure Operating Expenses (by Procedure)	NA	
Type of Procedures Currently Performed on Existing Equipment	Head and Spines for Neurologist, Extremity MRIs for Vascular Surgeons, Shoulder and knee for Orthopedic Surgeons and Feet for Wound Care physicians of non healing ulcers.	NA
Type of Procedures New Equipment is Capable of Performing	NA	Head and Spines for Neurologist, Extremity MRIs for Vascular Surgeons, Shoulder and knee for Orthopedic Surgeons and Feet for Wound Care physicians of non healing ulcers



GE Healthcare
PO Box 414
Milwaukee, WI 53187

Exhibit 2A

April 9, 2012

Mr. Kyle McDermott
VP Purchasing
Johnston Health System
Highway 70
Smithville, NC 27577

RE: GE 1.5T MR450w

Dear Mr. McDermott,

This letter is to confirm the existing GE 1.5T Excite MRI system proposed for trade in on replacement equipment will be removed by General Electric and not operate in the state of North Carolina.

The new GE 1.5T MR 450w, list price is \$2,822,099.00
Trade in allowance for the current 1.5T LX unit being removed = \$185,000.00
Net selling price for the new 1.5T MRI is \$1,190,914.00

Thank you for your support of General Electric

Sincerely,

Kimberly McCrary
Client Director
GE Healthcare Technologies

CC Kevin Morris

Exhibit 26

GE Healthcare

QUOTATION

Quotation Number: P1-C122532 V 12

Johnston Memorial Hospital
509 N Brightleaf Blvd
Smithfield NC 27577

Attn: Patricia Weaver
509 N Brightleaf Blvd
Smithfield NC 27577

Date: 09-30-2011

This Agreement (as defined below) is by and between the Customer and the GE Healthcare business ("GE Healthcare"), each as identified herein. GE Healthcare agrees to provide and Customer agrees to pay for the Products listed in this GE Healthcare Quotation ("Quotation"). "Agreement" is defined as this Quotation and the terms and conditions set forth in either (i) the Governing Agreement identified below or (ii) if no Governing Agreement is identified, the following documents:

- 1) This Quotation that identifies the Product offerings purchased or licensed by Customer;
- 2) The following documents, as applicable, if attached to this Quotation: (i) GE Healthcare Warranty(ies); (ii) GE Healthcare Additional Terms and Conditions; (iii) GE Healthcare Product Terms and Conditions; and (iv) GE Healthcare General Terms and Conditions.

In the event of conflict among the foregoing items, the order of precedence is as listed above.

This Quotation is subject to withdrawal by GE Healthcare at any time before acceptance. Customer accepts by signing and returning this Quotation or by otherwise providing evidence of acceptance satisfactory to GE Healthcare. Upon acceptance, this Quotation and the related terms and conditions listed above (or the Governing Agreement, if any) shall constitute the complete and final agreement of the parties relating to the Products identified in this Quotation. The parties agree that they have not relied on any oral or written terms, conditions, representations or warranties outside those expressly stated or incorporated by reference in this Agreement in making their decisions to enter into this Agreement. No agreement or understanding, oral or written, in any way purporting to modify this Agreement, whether contained in Customer's purchase order or shipping release forms, or elsewhere, shall be binding unless hereafter agreed to in writing by authorized representatives of both parties. Each party objects to any terms inconsistent with this Agreement proposed by either party unless agreed to in writing and signed by authorized representatives of both parties, and neither the subsequent lack of objection to any such terms, nor the delivery of the Products, shall constitute an agreement by either party to any such terms.

By signing below, each party certifies that it has not made any handwritten modifications. Manual changes or mark-ups on this Agreement (except signatures in the signature blocks and an indication in the form of payment section below) will be void.

- Terms of Delivery: F.O.B. Origin
- Quotation Expiration Date: 09-30-2011
- Billing Terms: 20% down / 60% delivery / 20% install
- Payment Terms: NET 30
- Governing Agreement: HPG-DI-Base

Each party has caused this agreement to be signed by an authorized representative on the date set forth below. Please submit purchase orders to GE Healthcare

3200 N. Grandview Blvd., Mail Code WT-897, Waukesha, WI 53188

GE HEALTHCARE

 Paul Billingsly Date
 Product Sales Specialist
 2253 Limehurst Drive
 Atlanta, GA 30319
 US
 Phone: 404-549-3658
 Fax: 404-506-9391
 Paul.Billingsly@med.ge.com

INDICATE FORM OF PAYMENT:

(If there is potential to finance with a lease transaction, GE HFS or otherwise, select lease.)

___ Cash * ___ Lease ___ HFS Loan

If financing please provide name of finance company below*:

CUSTOMER

 Authorized Customer Date

 Print Name and Title

 PO #

 Desired Equipment First Use Date

*Selecting Cash or not identifying GE HFS as the finance company declines option for GE HFS financing.



Quotation Number: P1-C122532 V 12

Item No.	Qty	Catalog No.	Description
	1		Optima MR450w 1.5T 16-Channel
1	1	S4500WA	<p>Optima MR450w 16-Channel 1.5T MR System with In-Room Display</p> <p>Optima MR450w 16-Channel 1.5T MR System with In-Room Display</p> <p>Patient expectations of MR have shifted in recent years, as patients have begun to demand a better, more comfortable scanning experience. Increasing the size of the bore is a good first step, but it's only the beginning. The right system should overcome traditional limitations of wide-bore MR, offering both excellent images and a user-friendly experience. Patients should be more comfortable during their scan, and clinicians more comfortable in making a diagnosis. All the while, organizations should expect their MR system to help them deliver solid financial returns, maintain a high standard of patient safety, and increase the quality of their care.</p> <p>GE has advanced the capabilities of wide-bore MR by delivering both uncompromised image quality and high productivity, all with an expansive clinical field of view. With the Optima MR450w 1.5T GE offers a range of new functionality, provides a more patient friendly environment and a clinical workhorse system for practices of all sizes and specialties.</p> <p>OpTix RF Receive Chain: GE's innovative Optical RF receive technology improves signal detection while simultaneously reducing electrical noise. By locating the receiver electronics on the side of the magnet and close to the origin of the MR signal, interference from external noise sources is reduced thus improving image quality and SNR. The result is a 27% SNR improvement over previous generation, non-optical systems for volumetric scanning.</p> <p>The use of optical transmission reduces the cabling footprint over conventional copper cable designs and enables high channel count configurations without requiring additional space. The OpTix technology can seamlessly route signals from any coil port to the receivers using a dynamic switching RF hub.</p> <ul style="list-style-type: none"> • Sampling Bandwidth 80MHz. • Receive channels 16. <p>Volume Reconstruction Engine 2.0 (VRE): The backbone of any high-channel count system is the reconstruction architecture. The Optima MR450w utilizes the latest dual-core 2.6 GHz processing technology with the VRE 2.0 recon architecture. With its 16 GB of memory, acquisition-to-disk technology, the VRE 2.0 delivers the processing power to quickly reconstruct high-resolution 3D volumetric data.</p> <p>Included is a single channel transmit receive head coil.</p> <p>Optima MR450w Site Collector: Optimally designed for patient safety, patient comfort, and efficient workflow, the external features of the MR450w also provide an</p>



Quotation Number: P1-C122532 V 12

Item No.	Qty	Catalog No.	Description
			<p>aesthetically pleasing look and feel that can reduce patient anxiety. The wide-open flare of the covers increase the effective bore size and can reduce patient anxiety when entering the scan room or magnet bore. With patient-optimized lighting and air conditioning, the system can be ideally set for each individual, increasing their control of the environment.</p> <p>Wide-Screen LCD Monitor: This flat-panel Liquid Crystal Display (LCD) monitor delivers 1920 x 1200 dot resolution at a refresh rate of 60Hz and an excellent 500:1 contrast ratio using a digital DVI interface, all significant improvements over conventional designs.</p> <p>Optima MR450w ScanTools 22.0: The Express Exam and Scantools of the Optima MR450 include a comprehensive suite of workflow features, advanced applications, and parallel imaging capabilities to enable the user to harness the Simply Powerful capabilities of the scanner efficiently and effectively. The patient and technologist workflow of Optima MR450 automates many of the routine tasks that previously required user interaction, thus dramatically reducing the workload for the user and ensuring that consistent and repeatable images are presented for review. Prescription, acquisition, processing and networking steps can be automatically completed throughout the exam. These automated steps can be saved in the Protocol Library to ensure consistent exam workflow for each type of patient.</p> <p>The automated workflow features of the Express Exam interface includes the Modality Worklist, Protocol Library, Autostart, AutoScan, AutoVoice, Linking, and Inline Processing.</p> <p>Modality worklist: The modality worklist (MWL) provides an automated method of obtaining exam and protocol information for a patient directly from a DICOM Worklist server. For sites with full DICOM connectivity, once a patient has been selected from the MWL, a new session is opened on the host interface and the relevant exam details are highlighted for the user. The Optima MR450 MLW provides complete control of the exam protocol prescription.</p> <p>Protocol libraries and properties: The Optima MR450 system provides the user with complete control of protocols for simple prescription, archiving, searching, and sharing. The protocols are organized into two main libraries, a GE optimized set that are included with the system and Site-Authored.</p> <p>ProtoCopy: Standard on every Optima MR450 system, the ProtoCopy feature enables a complete exam protocol to be shared with the click of a mouse. The exam protocol can originate from either a library or previously acquired exam.</p> <p>Workflow Manager: Once a protocol has been selected for an exam, it is automatically loaded into the Workflow Manager. The Workflow Manager controls image</p>



Quotation Number: P1-C122532 V 12

Item No.	Qty	Catalog No.	Description
			<p>prescription, acquisition, processing, visualization and networking and may fully automate these steps if requested.</p> <p>AutoStart: With AutoStart, once the landmark position has been set and the technologist leaves the room the Workflow Manager will automatically start the first acquisition in the exam.</p> <p>Linking: Linking automates the prescription of images for each series in an exam. Once the targeted anatomical region has been located the Linking feature combines information from a prescribed imaging series to all subsequent series in the Workflow Manager. All series that have been linked may automatically be prescribed (Rx) and no further interaction will be needed by the technologist to initiate the scan. The user has control over which specific parameters can be linked together. Series can have common fields of view, obliquity, slice thickness, anatomical coverage, saturation bands, or shim volumes. Multiple series can be linked together and saved in the Protocol Library or edited in real time.</p> <p>AutoScan: With AutoScan enabled, the Workflow Manager will sequentially go through the list of prescribed series without any user interaction.</p> <p>AutoVoice: The AutoVoice feature ensures that consistent and repeatable instructions are presented to the patient for each and every exam. User selectable, pre-recorded instructions are presented at defined points in the acquisition. The AutoVoice feature includes instructions in over 14 languages and the user can create and include their own unique voice instructions for local needs.</p> <p>Inline processing: To further automate an exam, the Inline processing feature can complete all tasks for a particular series. For certain tasks, the user must accept the results, or complete additional steps prior to saving the image to the database.</p> <p>Inline viewing: Inline viewing allows the user to conveniently view, compare, and analyze images without having to switch to the Browser. Simply select the series to view from the Workflow Manager and the images are displayed along with standard image display tools.</p> <p>Image fusion: To better visualize tissue and contrast, multiple images from separate acquisitions can be overlaid on one another. High-resolution anatomical images can be automatically fused with functional data or parametric maps for improved visualization by the user. The data is registered using translation and rotation and distortion correction to ensure accurate fusion. High resolution 2D and 3D data sets can be fused with reformats, parametric maps, 2D and 3D Spectroscopy maps, plus functional datasets and more.</p> <p>Following is a list of the acquisition pulse sequences and parallel imaging capabilities for the Optima MR450 ScanTools 22.0.</p>



Quotation Number: P1-C122532 V 12

GE Healthcare will use reasonable efforts to meet Customer's desired equipment first use date. The actual delivery date will be mutually agreed upon by the parties.



Quotation Number: P1-C122532 V 12

Item No.	Qty	Catalog No.	Description
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- Peripheral Gating that minimizes the pulsatile artifacts.
- Optimized View Ordering to improve arterial signal.
- ASSET acceleration compatibility to reduce scan time.

Cube 3D: The Cube technology can eliminate multiple independent two-dimensional datasets with a single three-dimensional volume (or cube) of high resolution data to provide better image quality in shorter exam times. Compared to traditional 3D fast spin echo acquisitions, Cube uses a combination of optimized echo train pulses and ARC parallel imaging to reduce SAR, extend the duration of the acquisition echo train, and reduce the echo spacing. The system automatically adjusts the echo train flip angle amplitudes to provide optimized tissue contrast based on the specific tissue T1 and T2 characteristics and prescription parameters. To further reduce exam time and improve image quality, Cube is compatible with ARC self calibrating parallel imaging.

Isotropic Cube datasets may be automatically reformatted from a single acquisition into any plane, without gaps, and with the same resolution as the original plane for improved anatomical review and tissue visualization. The maximum parallel imaging acceleration is dependent upon the surface coil in use.

High resolution Cube data can be acquired with T1, T2, T2 FLAIR, or Proton density weighted tissue contrasts for neuro, abdominal, pelvic, and musculoskeletal imaging.

Quote Summary:

1.5 Excite II Trade In	(\$185,000.00)
Total Quote Net Selling Price	\$1,190,914.78

(Quoted prices do not reflect state and local taxes if applicable. Total Net Selling Price Includes Trade In allowance, if applicable.)





Exhibit "3"

GE Healthcare
PO Box 414
Milwaukee, WI 53187

March 19, 2012

Kyle McDermott
Johnston Medical Center
509 N. Bright Leaf Blvd.
Smithfield, NC 27577

RE: GE 1.5T 11x Excite II MRI

Dear Kyle,

This letter is to confirm the existing GE 1.5T 11x Excite II MRI, proposed for trade in on replacement equipment will be removed by General Electric and not operate in the state of North Carolina.

Thank you for your support of General Electric

Sincerely,

Kevin Morris
MRI Product Specialist
General Electric Healthcare

Exhibit # 4



JOHNSTON HEALTH
A HEALTHIER TOMORROW BEGINS TODAY

March 26, 2012

Michael J. McKillip, Project Analyst
Certificate of Need Section
Division of Health Services Regulations
809 Ruggles Drive, Raleigh, NC 27603
2704 Mail Service Center Raleigh, NC 27699-2704

RE: Information Request for Replacement Equipment/ Johnston Memorial Hospital / Replace existing GE Echosped magnetic resonance imaging (MRI) scanner with a new GE Optima MRI scanner / Johnston County
FID # 943290

Dear Mr. McKillip,

Please accept this letter as the Owners documentation that the existing fixed MRI unit that was installed at Johnston Memorial Hospital, 509 N. Bright Leaf Blvd., Smithfield NC 27577 in 2004 has continue to be operated since that time and continues to be so. The fixed MRI was taken down for a period of three months in November and December 2008 and January 2009 during the recently completed construction project to allow for modifications to be make to the chiller system and the exhaust vent. This required down time was reviewed and approved by DHSR construction division. Other from those few months the fixed MRI unit has continuously been in service.

Respectfully Submitted,

Kyle McDermott
Senior Admin. Director Support Services
Johnston Health

PROPOSED TOTAL CAPITAL COST OF PROJECT

Project Name: Johnston Memorial Hospital Authority Fixed MRI Replacement

Provider/Company:

A. Site Costs

(1) Full purchase price of land		\$ _____	
Acres _____ Price per Acre \$ _____			
(2) Closing costs		\$ _____	
(3) Site Inspection and Survey		\$ _____	
(4) Legal fees and subsoil investigation		\$ _____	
(5) Site Preparation Costs			
Soil Borings.....	\$ _____		
Clearing-Earthwork...	\$ _____		
Fine Grade For Slab...	\$ _____		
Roads-Paving.....	\$ _____		
Concrete Sidewalks....	\$ _____		
Water and Sewer.....	\$ _____		
Footing Excavation....	\$ _____		
Footing Backfill.....	\$ _____		
Termite Treatment....	\$ _____		
Other (Specify).....	\$ _____		
Sub-Total Site Preparation Costs		\$ _____	
(6) Other (Specify)		\$ _____	
(7) Sub-Total Site Costs			\$ _____

B. Construction Contract

(8) Cost of Materials			
General Requirements	\$13,700		
Concrete/Masonry	\$7,000		
Woods/Doors & Windows/Finishes	\$9,000		
Thermal & Moisture Protection	\$ _____		
Equipment/Specialty Items (shielding)	\$15,000		
Mechanical/Electrical	\$110,000		
Other (Specify)	\$ _____		
Sub-Total Cost of Materials.....		\$154,700	
(9) Cost of Labor..... <u>Rigging</u>		\$40,000	
(10) Other (Specify).....		\$ _____	
(11) Sub-Total Construction Contract			\$194,700

C. Miscellaneous Project Costs

(12) Building Purchase.....		\$ _____	
(13) Fixed Equipment Purchase/Lease		\$1,190,914.78	
(14) Movable Equipment Purchase/Lease for Mobile during install		\$122,000	
(15) Furniture		\$ _____	
(16) Landscaping		\$ _____	
(17) Consultant Fees			
Architect and Engineering Fees	\$12,000		
Legal Fees.....	\$ _____		
Market Analysis.....	\$ _____		
Other (Specify)...owners rep.	\$15,000		
Other (Specify).....	\$ _____		
Sub-Total Consultant Fees.....		\$27,000	
(18) Financing Costs (e.g. Bond, Loan, etc.)		\$ _____	
(19) Interest During Construction.		\$ _____	
(20) Other (Specify)		\$ _____	
(21) Sub-Total Miscellaneous..			\$1,339,914.78
(22) Total Capital Cost of Project (Sum A-C above)			\$1,534,614.78

I certify that, to the best of my knowledge, the costs of the proposed project named above are complete and correct.

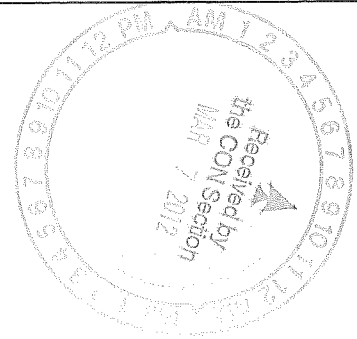
David E. Johnson, AIA Date Certified: 4.4.12
 (Signature of Licensed Architect or Engineer)

I assure that, to the best of my knowledge, the above costs for the proposed project are complete and correct and that it is my intent to carry out the proposed project as described.

Adm Dir Support Services Date Signed: 4-3-12
 (Signature and Title of Officer Authorized to Represent Provider/Company)



Wake



March 5, 2012

Mr. Craig Smith, Chief
Certificate on Need Section
Division of Health Services Regulations
809 Ruggles Drive, Raleigh, NC 27603
2704 Mail Service Center Raleigh, NC 27699-2704

Re: Replacement of Fixed MRI

Dear Mr. Smith

Please accept this letter as an official request on behalf of Johnston Memorial Hospital Authority, (NC License # H0151, Facility ID # 943290) to replace the 2004 fixed MRI located at Johnston Medical Center Smithfield, 509 N. Bright Leaf Blvd. Smithfield NC. Johnston Memorial Hospital Authority has been given approval to utilize realized savings of the HUD 242 loan following the recently completed Johnston Medical Center Clayton and new Johnston Medical Center Smithfield Bed Tower. The replacement of the MRI was not originally a part of the construction project but since that time has been deemed a need for replacement.

Background

Following Certificate of Need approval on July 16, 2003 for a fixed MRI, Johnston Memorial Hospital constructed the facility and installed a General Electric Sigma EchoSpeed Plus 1.5 Tesla MRI unit which opened for patient care October 2004. Since that time the unit has had one software upgrade and has served the community well. In the June 2010 the hospital based radiologist physician group (Wake Radiology) contract expired and the Johnston Health entered into a new physician contract with Carolina Radiology Consultants to provide interpretations for our patients. As part of this change, we are learning that some of older technology that has not been kept as current means that our patients may not be receiving as precise reports as what they would if the procedures were performed on newer equipment. Our goal is to insure that the residents of Johnston County receive the absolute best care that we can provide to them.

The new MRI we plan to purchase is the General Electric Optima MR450w 1.5T 16-Channel, the present unit is be traded in to GE as part of the purchase agreement that you can see on the attached purchase agreement. (Exhibit #1)

Below are bullet points that provided supporting information of procedures and services that we will be able to provide to our patients that the present system will not do.

JMH MRI Ex 12

- -70 cm bore versus current 60 cm bore. This will allow Johnston Health to scan larger patients while addressing claustrophobia issues
- 500 lb. table weight versus 350 lb. current table weight
- New MRI offers faster scanning capability to improve patient comfort and productivity than the current system
- Vibrant for breast imaging (currently they are unable to do MRI breast imaging)
- Enhance for non-contrast imaging (currently all exams requiring contrast requires an injection, the new system will not and will give greater patient care)
- Propeller for full body motion reduction (currently Propeller only works in eliminating motion in Neurovascular imaging)
- Ideal for reducing metal artifact bloom (currently there is no work around on their existing scanner and this will give much better diagnostic images when metal implants are involved)
- True Detachable table – Best for safety and the technologist. Gives the ability to add a second table for productivity, as you grow in volume
- Field of View – 48 cm in all 3 axis with Optima MR450w 1.5T 16Channel

Installation Preparation

The new MRI will be placed in the same room that the present MRI is presently located following removal. In preparation for the removal of the present MRI and installation of the new one Johnston Health has taken the following steps:

- Engaged Johnson Johnson and Crabtree Architect, PA, for determination of structural information to insure present facility will support the new unit. They are also validating the structural strength of the roof to support new chiller that is required. Included in the engagement, Johnson Johnson and Crabtree will provide stamped drawings for DHSR Construction Section to review as necessary.
- Engaged Braden Shielding Systems for shielding report of present room
- Engaged ICM Georgia for removal of old MRI and placement of new MRI
- In discussions with Alliance Imaging and IMIS for proposals of a mobile MRI unit to be used for up to ninety (90) days during the installation of the new unit. We will utilize on a temporary basis a mobile MRI unit for the same time period that our fixed MRI is out of service. At the time the new unit is operational the mobile unit will be removed. At no time will both units be operational for providing services to Johnston Medical Center Smithfield patients. The mobile unit will be placed on the mobile pad that Johnston Medical Center Smithfield installed in September 2008 that was utilized for a mobile MRI unit during the construction of the Smithfield Bed Tower project. The pad is located one hundred fifty (75) feet from the Radiology Department and thirty (30) feet from the exterior of the facility

Capital Cost of Project

Engineering/ Structural fees	\$	12,000.00
Drywall and doorframes	\$	5,000.00
Electrical	\$	70,000.00
Chiller change out / HVAC	\$	22,000.00
Roofing	\$	4,500.00
Magnetic shielding	\$	15,000.00
Rigging	\$	35,000.00
Window removal / Eifis work	\$	4,000.00
Plumbing	\$	2,500.00
Patch and Paint	\$	2,000.00
Flooring	\$	2,500.00
Cleaning / Trash Removal/ safety	\$	1,200.00
Recessed Floor Infill	\$	5,500.00
	subtotal	\$ 181,200.00
5% Contingency	\$	9,000.00
Mobile unit lease	\$	145,000.00
Equipment cost	\$	1,190,914.78
	TOTAL	\$ 1,526,114.78

Mr. Smith, thank you for your attention to this request, as soon as I receive a favorable response from the CON Section I will contact the Construction Section to prepare documents that they will require to proceed.

Respectfully Submitted,



Kyle McDermott
Senior Administrative Director of Support Services
Johnston Memorial Hospital Authority

Exhibit 1

Quotation Number: P1-C122532 V 12

Johnston Memorial Hospital
509 N Brightleaf Blvd
Smithfield NC 27577

Attn: Patricia Weaver
509 N Brightleaf Blvd
Smithfield NC 27577

Date: 09-30-2011

This Agreement (as defined below) is by and between the Customer and the GE Healthcare business ("GE Healthcare"), each as identified herein. GE Healthcare agrees to provide and Customer agrees to pay for the Products listed in this GE Healthcare Quotation ("Quotation"). "Agreement" is defined as this Quotation and the terms and conditions set forth in either (i) the Governing Agreement identified below or (ii) if no Governing Agreement is identified, the following documents:

- 1) This Quotation that identifies the Product offerings purchased or licensed by Customer;
- 2) The following documents, as applicable, if attached to this Quotation: (i) GE Healthcare Warranty(ies); (ii) GE Healthcare Additional Terms and Conditions; (iii) GE Healthcare Product Terms and Conditions; and (iv) GE Healthcare General Terms and Conditions.

In the event of conflict among the foregoing items, the order of precedence is as listed above.

This Quotation is subject to withdrawal by GE Healthcare at any time before acceptance. Customer accepts by signing and returning this Quotation or by otherwise providing evidence of acceptance satisfactory to GE Healthcare. Upon acceptance, this Quotation and the related terms and conditions listed above (or the Governing Agreement, if any) shall constitute the complete and final agreement of the parties relating to the Products identified in this Quotation. The parties agree that they have not relied on any oral or written terms, conditions, representations or warranties outside those expressly stated or incorporated by reference in this Agreement in making their decisions to enter into this Agreement. No agreement or understanding, oral or written, in any way purporting to modify this Agreement, whether contained in Customer's purchase order or shipping release forms, or elsewhere, shall be binding unless hereafter agreed to in writing by authorized representatives of both parties. Each party objects to any terms inconsistent with this Agreement proposed by either party unless agreed to in writing and signed by authorized representatives of both parties, and neither the subsequent lack of objection to any such terms, nor the delivery of the Products, shall constitute an agreement by either party to any such terms.

By signing below, each party certifies that it has not made any handwritten modifications. Manual changes or mark-ups on this Agreement (except signatures in the signature blocks and an indication in the form of payment section below) will be void.

- Terms of Delivery: F.O.B. Origin
- Quotation Expiration Date: 09-30-2011
- Billing Terms: 20% down / 60% delivery / 20% install
- Payment Terms: NET 30
- Governing Agreement: HPG-DI-Base

Each party has caused this agreement to be signed by an authorized representative on the date set forth below. Please submit purchase orders to GE Healthcare
3200 N. Grandview Blvd., Mail Code WT-897, Waukesha, WI 53188

GE HEALTHCARE

 Paul Billingsly Product Sales Specialist Date
 2253 Limehurst Drive
 Atlanta, GA 30319
 US
 Phone: 404-549-3658
 Fax: 404-506-9391
 Paul.Billingsly@med.ge.com

INDICATE FORM OF PAYMENT:

(If there is potential to finance with a lease transaction, GE HFS or otherwise, select lease.)

___ Cash * ___ Lease ___ HFS Loan

If financing please provide name of finance company below*:

CUSTOMER

 Authorized Customer Date

 Print Name and Title

 PO #

 Desired Equipment First Use Date

*Selecting Cash or not identifying GE HFS as the finance company declines option for GE HFS financing.



Quotation Number: P1-C122532 V 12

GE Healthcare will use reasonable efforts to meet Customer's desired equipment first use date. The actual delivery date will be mutually agreed upon by the parties.



Quotation Number: P1-C122532 V 12

Item No.	Qty	Catalog No.	Description
	1		Optima MR450w 1.5T 16-Channel
1	1	S4500WA	<p>Optima MR450w 16-Channel 1.5T MR System with In-Room Display</p> <p>Optima MR450w 16-Channel 1.5T MR System with In-Room Display</p> <p>Patient expectations of MR have shifted in recent years, as patients have begun to demand a better, more comfortable scanning experience. Increasing the size of the bore is a good first step, but it's only the beginning. The right system should overcome traditional limitations of wide-bore MR, offering both excellent images and a user-friendly experience. Patients should be more comfortable during their scan, and clinicians more comfortable in making a diagnosis. All the while, organizations should expect their MR system to help them deliver solid financial returns, maintain a high standard of patient safety, and increase the quality of their care.</p> <p>GE has advanced the capabilities of wide-bore MR by delivering both uncompromised image quality and high productivity, all with an expansive clinical field of view. With the Optima MR450w 1.5T GE offers a range of new functionality, provides a more patient friendly environment and a clinical workhorse system for practices of all sizes and specialties.</p> <p>OpTix RF Receive Chain: GE's innovative Optical RF receive technology improves signal detection while simultaneously reducing electrical noise. By locating the receiver electronics on the side of the magnet and close to the origin of the MR signal, interference from external noise sources is reduced thus improving image quality and SNR. The result is a 27% SNR improvement over previous generation, non-optical systems for volumetric scanning.</p> <p>The use of optical transmission reduces the cabling footprint over conventional copper cable designs and enables high channel count configurations without requiring additional space. The OpTix technology can seamlessly route signals from any coil port to the receivers using a dynamic switching RF hub.</p> <ul style="list-style-type: none"> • Sampling Bandwidth 80MHz. • Receive channels 16. <p>Volume Reconstruction Engine 2.0 (VRE): The backbone of any high-channel count system is the reconstruction architecture. The Optima MR450w utilizes the latest dual-core 2.6 GHz processing technology with the VRE 2.0 recon architecture. With its 16 GB of memory, acquisition-to-disk technology, the VRE 2.0 delivers the processing power to quickly reconstruct high-resolution 3D volumetric data.</p> <p>Included is a single channel transmit receive head coil.</p> <p>Optima MR450w Site Collector: Optimally designed for patient safety, patient comfort, and efficient workflow, the external features of the MR450w also provide an</p>



Quotation Number: P1-C122532 V 12

Item No.	Qty	Catalog No.	Description
			<p>aesthetically pleasing look and feel that can reduce patient anxiety. The wide-open flare of the covers increase the effective bore size and can reduce patient anxiety when entering the scan room or magnet bore. With patient-optimized lighting and air conditioning, the system can be ideally set for each individual, increasing their control of the environment.</p> <p>Wide-Screen LCD Monitor: This flat-panel Liquid Crystal Display (LCD) monitor delivers 1920 x 1200 dot resolution at a refresh rate of 60Hz and an excellent 500:1 contrast ratio using a digital DVI interface, all significant improvements over conventional designs.</p> <p>Optima MR450w ScanTools 22.0: The Express Exam and Scantools of the Optima MR450 include a comprehensive suite of workflow features, advanced applications, and parallel imaging capabilities to enable the user to harness the Simply Powerful capabilities of the scanner efficiently and effectively. The patient and technologist workflow of Optima MR450 automates many of the routine tasks that previously required user interaction, thus dramatically reducing the workload for the user and ensuring that consistent and repeatable images are presented for review. Prescription, acquisition, processing and networking steps can be automatically completed throughout the exam. These automated steps can be saved in the Protocol Library to ensure consistent exam workflow for each type of patient.</p> <p>The automated workflow features of the Express Exam interface includes the Modality Worklist, Protocol Library, Autostart, AutoScan, AutoVoice, Linking, and Inline Processing.</p> <p>Modality worklist: The modality worklist (MWL) provides an automated method of obtaining exam and protocol information for a patient directly from a DICOM Worklist server. For sites with full DICOM connectivity, once a patient has been selected from the MWL, a new session is opened on the host interface and the relevant exam details are highlighted for the user. The Optima MR450 MLW provides complete control of the exam protocol prescription.</p> <p>Protocol libraries and properties: The Optima MR450 system provides the user with complete control of protocols for simple prescription, archiving, searching, and sharing. The protocols are organized into two main libraries, a GE optimized set that are included with the system and Site-Authored.</p> <p>ProtoCopy: Standard on every Optima MR450 system, the ProtoCopy feature enables a complete exam protocol to be shared with the click of a mouse. The exam protocol can originate from either a library or previously acquired exam.</p> <p>Workflow Manager: Once a protocol has been selected for an exam, it is automatically loaded into the Workflow Manager. The Workflow Manager controls image</p>



Quotation Number: P1-C122532 V 12

Item No.	Qty	Catalog No.	Description
			<p>prescription, acquisition, processing, visualization and networking and may fully automate these steps if requested.</p> <p>AutoStart: With AutoStart, once the landmark position has been set and the technologist leaves the room the Workflow Manager will automatically start the first acquisition in the exam.</p> <p>Linking: Linking automates the prescription of images for each series in an exam. Once the targeted anatomical region has been located the Linking feature combines information from a prescribed imaging series to all subsequent series in the Workflow Manager. All series that have been linked may automatically be prescribed (Rx) and no further interaction will be needed by the technologist to initiate the scan. The user has control over which specific parameters can be linked together. Series can have common fields of view, obliquity, slice thickness, anatomical coverage, saturation bands, or shim volumes. Multiple series can be linked together and saved in the Protocol Library or edited in real time.</p> <p>AutoScan: With AutoScan enabled, the Workflow Manager will sequentially go through the list of prescribed series without any user interaction.</p> <p>AutoVoice: The AutoVoice feature ensures that consistent and repeatable instructions are presented to the patient for each and every exam. User selectable, pre-recorded instructions are presented at defined points in the acquisition. The AutoVoice feature includes instructions in over 14 languages and the user can create and include their own unique voice instructions for local needs.</p> <p>Inline processing: To further automate an exam, the Inline processing feature can complete all tasks for a particular series. For certain tasks, the user must accept the results, or complete additional steps prior to saving the image to the database.</p> <p>Inline viewing: Inline viewing allows the user to conveniently view, compare, and analyze images without having to switch to the Browser. Simply select the series to view from the Workflow Manager and the images are displayed along with standard image display tools.</p> <p>Image fusion: To better visualize tissue and contrast, multiple images from separate acquisitions can be overlaid on one another. High-resolution anatomical images can be automatically fused with functional data or parametric maps for improved visualization by the user. The data is registered using translation and rotation and distortion correction to ensure accurate fusion. High resolution 2D and 3D data sets can be fused with reformats, parametric maps, 2D and 3D Spectroscopy maps, plus functional datasets and more.</p> <p>Following is a list of the acquisition pulse sequences and parallel imaging capabilities for the Optima MR450 ScanTools 22.0.</p>



Quotation Number: P1-C122532 V 12

Item No.	Qty	Catalog No.	Description
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- Peripheral Gating that minimizes the pulsatile artifacts.
- Optimized View Ordering to improve arterial signal.
- ASSET acceleration compatibility to reduce scan time.

Cube 3D: The Cube technology can eliminate multiple independent two-dimensional datasets with a single three-dimensional volume (or cube) of high resolution data to provide better image quality in shorter exam times. Compared to traditional 3D fast spin echo acquisitions, Cube uses a combination of optimized echo train pulses and ARC parallel imaging to reduce SAR, extend the duration of the acquisition echo train, and reduce the echo spacing. The system automatically adjusts the echo train flip angle amplitudes to provide optimized tissue contrast based on the specific tissue T1 and T2 characteristics and prescription parameters. To further reduce exam time and improve image quality, Cube is compatible with ARC self calibrating parallel imaging.

Isotropic Cube datasets may be automatically reformatted from a single acquisition into any plane, without gaps, and with the same resolution as the original plane for improved anatomical review and tissue visualization. The maximum parallel imaging acceleration is dependent upon the surface coil in use.

High resolution Cube data can be acquired with T1, T2, T2 FLAIR, or Proton density weighted tissue contrasts for neuro, abdominal, pelvic, and musculoskeletal imaging.

Quote Summary:

1.5 Excite II Trade In	(\$185,000.00)
Total Quote Net Selling Price	\$1,190,914.78

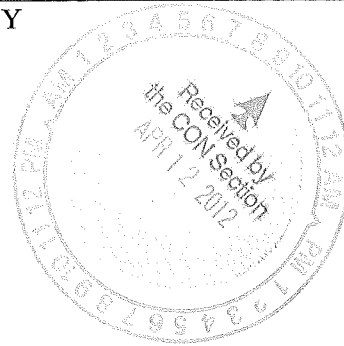
(Quoted prices do not reflect state and local taxes if applicable. Total Net Selling Price Includes Trade In allowance, if applicable.)





4-6-2012

Michael J. McKillip, Project Analyst
Certificate of Need Section
Division of Health Services Regulations
809 Ruggles Drive, Raleigh, NC 27603
2704 Mail Service Center Raleigh, NC 27699-2704



RE: Information Request for Replacement Equipment/ Johnston Memorial Hospital / Replace existing GE Echosped magnetic resonance imaging (MRI) scanner with a new GE Optima MRI scanner / Johnston County
FID # 943290

Dear Mr. McKillip

Per your correspondence

1. Evidence to demonstrate conformance with each criterion in 10A NCAC 14C.0303.
 - a. Listed below in document.
2. A comparison of the existing and replacement equipment, using in the format in the attached Table. Exhibit #1
3. A Description of the basic technology and functions of the existing and replacement equipment:

The 1.5T GE features a superconducting magnet operating at 1.5 Tesla. The data acquisition system accommodates independent receive channels in various increments, and multiple independent coil elements per channel during a single acquisition series. The system uses a combination of time-varying magnetic fields (gradients) and RF transmissions to obtain information regarding the density and position of elements exhibiting magnetic resonance. The system can image in the sagittal, coronal, axial, oblique and double oblique planes, using various pulse sequences and reconstruction algorithms..

It is indicated for use as a diagnostic imaging device to produce axial, sagittal, coronal, and oblique anatomical images, spectroscopic data, parametric maps,, or dynamic images of the structures or functions of the entire body. The indication for use includes, but is not limited to, head, neck, TMJ, spine, breast, heart, abdomen, pelvis, joints, prostate, blood vessels, and musculoskeletal regions of the body. Depending on the region of interest being imaged, contrast agents may be used.

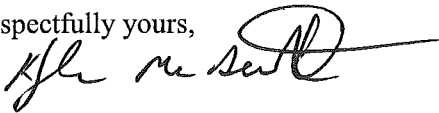
Both the present and new equipment has the same basic functions as listed above. The new equipment will not result in more than a 10% increase in patient charges or per procedure operating expenses with in the first twelve months.

4. The replacement equipment will not be leased it will be purchased.

5. The replacement equipment will be purchased, attached is a copy of the proposed purchase order and quotation. This quotation demonstrates the amount of the purchase price before discounts and trade-in allowances as well as the cost with discount and trade-in. Exhibit # 2a and #2b
6. GE will be taking possession of the existing equipment and have provided a letter that acknowledges the existing equipment will be removed from North Carolina. Exhibit #3
7. Document that the existing equipment is currently in use and has not been taken out of service. Document from Johnston Health, Exhibit #4.

Thank you for your consideration and assistance in this matter,

Respectfully yours,



Kyle McDermott
Senior Admin. Director of Support Services
Johnston Health

kmcdermott@johnstonhealth.org

EQUIPMENT COMPARISON

Exhibit 1

	EXISTING EQUIPMENT	REPLACEMENT EQUIPMENT
Type of Equipment (List Each Component)	MRI	MRI
Manufacturer of Equipment	General Electric	General Electric
Tesla Rating for MRIs	1.5T	1.5T
Model Number	2226300	Will not be available until equipment is built.
Serial Number	R3679	Will not be available until equipment is built.
Provider's Method of Identifying Equipment	Serial number	Serial number
Specify if Mobile or Fixed	Fixed	Fixed
Mobile Trailer Serial Number/VIN #	na	na
Mobile Tractor Serial Number/VIN #	na	na
Date of Acquisition of Each Component	7/2003	TBD by CON
Does Provider Hold Title to Equipment or Have a Capital Lease?	Title	Will own
Specify if Equipment Was/Is New or Used When Acquired	New	New
Total Capital Cost of Project (Including Construction, etc.) <Use Attached Form>	NA	\$1,534,614.78 Back up form following page.
Total Cost of Equipment	\$1,853,833.00	\$2,822,099.00
Fair Market Value of Equipment	NA	\$1,375,914.78
Net Purchase Price of Equipment	NA	\$1,190,914.78
Locations Where Operated	Smithfield NC	Smithfield NC
Number Days In Use/To be Used in N.C. Per Year	365/365	365/365
Percent of Change in Patient Charges (by Procedure)	NA	No change in charges
Percent of Change in Per Procedure Operating Expenses (by Procedure)	NA	
Type of Procedures Currently Performed on Existing Equipment	Head and Spines for Neurologist, Extremity MRIs for Vascular Surgeons, Shoulder and knee for Orthopedic Surgeons and Feet for Wound Care physicians of non healing ulcers.	NA
Type of Procedures New Equipment is Capable of Performing	NA	Head and Spines for Neurologist, Extremity MRIs for Vascular Surgeons, Shoulder and knee for Orthopedic Surgeons and Feet for Wound Care physicians of non healing ulcers



GE Healthcare
PO Box 414
Milwaukee, WI 53187

Exhibit 2A

April 9, 2012

Mr. Kyle McDermott
VP Purchasing
Johnston Health System
Highway 70
Smithville, NC 27577

RE: GE 1.5T MR450w

Dear Mr. McDermott,

This letter is to confirm the existing GE 1.5T Excite MRI system proposed for trade in on replacement equipment will be removed by General Electric and not operate in the state of North Carolina.

The new GE 1.5T MR 450w, list price is \$2,822,099.00
Trade in allowance for the current 1.5T LX unit being removed = \$185,000.00
Net selling price for the new 1.5T MRI is \$1,190,914.00

Thank you for your support of General Electric

Sincerely,

Kimberly McCrary
Client Director
GE Healthcare Technologies

CC Kevin Morris

Quotation Number: P1-C122532 V 12

Item No.	Qty	Catalog No.	Description
	1		Optima MR450w 1.5T 16-Channel
1	1	S4500WA	<p>Optima MR450w 16-Channel 1.5T MR System with In-Room Display</p> <p>Optima MR450w 16-Channel 1.5T MR System with In-Room Display</p> <p>Patient expectations of MR have shifted in recent years, as patients have begun to demand a better, more comfortable scanning experience. Increasing the size of the bore is a good first step, but it's only the beginning. The right system should overcome traditional limitations of wide-bore MR, offering both excellent images and a user-friendly experience. Patients should be more comfortable during their scan, and clinicians more comfortable in making a diagnosis. All the while, organizations should expect their MR system to help them deliver solid financial returns, maintain a high standard of patient safety, and increase the quality of their care.</p> <p>GE has advanced the capabilities of wide-bore MR by delivering both uncompromised image quality and high productivity, all with an expansive clinical field of view. With the Optima MR450w 1.5T GE offers a range of new functionality, provides a more patient friendly environment and a clinical workhorse system for practices of all sizes and specialties.</p> <p>OpTix RF Receive Chain: GE's innovative Optical RF receive technology improves signal detection while simultaneously reducing electrical noise. By locating the receiver electronics on the side of the magnet and close to the origin of the MR signal, interference from external noise sources is reduced thus improving image quality and SNR. The result is a 27% SNR improvement over previous generation, non-optical systems for volumetric scanning.</p> <p>The use of optical transmission reduces the cabling footprint over conventional copper cable designs and enables high channel count configurations without requiring additional space. The OpTix technology can seamlessly route signals from any coil port to the receivers using a dynamic switching RF hub.</p> <ul style="list-style-type: none"> • Sampling Bandwidth 80MHz. • Receive channels 16. <p>Volume Reconstruction Engine 2.0 (VRE): The backbone of any high-channel count system is the reconstruction architecture. The Optima MR450w utilizes the latest dual-core 2.6 GHz processing technology with the VRE 2.0 recon architecture. With its 16 GB of memory, acquisition-to-disk technology, the VRE 2.0 delivers the processing power to quickly reconstruct high-resolution 3D volumetric data.</p> <p>Included is a single channel transmit receive head coil.</p> <p>Optima MR450w Site Collector: Optimally designed for patient safety, patient comfort, and efficient workflow, the external features of the MR450w also provide an</p>



Quotation Number: P1-C122532 V 12

Item No.	Qty	Catalog No.	Description
			<p>aesthetically pleasing look and feel that can reduce patient anxiety. The wide-open flare of the covers increase the effective bore size and can reduce patient anxiety when entering the scan room or magnet bore. With patient-optimized lighting and air conditioning, the system can be ideally set for each individual, increasing their control of the environment.</p> <p>Wide-Screen LCD Monitor: This flat-panel Liquid Crystal Display (LCD) monitor delivers 1920 x 1200 dot resolution at a refresh rate of 60Hz and an excellent 500:1 contrast ratio using a digital DVI interface, all significant improvements over conventional designs.</p> <p>Optima MR450w ScanTools 22.0: The Express Exam and Scantools of the Optima MR450 include a comprehensive suite of workflow features, advanced applications, and parallel imaging capabilities to enable the user to harness the Simply Powerful capabilities of the scanner efficiently and effectively. The patient and technologist workflow of Optima MR450 automates many of the routine tasks that previously required user interaction, thus dramatically reducing the workload for the user and ensuring that consistent and repeatable images are presented for review. Prescription, acquisition, processing and networking steps can be automatically completed throughout the exam. These automated steps can be saved in the Protocol Library to ensure consistent exam workflow for each type of patient.</p> <p>The automated workflow features of the Express Exam interface includes the Modality Worklist, Protocol Library, Autostart, AutoScan, AutoVoice, Linking, and Inline Processing.</p> <p>Modality worklist: The modality worklist (MWL) provides an automated method of obtaining exam and protocol information for a patient directly from a DICOM Worklist server. For sites with full DICOM connectivity, once a patient has been selected from the MWL, a new session is opened on the host interface and the relevant exam details are highlighted for the user. The Optima MR450 MLW provides complete control of the exam protocol prescription.</p> <p>Protocol libraries and properties: The Optima MR450 system provides the user with complete control of protocols for simple prescription, archiving, searching, and sharing. The protocols are organized into two main libraries, a GE optimized set that are included with the system and Site-Authored.</p> <p>ProtoCopy: Standard on every Optima MR450 system, the ProtoCopy feature enables a complete exam protocol to be shared with the click of a mouse. The exam protocol can originate from either a library or previously acquired exam.</p> <p>Workflow Manager: Once a protocol has been selected for an exam, it is automatically loaded into the Workflow Manager. The Workflow Manager controls image</p>



Quotation Number: P1-C122532 V 12

Item No.	Qty	Catalog No.	Description
			<p>prescription, acquisition, processing, visualization and networking and may fully automate these steps if requested.</p> <p>AutoStart: With AutoStart, once the landmark position has been set and the technologist leaves the room the Workflow Manager will automatically start the first acquisition in the exam.</p> <p>Linking: Linking automates the prescription of images for each series in an exam. Once the targeted anatomical region has been located the Linking feature combines information from a prescribed imaging series to all subsequent series in the Workflow Manager. All series that have been linked may automatically be prescribed (Rx) and no further interaction will be needed by the technologist to initiate the scan. The user has control over which specific parameters can be linked together. Series can have common fields of view, obliquity, slice thickness, anatomical coverage, saturation bands, or shim volumes. Multiple series can be linked together and saved in the Protocol Library or edited in real time.</p> <p>AutoScan: With AutoScan enabled, the Workflow Manager will sequentially go through the list of prescribed series without any user interaction.</p> <p>AutoVoice: The AutoVoice feature ensures that consistent and repeatable instructions are presented to the patient for each and every exam. User selectable, pre-recorded instructions are presented at defined points in the acquisition. The AutoVoice feature includes instructions in over 14 languages and the user can create and include their own unique voice instructions for local needs.</p> <p>Inline processing: To further automate an exam, the Inline processing feature can complete all tasks for a particular series. For certain tasks, the user must accept the results, or complete additional steps prior to saving the image to the database.</p> <p>Inline viewing: Inline viewing allows the user to conveniently view, compare, and analyze images without having to switch to the Browser. Simply select the series to view from the Workflow Manager and the images are displayed along with standard image display tools.</p> <p>Image fusion: To better visualize tissue and contrast, multiple images from separate acquisitions can be overlaid on one another. High-resolution anatomical images can be automatically fused with functional data or parametric maps for improved visualization by the user. The data is registered using translation and rotation and distortion correction to ensure accurate fusion. High resolution 2D and 3D data sets can be fused with reformats, parametric maps, 2D and 3D Spectroscopy maps, plus functional datasets and more.</p> <p>Following is a list of the acquisition pulse sequences and parallel imaging capabilities for the Optima MR450 ScanTools 22.0.</p>



Quotation Number: P1-C122532 V 12

GE Healthcare will use reasonable efforts to meet Customer's desired equipment first use date. The actual delivery date will be mutually agreed upon by the parties.



Quotation Number: P1-C122532 V 12

Item No.	Qty	Catalog No.	Description
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- Peripheral Gating that minimizes the pulsatile artifacts.
- Optimized View Ordering to improve arterial signal.
- ASSET acceleration compatibility to reduce scan time.

Cube 3D: The Cube technology can eliminate multiple independent two-dimensional datasets with a single three-dimensional volume (or cube) of high resolution data to provide better image quality in shorter exam times. Compared to traditional 3D fast spin echo acquisitions, Cube uses a combination of optimized echo train pulses and ARC parallel imaging to reduce SAR, extend the duration of the acquisition echo train, and reduce the echo spacing. The system automatically adjusts the echo train flip angle amplitudes to provide optimized tissue contrast based on the specific tissue T1 and T2 characteristics and prescription parameters. To further reduce exam time and improve image quality, Cube is compatible with ARC self calibrating parallel imaging.

Isotropic Cube datasets may be automatically reformatted from a single acquisition into any plane, without gaps, and with the same resolution as the original plane for improved anatomical review and tissue visualization. The maximum parallel imaging acceleration is dependent upon the surface coil in use.

High resolution Cube data can be acquired with T1, T2, T2 FLAIR, or Proton density weighted tissue contrasts for neuro, abdominal, pelvic, and musculoskeletal imaging.

Quote Summary:

1.5 Excite II Trade In	(\$185,000.00)
Total Quote Net Selling Price	\$1,190,914.78

(Quoted prices do not reflect state and local taxes if applicable. Total Net Selling Price Includes Trade In allowance, if applicable.)





Exhibit #3

GE Healthcare
PO Box 414
Milwaukee, WI 53187

March 19, 2012

Kyle McDermott
Johnston Medical Center
509 N. Bright Leaf Blvd.
Smithfield, NC 27577

RE: GE 1.5T 11x Excite II MRI

Dear Kyle,

This letter is to confirm the existing GE 1.5T 11x Excite II MRI, proposed for trade in on replacement equipment will be removed by General Electric and not operate in the state of North Carolina.

Thank you for your support of General Electric

Sincerely,

Kevin Morris
MRI Product Specialist
General Electric Healthcare



JOHNSTON HEALTH
A HEALTHIER TOMORROW BEGINS TODAY

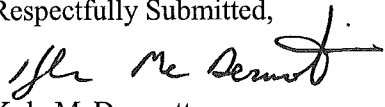
March 26, 2012

Michael J. McKillip, Project Analyst
Certificate of Need Section
Division of Health Services Regulations
809 Ruggles Drive, Raleigh, NC 27603
2704 Mail Service Center Raleigh, NC 27699-2704

RE: Information Request for Replacement Equipment/ Johnston Memorial Hospital / Replace existing GE Echospeed magnetic resonance imaging (MRI) scanner with a new GE Optima MRI scanner / Johnston County
FID # 943290

Dear Mr. McKillip,

Please accept this letter as the Owners documentation that the existing fixed MRI unit that was installed at Johnston Memorial Hospital, 509 N. Bright Leaf Blvd., Smithfield NC 27577 in 2004 has continue to be operated since that time and continues to be so. The fixed MRI was taken down for a period of three months in November and December 2008 and January 2009 during the recently completed construction project to allow for modifications to be make to the chiller system and the exhaust vent. This required down time was reviewed and approved by DHSR construction division. Other from those few months the fixed MRI unit has continuously been in service.

Respectfully Submitted,

Kyle McDermott
Senior Admin. Director Support Services
Johnston Health

PROPOSED TOTAL CAPITAL COST OF PROJECT

Project Name: Johnston Memorial Hospital Authority Fixed MRI Replacement

Provider/Company:

A. Site Costs

(1) Full purchase price of land	\$ _____	
Acres _____ Price per Acre \$ _____		
(2) Closing costs	\$ _____	
(3) Site Inspection and Survey	\$ _____	
(4) Legal fees and subsoil investigation	\$ _____	
(5) Site Preparation Costs		
Soil Borings.....	\$ _____	
Clearing-Earthwork...	\$ _____	
Fine Grade For Slab...	\$ _____	
Roads-Paving.....	\$ _____	
Concrete Sidewalks....	\$ _____	
Water and Sewer.....	\$ _____	
Footing Excavation...	\$ _____	
Footing Backfill.....	\$ _____	
Termite Treatment....	\$ _____	
Other (Specify).....	\$ _____	
Sub-Total Site Preparation Costs	\$ _____	
(6) Other (Specify)	\$ _____	
(7) Sub-Total Site Costs		\$ _____

B. Construction Contract

(8) Cost of Materials		
General Requirements	\$13,7001	
Concrete/Masonry	\$7,000	
Woods/Doors & Windows/Finishes	\$9,000	
Thermal & Moisture Protection	\$ _____	
Equipment/Specialty Items (shielding)	\$15,000	
Mechanical/Electrical	\$110,000	
Other (Specify)	\$ _____	
Sub-Total Cost of Materials.....		\$154,700
(9) Cost of Labor.....Rigging		\$40,000
(10) Other (Specify).....		\$ _____
(11) Sub-Total Construction Contract		\$194,700

C. Miscellaneous Project Costs

(12) Building Purchase.....	\$ _____	
(13) Fixed Equipment Purchase/Lease	\$1,190,914.78	
(14) Movable Equipment Purchase/Lease for Mobile during install	\$122,000	
(15) Furniture	\$ _____	
(16) Landscaping	\$ _____	
(17) Consultant Fees		
Architect and Engineering Fees	\$12,000	
Legal Fees.....	\$ _____	
Market Analysis.....	\$ _____	
Other (Specify), owners rep.	\$15,000	
Other (Specify).....	\$ _____	
Sub-Total Consultant Fees.....		\$27,000
(18) Financing Costs (e.g. Bond, Loan, etc.).	\$ _____	
(19) Interest During Construction.	\$ _____	
(20) Other (Specify)	\$ _____	
(21) Sub-Total Miscellaneous..		\$1,339,914.78
(22) Total Capital Cost of Project (Sum A-C above)		\$1,534,614.78

I certify that, to the best of my knowledge, the costs of the proposed project named above are complete and correct.

David E. Johnson, AIA Date Certified: 4.4.12
 (Signature of Licensed Architect or Engineer)

I assure that, to the best of my knowledge, the above costs for the proposed project are complete and correct and that it is my intent to carry out the proposed project as described.

Adam Die Support Services Date Signed: 4-3-12
 (Signature and Title of Officer Authorized to Represent Provider/Company)