

### **MINUTES OF MEETING**

<b>MEETING TITLE</b>	PRE-BID MEETING FOR SUPPLY, INSTALLATION AND COMMISSIONING OF 1.5 TESLA MRI MACHINE. HLL/HCS/Tender-GeM/2025-26/09 DTD: 02.08.2025
<b>DATE</b>	11.08.2025
<b>TYPE OF MEETING</b>	VIRTUAL (GOOGLE MEET)- <a href="https://meet.google.com/qra-cytq-amr">https://meet.google.com/qra-cytq-amr</a>
<b>MEETING DURATION</b>	12.00 PM – 01.00 PM

### **PARTICIPANTS DETAILS**

<b>HLL</b>	Mr. Joseph Savy K J (AVPi/c & BH (HCS))
	Mr. Jayakumar A (DVP - HCS)
	Mr. Prashant V P, (DGM (F-HCS))
	Mr. Narendranath K R (DGM- Biomedical)
	Mr. Hariprasad A P (SM -HCS)
	Mrs. Aswathy Dinesh.T , (M - HCS)
<b>Prospective bidders participants</b>	Mr. Krishna Pramodh – Siemens Healthcare Pvt Ltd
	Mr. Unnikrishnan K- Siemens Healthcare Pvt Ltd.
	Mr. Rishi – Siemens Healthcare Pvt Ltd.
	Mr. Rahul – Fujifilm Film India Pvt Ltd.
	Mr. Ayyappan S - M/s. Fujifilm India Private Limited
	Mr. Tenny John W – Wipro GE Healthcare Pvt Ltd.
	Mr. Ajay Kumar Hooli- Wipro GE Healthcare Pvt Ltd.
	Mr. Jim John- Wipro GE Healthcare Pvt Ltd.
	Ms. Shevta Dang – Marrsis Disha

A Pre-Bid meeting for the tender floated for Supply, Installation and Commissioning of 1.5 Tesla MRI Scan Machine including turnkey civil works at Hindlabs facility at Government Taluk hospital Fort Kochi, Kerala was held on 11.08.2025 at 12:00 PM. Prospective bidders were given the option to participate either in person or through the online link provided in the tender document. During the meeting, the bidders raised various queries and were advised to submit the same in writing via email to [hcstenders@lifecarehll.com](mailto:hcstenders@lifecarehll.com) for further consideration. It was also informed that all queries received would be examined by the HLL team and clarifications/ responses would be published subsequently as the official Pre-Bid Minutes.

In continuation of the Pre-Bid meeting, the following queries have been received from prospective bidders:

SL NO	TENDER CLAUSE REFERENCE	TENDER CLAUSE	REQUESTED AMENDMENT / QUERY FROM FIRM	HLL RESPONSE
	<b>NAME OF THE FIRM</b>	<b>M/s. FUJIFILM INDIA PRIVATE LIMITED</b>		
<b>1</b>	<b>SECTION F, Technical Specification</b> 1.a . Technical Specifications of MRI Scanner 1.5 Tesla  3. GRADIENT SYSTEM	b. Specify the slew rate and peak amplitude of the magnet offered.	Kindly amend as Slew rate of 33mT & Slew rate of 130 T/m/S or more  Specifying the gradient value will make all vendors to quote equivalent models for fair competition for wider vendor participation.	No change in Tender Terms
		f. Largest field of view should be at least 45cms in all three axis. Specify the FOV offered in cms for X-Y-Z Direction.	f. largest field of view should be at least 50 cms in all three axis. Specify the FOV offered in cms for X-Y-Z Direction.  For better specifications. Larger FOV Coverage allows wider coverage in single acquisition.	No change in Tender Terms
<b>2</b>	<b>SECTION F - Technical Specification</b> 1.a. Technical Specifications of MRI Scanner 1.5 Tesla 4. RF SYSTEM	a. A fully digital RF system capable of transmitting power of at least 10 KW or more.	a. A fully digital RF system capable of transmitting power of at least 15 KW or more.  For better specifications. Higher RF System spec allows for better fat suppression images, spectroscopy	No change in Tender Terms

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			studies, Large FOV Fat suppression studies. Major vendor provides RF output above 15KW.	
3	<b>SECTION F - Technical Specification</b> 1.a. Technical Specifications of MRI Scanner 1.5 Tesla 9. APPLICATION SEQUENCES, Point no.r	Complete prostate spectroscopy hardware and applications should be provided.  Note : Breast and prostate spectroscopy should be part of standard package	Request to delete  For wider Participation	No change in Tender Terms
4	ADDITIONAL	Nil	Additionally, we are requesting you to amend below points.  1. Kindly Remove MII Clause – Ours is an imported system and all reputed manufacturer also Imported only.  2. Kindly consider 180 days for delivery for imported product.	No change in Tender Terms
	<b>NAME OF THE FIRM</b>	<b>SIEMENS HEALTHCARE PRIVATE LIMITED</b>		
5	<b>SECTION F- Technical Specification</b>  1.a. Technical Specifications of MRI Scanner 1.5 Tesla , 4. RF SYSTEM	b. It must have at least minimum of 16 independent digital RF receiver channels with each having bandwidth of 1 MHz or more along with necessary hardware to support Quadrature / CP array /Matrix coils.	4.b. It must have at least minimum of 16 independent digital RF receiver channels with each having bandwidth of 500kHz or more along with necessary hardware to support Quadrature / CP array /Matrix coils.  The system with the latest technology has 500Khz or more which is advantageous to have.	Tender clause is changed as “It must have at least minimum of 16 independent digital RF receiver channels with each having bandwidth of 500kHz or more along with necessary hardware to support Quadrature / CP array /Matrix coils”.

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			Request the change to allow competitive bidding	
6	<b>SECTION B INSTRUCTIONS TO THE BIDDERS (ITB)</b>  7. BID PRICES  COMMERCIAL CLARIFICATIONS:	Bid Validity Gem Bidding Document Pg 1 Bid Offer Validity : 180 days Addl Terms of HLL ITB Pg 11 CI 7.3 Bids must be valid for a period of 365 days from date of bid opening. Addl Terms of HLL ITB Pg 13 CI 14.1 Tenders shall remain valid for the period of 180 days from the date of technical bids opening.	Kindly clarify the required Bid validity to avoid ambiguity and ensure compliant bid submission. Tender has both 180 days and 365 days bid validity requirement in different pages	Bid validity will be 120 days from the date of technical bid opening.
7	<b>SECTION - C GENERAL CONDITIONS OF CONTRACT (GCC)</b>  23. Terms and Mode of Payment . c) Payment for incidental Turn key works	90% Payment for turnkey works and other incidental services mentioned in scope of work (refer category-b of Section-I price schedule) will be released directly to the supplier through bank transfer within one month after satisfactory completion of all obligations under scope of work and agreement. Balance 10% will be kept as security deposit against performance and same will be released after 2 years of completion of installation and commissioning.	100% Payment for turnkey works and other incidental services mentioned in scope of work (refer category-b of Section-I price schedule) will be released directly to the supplier through bank transfer on satisfactory completion of installation and handover on submission of Performance security Bank guarantee for 10% of Site preparation works for security deposit.  Kindly consider release of 100% site preparation works on successful installation and handover. We are agreeable to submit performance security by BG for required 10% of site modification works value. Holding the payment for 2 years affects the cash flow of supplier that too beyond one year after warranty period completion	No change in the tender terms.

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8	<p>SECTION - C GENERAL CONDITIONS OF CONTRACT (GCC)</p> <p>15. Work Completion Period Delivery Period Gem Bidding Pg 10 Consignees / Reporting Officer Delivery Days: 120</p> <p>SECTION E- LIST OF REQUIREMENTS</p> <p>Part II: Required Delivery Schedule: Pg 32</p>	<p>Addl Terms of HLL GCC Pg 22 CI 15 Works related to supply installation and commissioning shall be completed by the Supplier within 120 days from date of issue of inland LC, whichever is later.</p> <p>Addl Terms of HLL List of requirements Pg 32 Part II 120 days from date of opening of inland LC to delivery at purchaser's site. The date of delivery will be the date of delivery at purchaser's site. Tenderers may quote earliest delivery period. Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation, whichever is later</p>	<p>Addl Terms of HLL List of requirements Pg 32 Part II</p> <p>120 days from date of opening of inland LC / site handover with power and regulatory approvals whichever is later, to delivery at purchaser's site. The date of delivery will be the date of delivery at purchaser's site. Tenderers may quote earliest delivery period. Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation, whichever is later.</p> <p>Request you to link delivery timeline to mandatory requirements such as Regulatory approvals and Site handover with Power so that the production and dispatch of equipment is better planned to avoid unnecessary storage and safekeeping of equipments in warehouse / site</p>	No change in the tender terms.
9	<p>SECTION B INSTRUCTIONS TO THE BIDDERS (ITB)</p> <p>7. BID PRICES Pg 11 CI 7.3</p>	<p>The bid prices shall also cater for any change in tax pattern during the tenure of work.</p> <p>The rates and prices quoted by the bidder shall remain firm during the entire period of contract.</p>	<p>Kindly remove this requirement The rates and prices quoted by the bidder shall remain firm during the entire period of contract except for any change in Statutory Duties and Taxes. Any Change in Duties and taxes shall be to the account of purchaser.</p> <p>Supplier has no control or visibility on Change of Duties and Taxes to be</p>	The rates and prices quoted by the bidder shall remain firm during the entire period of contract. However, the changes in statutory duties and taxes during the contract period will be applicable

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			enforced by Government in its Sovereign Capacity. Supplier shall consider applicable taxes as on date of tender submission as required in the tender. However any Change in Duties and Taxes will be to the purchasers account as this is a statutory liability.	
10	SECTION - C GENERAL CONDITIONS OF CONTRACT (GCC)  5. Performance Security Point no.2	5.2. Prior to expiry of above said Performance security, Supplier has to submit a CAMC security in the form of bank guarantee for three percent (3%) of the CAMC Contract value for 9 years valid till 3 months after expiry of entire CAMC period (CAMC period will be 9 years after expiry of 1-year warranty period) as security against CAMC Services.	Supplier has to submit a CAMC security in the form of bank guarantee for three percent (3%) of the CAMC Contract value for 3 years valid till 3 months after expiry of entire CAMC period. Supplier shall ensure the PBG is renewed and kept live before its expiry and keep the CAMC security valid through the CAMC period of 9 years after expiry of 1 year warranty period.  Kindly allow submission of CAMC security BG in blocks of 3 years as banks don't entertain BG issuance for longer periods such as 9 years in a single instance. Supplier to ensure the BG is renewed or replaced with a new BG before expiry of running BG.	No change in tender term
11	SECTION - C GENERAL ONDITIONS OF CONTRACT (GCC)  12. Spare parts Proprietary Information Addl Terms of HLL GCC Pg 21 Cl 12.3	b. In case the production of the spare parts is discontinued: i) Sufficient advance notice to the Purchaser before such discontinuation to provide adequate time to the purchaser to purchase the required spare parts,	b. In case the production of the spare parts is discontinued: i) Sufficient advance notice to the Purchaser before such discontinuation to provide adequate time to the purchaser to purchase the required spare parts, etc. at the supplier's risk and cost and Kindly Remove Clause ii).	No change in tender terms

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		etc. at the supplier's risk and cost and ii) Immediately following such discontinuation, providing the Purchaser, free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by the Purchaser.	We agree to provide spares and service support for a period of 10 years from Delivery and installation of equipment. Design and drawings will contain confidential and proprietary information of Supplier and are the intellectual property rights of Siemens, hence cannot be provided or shared with customer.	
12	<b>SECTION - C GENERAL ONDITIONS OF CONTRACT (GCC)</b>  8. Inspection, Testing and Quality Control  Confidential Information Addl Terms of HLL GCC Pg 20 Cl 8.2	If such inspections and tests are conducted in the premises of the supplier all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the purchaser's inspector at no charge to the purchaser.	If such inspections and tests are conducted in the premises of the supplier all reasonable facilities and assistance, including access to relevant drawings, design details and production data which are not confidential in nature, shall be furnished by the supplier to the purchaser's inspector at no charge to the purchaser. Drawings, design and data will have confidential and proprietary information of supplier and cannot be divulged, Supplier shall provide information that are relevant and not confidential in nature for smooth inspection and testing of the equipment	No change in tender terms
13	<b>SECTION - C GENERAL CONDITIONS OF CONTRACT (GCC)</b>	If the contractor fails to complete the works within the time frame(s) incorporated in the contract, the Purchaser shall, without prejudice to other rights and remedies available to the Purchaser under	If the contractor fails to complete the works within the time frame(s) incorporated in the contract, the Purchaser shall, without prejudice to other rights and remedies available to the Purchaser under the contract,	No change in tender terms

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	<p>25. Liquidated damages Liquidated Damages</p> <p>Addl Terms of HLL GCC Pg 28 Cl 25.1</p>	<p>the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of goods and/or services until actual delivery or performance subject to a maximum of 10% of the contract price or actual liability of the purchaser due to delayed works or total performance of the contractor, whichever is higher.</p>	<p>deduct from the contract price, as liquidated damages, a sum equivalent to 0.5% per week of delay or part thereof on delayed supply of goods and/or services until actual delivery or performance subject to a maximum of 10% of the contract price.</p> <p>We accept penalty of 0.5% per week or part thereof subject to a maximum of 7.5% in case of delay in delivery of the equipment. However we request deletion of wording highlighted in red which is consequential and ambiguous penalty which cannot be ascertained, measured by the supplier during tender participation. Kindly remove to enable even basis of comparison across different bidders</p>	
14	<p><b>SECTION B INSTRUCTIONS TO THE BIDDERS (ITB)</b></p> <p>22. AWARD OF CONTRACT</p> <p>Point no. 22.2</p>	<p>In the eventuality of failure on the part of the lowest successful bidder to produce the original documents, or submit the security deposit, or acceptance of LOI/ Work order within the specified time limit, the Bidder shall be debarred in future from participating in Bids for three years and will be recommended for blacklisting by the competent authority. In such cases, the work shall be re-tendered.</p>	<p>In the eventuality of failure on the part of the lowest successful bidder to produce the original documents, or submit the security deposit, or acceptance of LOI/ Work order within the specified time limit, the Bidder shall be penalized with forfeiture of Bid Security. In such cases, the work shall be re-tendered.</p> <p>We accept blacklisting/ debarment only for any fraud or wilful misrepresentation. Also, according to Rule 151 of General Financial Rules,2017 (GFR) an entity</p>	No change in tender terms



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			should be debarred only if it is convicted under Prevention of corruption Act 1988 or IPC; and also, if it has breached code of integrity.	
15	BOQ Clarification	Excel BOQ	BOQ provided in excel has totalling error its not adding Main unit to the Site price. Please share the correct template. Also add Option to mention GST amount as, there are certain items which pertains to different HSN code and GST rate. Request you to add One More Line item of Local accessories /Third party items in BOQ.	<b>Revised BoQ shall be uploaded as amendment in GeM Portal.</b>
16	<b>SECTION E LIST OF REQUIREMENTS</b> Part II: Required Delivery Schedule:  SITE/TURNKEY CLARIFICATIONS	Page 32 - Delivery and Installation Schedule: -120 days from date of opening of inland LC to delivery at purchaser's site. The date of delivery will be the date of delivery at purchaser's site. Tenderers may quote earliest delivery period. Installation and commissioning shall be done within 45 days of receipt of the stores/ goods at site or within 45 days of handing over the site for installation, whichever is later. For delayed delivery and/ or installation and commissioning liquidated damages will get applied as per GCC clause 25.	Delivery and Installation Schedule: Delivery and installation of the MRI Scan unit shall be completed within 120 days from the date of opening of the inland LC, site handover, or availability of power supply, whichever is later. For delayed delivery and/ or installation and commissioning liquidated damages will get applied as per GCC clause 25.	No change in tender terms
17	<b>SECTION F Technical Specification</b>	Page 38 - Note, Civil Works :The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Air-conditioning and	The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Airconditioning and Fire fighting for the construction of MRI Scan	The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Airconditioning and Fire fighting

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	1.b. RELATED TURN KEY WORKS	Fire fighting for the construction of MRI Scan area.	<p>area. The MRI Scan room, console room, Equipment Room, Patient Preparation Room, Store Room and UPS room will be provided without any interior works, and the supplier shall carry out the tiling, painting, vinyl flooring, and false ceiling.</p> <p>Please confirm the exact handover condition of the new building site before Siemens commences MRI-specific turnkey works and confirm that no demolition works are to be considered. To clearly define handover condition of the site and avoid scope overlap.</p>	<p>for the construction of MRI Scan area. The MRI Scan room, console room, Equipment Room, Patient Preparation Room, Store Room and UPS room will be provided without any interior works, and the supplier shall carry out the tiling, painting, vinyl flooring, and false ceiling.</p> <p>Demolition works required for installing the MRI scanner shall be considered by the bidders.</p> <p>In order to move the MRI magnet, the one side of the wall sharing the passage (length 7.5 m approx) is made with temporary aluminum partition. This temporary wall shall be removed and shall be constructed with solid bricks, finished and painted after moving the magnet inside the magnet room.</p> <p>It is requested to inspect the site condition before quoting the tender.</p>
18	<b>SECTION F Technical Specification</b>	Page 39 - item 7 , Flooring : 600 x 600 mm vitrified tiles with 100 mm skirting to match in console room,	600 x 600 mm vitrified tiles with 100 mm skirting to match in console room, UPS	Page 39 - item 7 , Flooring : 600 x 600 mm vitrified tiles with 100 mm skirting to match in console

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	1.b. RELATED TURN KEY 7. Flooring	UPS room & passage	room, store room, preparation room, technical room	room, UPS room, store room, preparation room, technical room
19	<b>SECTION F Technical Specification</b> 1.b. RELATED TURN KEY WORKS 9. False Ceiling	Page 39 - item 9 , Ceiling :Acoustical tile for ceiling with light weight insulating material of high quality supported on grid or finished seamless with support above ceiling. Finished with white paint or powder coated with white paint, if metallic. Ceiling height to suit the equipment mount and clearances.	Please confirm whether a gypsum ceiling, grid ceiling, or metal ceiling is to be provided outside MRI room, and confirm whether the cost for a skyview (8 ft × 4 ft) inside the MRI gantry room should be included. MRI room ceiling will be grid ceiling.	Acoustical gypsum tile for grid ceiling with light weight insulating material of high quality supported on grid Finished with white paint. Ceiling height to suit the Equipment mount and clearances.
20	<b>SECTION F Technical Specification</b> 1.b. RELATED TURN KEY WORKS	Page 39 - item 10 ,Plumbing Works	Clarify any costing to be considered for plumbing works while preparing BOQ. Also, requirement if any to consider hot water line.	item 10, Plumbing Works – Clause deleted
21	<b>SECTION F Technical Specification</b> 1.b. RELATED TURN KEY WORKS 11. Electrical work	Page 40 item 11, Electrical: The supplier shall be required to specify the total load requirements for the MRI scan including the load of air conditioning, room lighting and for the accessories if any. The supply line will be provided by the Institute up to one point within the MRI Scan centre area in the UPS room. The distribution panel shall be provided by the vendor. Few lights in each room shall be connected to the UPS to provide emergency lighting.	The supplier shall be required to specify the total load requirements for the MRI scan including the load of air conditioning, room lighting and for the accessories if any. The supply line will be provided by the Institute up to one point within the MRI Scan centre area in the UPS room terminated with suitable isolator and cable. The distribution panel shall be provided by the vendor. Few lights in each room shall be connected to the UPS to provide emergency lighting.  Confirm exact location of main LT panel for MRI scan and clarify if incoming	It is hereby clarified that the main LT panel of MRI Scan machine is under the scope of the bidder usually placed in the Equipment / UPS room of MRI scanner. The incoming power cable up to the MRI LT panel will be arranged by HLL.

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			power cable up to MRI LT panel inside the UPS room is in builder's or Siemens' scope.	
22	SECTION F 1.b. RELATED TURN KEY WORKS 11. e. Electrical work	Page 40 Item 11 e Lighting: General lights – Mirror optical type 1X28 W or 2X28 W/CFL fittings 2X36, 3X36 W with electronic ballasts	The specified lighting type (Mirror optical type with CFL fittings) is outdated; LED lights are now commonly available in the market and are recommended for better energy efficiency and longevity	Powder Coated Frame for Fixing Recess mounted LED 2x2 ft luminaire 608 mm x 608 mm, Wipro/ Philips/ Bajaj/ Havells etc
23	<b>SECTION F Technical Specification</b> 1.b. RELATED TURN KEY WORKS 12. CCTV and LAN Network	Page 40 item 12, Networking: LAN Network	from network switch inside console room to hospital server room will be provided by builder or supplier and confirm if hospital IT team will provide PACS/DICOM integration details and IP configuration.	It is clarified that networking shall be done in the MRI scan area (incl MRI console, gantry, etc). A network switch shall be provided with provision to connect with the main LAN network of the centre. Necessary provisions shall be provided for connecting a system required for Teleradiology reporting and also to connect with dry imager.
24	<b>SECTION F Technical Specification</b> 1.b. RELATED TURN KEY WORKS 12. CCTV and LAN Network	Page 40 - item 12, Networking: CCTV	No CCTV will be available inside MRI scan room.	CCTV installations will be done by HLL. However necessary support shall be provided by the bidder.
25	<b>SECTION F Technical Specification</b> 1.b. RELATED TURN KEY WORKS 14. Firefighting	Page 38 - item 14, Firefighting: adequate firefighting and protective measures shall be provided as per rules and regulations	Please clarify whether only fire extinguishers are to be considered as per the tender, or if a fire alarm panel and related systems are also to be included.	Firefighting measures will be done by HLL. However necessary support shall be provided by the bidder.

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	<b>NAME OF THE FIRM</b>	<b>M/s MARRSIS DISHA</b>		
26	MRI Conditional Monitor and Syringe Pump	<p>One MRI compatible Multiparameter Vital Signs Patient Monitor of 5000 Gauss Compliance / 1.5 meter from isocentre compliance in MRI Room and One Slave Monitor in console room with following Specifications:</p> <ul style="list-style-type: none"> <li>- Monitor should have wireless Spo2, wireless ECG, NIBP , EtCO2 and 1 IBP.</li> <li>- Monitor should be atleast 15 inches touch screen with colour display and no proprietary per patient consumables.</li> <li>- Monitor should have integrated</li> <li>- 200 pieces of consumable: ECG electrodes and sampling lines; 12 pieces of Water trap should be supplied along with the monitor.</li> <li>- Monitor should come along with one syringe infusion system</li> </ul>	<p>Basic patient monitoring to avoid patient collapses in MRI.</p> <ul style="list-style-type: none"> <li>- Consumables re required to be able to fully utilize the monitor.</li> <li>- Bigger screen for seeing all parameters in one screen.</li> <li>- Syringe pump for patients with infusion.</li> </ul>	No change in tender terms
27	2. Ferromagnetic Detector System	Walk through wall mounted Ferrous detector with fluxgate sensor capable of 360-degree detection to help detect approaching ferro magnetic hazards and with door ignore function to be installed at entry door of MRI Scanner Room (Zone III type) - 01 no. Must have	Ferromagnetic detectors are required to avoid projectile accidents. As per Given this device is used for MRI Scanner and doctor and patient safety , sensors with continuous detection with no break are required.	No change in tender terms

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		continuous detection with no break following MRI door opening, or following preceding alert. Must allow passage of patient trolley.		
28	MRI Crash Cart	MRI Conditional Crash Cart with 6 drawers and lockable chest. The crash cart should have wheels and flat top.	MRI Crash Cart to store small products and medicine dosage inside the MRI room.	MRI Conditional Crash Cart with 6 drawers and lockable chest. The crash cart should have wheels and flat top is to be provided
	<b>NAME OF THE FIRM</b>	<b>Wipro GE Healthcare Pvt. Ltd</b>		
29	<b>SECTION F- Technical Specification</b> 1.a. Technical Specifications of MRI Scanner 1.5 Tesla 3. GRADIENT SYSTEM:	b. Specify the slew rate and peak amplitude of the magnet offered	Please consider the gradient system with strength of at least 33 mT/m or more with slew rate of 120 T/m/sec or more. This helps in better image quality and overall performance of the system.	No change in tender terms
30	<b>SECTION F- Technical Specification</b> 1.a. Technical Specifications of MRI Scanner 1.5 Tesla 4. RF SYSTEM	b. It must have at least minimum of 16 independent digital RF receiver channels with each having bandwidth of 1 MHz or more along with necessary hardware to support Quadrature / CP array /Matrix coils.	It must have at least minimum of 16 independent digital RF receiver channels with each having bandwidth of 1 MHz or more along with 16 ADC & necessary hardware to support Quadrature / CP array /Matrix coils.  16 ADC representing right digital system with utilization of all 16channels independently	Tender clause is changed as "It must have at least minimum of 16 independent digital RF receiver channels with each having bandwidth of 500kHz or more along with necessary hardware to support Quadrature / CP array /Matrix coils".
31	<b>SECTION F- Technical Specification</b> 1.a. Technical Specifications of MRI Scanner 1.5 Tesla 8. COIL SYSTEM:	c. Spine Array/Matrix coils for thoracic and lumbar spine imaging should be atleast 18 elements, 12 channel or more	c. Spine Array/Matrix coils for thoracic and lumbar spine imaging 12 channel or more.  For wider participation.	Tender clause is changed as "Spine Array/Matrix coils for thoracic and lumbar spine imaging 12 channel or more"

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32	<b>SECTION F- Technical Specification</b> 2. General Points . D. Comprehensive Annual Maintenance Contract (CAMC)	e) There will be 95% uptime warranty during CAMC period on 24 (hrs) X 7 (days) X 365(days) basis, with penalty, to extend CMC period by five times the downtime period – Page 42, Clause ‘D-e’	Please change it to “95% uptime warranty during CAMC period on 24 (hrs) X 7 (days) X 365(days) basis, with penalty, to extend CMC period by double the downtime period”.	There will be 95% uptime warranty during CAMC period on 24 (hrs) X 7 (days) X 365(days) basis, with penalty, to extend CMC period by double the downtime period”.
33	<b>SECTION B- INSTRUCTIONS TO THE BIDDERS (ITB)</b> 27. LICENSE AND PERMITS: and GCC 16.12	The Participant shall acquire in its name all permits, approvals, and/or licenses from all local, state, or national government authorities or public service undertakings that are necessary for the performance of the scope of work and assignments awarded by HLL. –  16.12. Any mandatory approval required for installation shall be obtained by the successful bidder in liaison with the respective authorities- Page 24, clause 16.12	Please delete this. Any regulatory approvals required for delivery and installation would be the responsibility of the purchaser. Wipro GE would not be responsible for any delays due to regulatory approvals, layout approvals or site readiness (including permanent power availability), technically clear in all respects and other requisites for delivery and installation). AERB site and Layout approval should be readily available before start of physical installation. End user duly responsible to liaise with AERB authority for necessary license approval taken from AERB before start of application training and patient scans.	No change in tender terms

**This minute of pre-bid meeting shall form the part of bid document as Addendum/Amendment. All the bidders must attach a copy of this MoM, sealed and signed by authorized signatory, which indicates that all the points in this MoM is agreed by the bidding agency.**