

**MINUTES OF MEETING**

<b>MEETING TITLE</b>	PRE-BID MEETING FOR SUPPLY, INSTALLATION AND COMMISSIONING OF 64 SLICE CT SCANNER. HLL/HCS/Tender-GeM/2025-26/08 Dated 02.08.2025
<b>DATE</b>	11.08.2025
<b>TYPE OF MEETING</b>	VIRTUAL (GOOGLE MEET)- <a href="https://meet.google.com/dsh-qsyf-dwa">https://meet.google.com/dsh-qsyf-dwa</a>
<b>MEETING DURATION</b>	11.00 PM – 12.00 PM

**PARTICIPANTS DETAILS**

<b>HLL</b>	Mr. Joseph Savy K J (AVP)i/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.

A Pre-Bid meeting for the tender floated for Supply, Installation and Commissioning of 64 Slice CT scanner including turnkey civil works at Hindlabs at Government Taluk hospital Fort Kochi, Kerala was held on 11.08.2025 at 11:00 AM. 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	NAME OF THE FIRM	TENDER CLAUSE REFERENCE	TENDER CLAUSE	REQUESTED AMENDMENT / QUERY FROM FIRM	HLL RESPONSE
1	M/s. Fujifilm India Private Limited	Section- F, Technical Specifications, 1.a. TECHNICAL SPECIFICATIONS OF CT SCANNER 64 SLICE	II. d.2. System should have minimum 32 physical rows of detector capable of acquiring /generating 64 slices.	System should have minimum 32 physical rows of detector capable of acquiring / generating 32 slices minimum. For wider vendor participation	No Change in Tender terms
			II. d.3. Acquisition of cardiac images with ECG gating (prospective & retrospective) should be possible.	Requested to delete. With 20 mm coverage detector, it won't be viable to proceed with cardiac studies. Requesting to delete the same for wider vendor participation.	Tender clause is changed as "Acquisition of cardiac Calcium Score with ECG gating and evaluation should be possible."
			II. d.5. Real time reconstruction speed: 20 images per second or more at 1024 x1024 matrix.	Real time reconstruction speed: 15 images per second or more at 512 x 512 matrix.  This will allow us to participate.	Tender clause is changed as "Real time reconstruction speed: 20 images per second or more at 512 x 512 matrix."
			II. d.6. Display matrix: 1024 x 1024 or more	6. Display matrix: 512 x 512 or more. This will allow us to participate.	No Change in Tender terms

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2			<p>II. e. Spherical/helical Acquisition</p> <p>1. The operator console should have all capabilities of 2D reformat, MIP, 3D MIP, 3D segmentation tools, CT perfusion, 3D Virtual Scopy without any additional workstation, all kind of Image evaluation tools, all advanced post processing software like MPR, VRT, SSD, segmentation tools, CT perfusion, 3D Virtual Scopy without any additional workstation, all Vessel analysis, Vessel segmentation.</p>	<p>Request to delete CT Perfusion as the same will be provided in the workstation.</p> <p>This will allow us to participate.</p>	<p>Tender clause is changed as “The operator console should have all capabilities of 2D reformat, MIP, 3D MIP, 3D segmentation tools, 3D Virtual Scopy without any additional workstation, all kind of Image evaluation tools, all advanced post processing software like MPR, VRT, SSD, segmentation tools, CT perfusion, 3D Virtual Scopy without any additional workstation, all Vessel analysis, Vessel segmentation.”</p>
			<p>II. f. CT Applications</p> <p>5. Dynamic cerebral perfusion mapping &amp; Lung's perfusion</p>	<p>Request to delete.</p> <p>20mm detector won't be viable for lungs perfusions, hence providing the post processing software alone won't help in anyway. Hence requested to delete for wider participation.</p>	<p>Tender clause is deleted</p>
			<p>II. f. 12. Cardiac CT.</p>	<p>Request to delete</p> <p>With 20 mm coverage detector, it won't be viable to proceed with cardiac studies. Requesting to delete the same for wider vendor participation.</p>	<p>Tender clause is deleted</p>
3			<p>Additionally, we are requesting you to amend below points.</p>	<p>1. Kindly Remove MII Clause – Ours is an imported system and all reputed manufacturer also Imported only.</p>	<p>No change in the tender terms</p>

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				2. Kindly consider 180 days for delivery for imported product.	
4	M/s. SIEMENS Healthcare India Pvt Ltd	Section- F, Technical Specifications, 1.a. TECHNICAL SPECIFICATIONS OF CT SCANNER 64 SLICE	II. The system should be DICOM - ready with true isotropic volume acquisition and sub millimeter resolution. The model quoted should be, US FDA/European CE certified. The system should be capable of doing ultra-low dose imaging using iterative reconstruction technique. The essential technical requirements of the system are as follows:-	The system should be DICOM - ready with true isotropic volume acquisition and sub millimetre resolution. The model quoted should be, US FDA or European CE or AERB TA certified. The system should be capable of doing ultra-low dose imaging using iterative reconstruction technique. The essential technical requirements of the system are as follows: -  For Wider participation	Tender clause is changed as "The system should be DICOM - ready with true isotropic volume acquisition and sub millimetre resolution. The model quoted should be, US FDA or European CE or AERB TA certified. The system should be capable of doing ultra-low dose imaging using iterative reconstruction technique. The essential technical requirements of the system are as follows:-"
			II. d. Detectors, Data acquisition system & Image reconstruction 3. Acquisition of cardiac images with ECG gating (prospective & retrospective) should be possible.	Acquisition of cardiac Calcium Score with ECG gating and evaluation should be possible. 32 slice CT scanner with just 32kW power and 0.8s rotation speed is inadequate for Cardiac coronary scanning.	Tender clause is changed as "Acquisition of cardiac Calcium Score with ECG gating and evaluation should be possible."
			II. d. 6. Real time reconstruction speed: 20 images per second or more at 1024 x1024 matrix.	Real time reconstruction speed: 20 images per second or more at 512 x 512 matrix. For Wider participation	Tender clause is changed as "Real time reconstruction speed: 20 images per second or more at 512 x 512 matrix."
			II. e. Spherical/helical Acquisition 1. The operator console should have all capabilities of 2D reformat, MIP, 3D MIP, 3D	The operator console should have all capabilities of 2D reformat, MIP, 3D MIP, 3D segmentation tools, CT perfusion, 3D Virtual Scopy without any additional workstation, all kind of Image	Tender clause is changed as II. e. Spherical/helical Acquisition

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			segmentation tools, CT perfusion, 3D Virtual Scopy without any additional workstation, all kind of Image evaluation tools, all advanced post processing software like MPR, VRT, SSD, IMAGE FUSION, Neuro Subtraction, CT angio for both brain and body, Virtual Endoscopy, Vessel analysis, Vessel segmentation	evaluation tools, all advanced post processing software like MPR, VRT, SSD, IMAGE FUSION, Neuro Subtraction, CT Angio for both brain and body, Virtual Endoscopy, Vessel analysis, Vessel segmentation. The perfusion study can only be performed for a length of 2cm with a 32 slice CT which cannot yield any clinically relevant information due to inadequate coverage of the organs.	1. "The operator console should have all capabilities of 2D reformat, MIP, 3D MIP, 3D segmentation tools, 3D Virtual Scopy without any additional workstation, all kind of Image evaluation tools, all advanced post processing software like MPR, VRT, SSD, segmentation tools, CT perfusion, 3D Virtual Scopy without any additional workstation, all Vessel analysis, Vessel segmentation."
			II. f. CT Applications 5. Dynamic cerebral perfusion mapping & Lungs perfusion.	Please Delete. The perfusion study can only be performed for a length of 2cm with a 32 slice CT which cannot yield any clinically relevant information due to inadequate coverage of the organs. The brain & lungs are more than 15cm long.	Tender clause is deleted
			II. f. CT Applications 12. Cardiac CT	Please Delete. 32 slice acquisition CT scanner with just 32kW power and 0.8s rotation speed is inadequate for Cardiac coronary scanning.	Tender clause is deleted
			II. h Computer Systems 2. Additional workstation with all the software available in console	Additional workstation from CT OEM with all the software available in console. Will ensure fair participation from all the vendors.	Tender clause is changed as "Additional workstation from CT OEM with all the software available in console."

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5	M/s Siemens Healthcare Pvt Ltd	Section- F, Technical Specifications, 1.a. TECHNICAL SPECIFICATIONS OF CT SCANNER 64 SLICE	II. h Computer Systems 4. Should be provided with minimum one reporting station with sufficient resolution & tools.	Pl clarify if this is the same as in h.2	It is hereby clarified that one console workstation and one additional workstation have to be provided.
			II. k. Standard & Safety 1. Should have CE issued by a notified body or FDA (US) certificate 2. Should be AERB type approved machine. 3. Should have CDSCO approval.	Standard & Safety 1. Should have CE issued by a notified body or FDA (US) certificate or should be AERB type approved machine. 2. Should have CDSCO approval  For Wider participation	Tender clause is changed as "Standard & Safety 1. Should have CE issued by a notified body or FDA (US) certificate or should be AERB type approved machine. 2. Should have CDSCO approval"
6		Section -B Instruction to Bidders	Bid Validity Gem Bidding Document Pg 1 Bid Offer Validity: 180 days  CI 7.3 Bids must be valid for a period of 365 days from date of bid opening.  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.	Bids are to be valid for 180 days from the date of technical bids opening .

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7		Section -C General Conditions of Contract	<p>Clause 23.3.C Payment terms (Turnkey) 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</p>	<p>Addl Terms HLL GCC Pg 27 Cl 23.3.C Payment terms (Turnkey)</p> <p>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.</p> <p>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 cashflow of supplier that too beyond one year after warranty period completion</p>	No change in Tender terms

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8			<p><b>Delivery Period Gem Bidding Pg 9 Consignees /</b></p> <p>Reporting Officer Delivery Days: 120</p> <p><b>Addl Terms of HLL GCC Pg 22 CI 15</b></p> <p>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><b>Addl Terms of HLL List of requirements Pg 32 Part II</b></p> <p>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><b>Delivery Period</b></p> <p>Gem Bidding Pg 9 Consignees / Reporting Officer</p> <p>Addl Terms of HLL GCC Pg 22 CI 15</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 equipment in warehouse / site</p>	No change in Tender terms



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9		Section -B Instruction to Bidders	<b>Duties and Taxes</b> <b>Addl Terms of HLL ITB Pg 11 CI 7.3</b> The bid prices shall also cater for any change in tax pattern during the tenure of work. The rates and prices quoted by the bidder shall remain firm during the entire period of contract.	<b>Duties and Taxes</b> <b>Addl Terms of HLL ITB Pg 11 CI 7.3</b> 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.  Supplier has no control or visibility on Change of Duties and Taxes to be 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.	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.
10		Section -C General Conditions of Contract	<b>Performance Security CAMC</b> <b>Addl Terms of HLL GCC Pg 18 CI 5.1</b> 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	<b>Performance Security CAMC</b> <b>Addl Terms of HLL GCC Pg 18 CI 5.1</b> 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.	No change in Tender terms

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				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.	
11		<b>Section-C, General Conditions of Contract Clause no. 12.3</b>	<p>12.3. In case the production of the spare parts is discontinued:</p> <p>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</p> <p>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.</p>	<p>12.3. In case the production of the spare parts is discontinued:</p> <p>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</p> <p>Kindly Remove Clause ii)</p> <p>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.</p>	<p><b>Section-C, General Conditions of Contract Clause no. 12.3 (ii)</b></p> <p>is replaced with</p> <p>ii) Supplier must ensure and guarantee the availability of spares parts during entire warranty and CAMC period.</p>
12		<b>Section-C, General Conditions of Contract</b>	If such inspections and tests are conducted in the premises of the supplier all reasonable facilities and assistance,	If such inspections and tests are conducted in the premises of the supplier all reasonable facilities and assistance, including access to	No change in Tender terms

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		<b>Clause no. 8.2</b>	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.	<p>relevant drawings, design details and production data <b>which are not confidential in nature</b>, shall be furnished by the supplier to the purchaser's inspector at no charge to the purchaser.</p> <p>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</p>	
13		<b>Section-C, General Conditions of Contract Clause no. 25.1 Liquidated Damages</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 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 <b>or actual liability of the purchaser due</b>	<p><b>Liquidated Damages</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 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.</p> <p>We accept penalty of 0.5% per week or part thereof subject to a maximum</p>	No change in Tender terms

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			to delayed works or total performance of the contractor, whichever is higher.	of 7.50% 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.	
14		<b>Section-B, Instructions to Bidders Clause no. 22.2</b>	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 <b>debarred in future from participating in Bids for three years and will be recommended for blacklisting by the competent authority.</b> In such cases, the work shall be re-tendered.	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 <b>penalized with forfeiture of Bid Security.</b> In such cases, the work shall be re- tendered.  We accept blacklisting/ debarment only for any fraud or willful misrepresentation. Also, according to Rule 151 of General Financial Rules,2017 (GFR) an entity 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.	No change in Tender terms. Based on the OM no. F.1/20/2018-PPD dated 02.11.2021, the mentioned clauses are retained.
15		<b>SECTION E: List of Requirements SITE/TURNKEY</b>	<b>SECTION E: List of Requirements Part II Required Delivered Schedule</b>	<b>Delivery and Installation Schedule:</b> Delivery and installation of the CT Scan unit shall be completed within 120 days	No change in Tender terms

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		<b>CLARIFICATIONS:</b>  <b>Page 32 -</b>	<b>Delivery and Installation Schedule:</b> -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.	<p>from the date of opening of the inland LC, site handover, receipt of the AERB procurement certificate, 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.</p> <p>The responsibility for obtaining AERB licensing shall lie with the hospital. Any delays in securing the license should not be considered when calculating liquidated damages.</p>	
16		<b>SECTION F : Technical Specification 1b. Related Turnkey Works</b>	<b>Note, Civil Works:</b> The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Air-conditioning and Fire fighting for the construction of CT scan area.	<p>The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Air- conditioning and Fire fighting for the construction o f C T s c a n area. <b>The CT Scan room, console 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.</b></p> <p><b>Please confirm the exact handover condition of the new building site before Siemens commences CT-specific turnkey</b></p>	<p>The scope of work includes complete Civil work, Electrical, Plumbing, Furnishing, Air-conditioning and Fire fighting for the construction of CT scan area. The CT Scan room, console 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>Minor demolition works required for installing the CT scanner shall be considered by the bidders.</p>

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				<b>works and confirm that no demolition works are to be considered.</b>	Bidders requested to inspect the site condition before quoting the tender.
17		<b>SECTION F : Technical Specification 1b. Related Turnkey Works</b>	<b>item 7, Flooring :</b> 50 mm thick cement concrete flooring with Vinyl flooring in CT equipment UPS room.	Flooring 50 mm thick cement concrete flooring with Vinyl flooring in <b>CT Gantry Room</b> .  <b>It is recommended to provide vitrified floor tiles in the CT gantry room as well, to reduce wear and tear caused by heavy usage of trolleys.</b>	50 mm thick cement concrete flooring with Vinyl / 60x60 cms or above Vitrified tile flooring in CT equipment UPS room.
18		<b>SECTION F : Technical Specification 1b. Related Turnkey Works</b>	<b>SECTION F : Technical Specification 1b. Related Turnkey Works</b> 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, and confirm whether the cost for a sky view (8 ft × 4 ft) inside the CT gantry room should be included.	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.
19		<b>SECTION F : Technical Specification 1b. Related Turnkey Works</b>	<b>SECTION F : Technical Specification 1b. Related Turnkey Works</b> item 10 ,Plumbing Works	<b>Clarify any costing to be considered for plumbing works while preparing BOQ.</b>	Item 10 ,Plumbing Works – Clause deleted

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20		<b>SECTION F : Technical Specification 1b. Related Turnkey Works</b>	<b>SECTION F : Technical Specification 1b. Related Turnkey Works, item 11</b> , Electrical: The supplier shall be required to specify the total load requirements for the CT 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 CT 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 CT 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 CT 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 CT scan and clarify if incoming power cable up to CT LT panel inside the UPS room is in builder's or Siemens' scope.	It is hereby clarified that the main LT panel of CT Scan machine is under the scope of the bidder usually placed in the UPS room of CT scanner. The incoming power cable up to the CT LT panel will be arranged by HLL.
21		<b>SECTION F : Technical Specification 1b. Related Turnkey Works</b>	<b>SECTION F : Technical Specification 1b. Related Turnkey Works, item 11</b> 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
22		<b>SECTION F : Technical Specification 1b. Related Turnkey Works</b>	<b>SECTION F : Technical Specification 1b. Related Turnkey Works</b> <b>Networking:</b> LAN Network	Confirm whether network cabling 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 CT scan area (incl CT console, gantry, etc). A network switch shall be provided with provision to connect with the main LAN network of the centre.

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					Necessary provisions shall be provided for connecting a system required for Teleradiology reporting and also to connect with dry imager.
23		<b>SECTION F : Technical Specification 1b. Related Turnkey Works</b>	<b>SECTION F : Technical Specification 1b. Related Turnkey Works</b> <b>Networking: CCTV</b>	Whether CCTV to be considered for all rooms, ie, Gantry room, console room, UPS room and passage	CCTV installations will be done by HLL. However necessary support shall be provided by the bidder.
24		<b>SECTION F : Technical Specification 1b. Related Turnkey Works</b>	<b>SECTION F : Technical Specification 1b. Related Turnkey Works, item no.14</b> 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.
25	Wipro GE Healthcare Pvt. Ltd.,	<b>SECTION F Technical Specification, 1.a. TECHNICAL SPECIFICATIONS OF CT SCANNER 64 SLICE</b>	I. The system should be with 20 mm or more Z axis detector width Sub-mm scanning capability in Axial and helical mode is essential, with capability of acquiring 32 slices per rotation in single axial mode. System should be ready for integrating with any PACS/HIS system without any additional software or hardware.	The system should be with 10mm or more width in Z-Axis coverage & have scanning capability in axial and helical mode with capability of acquiring 16 slices per rotation in single axial mode.  1. Since the CT scanner is predominantly being used in a diagnostic set up in taluk hospitals, a 16 slice acquisition and 32 slice reconstruction will be ideal. 2. 10 mm detector with high coverage of 21mm/sec coverage will be ideal clinically since most cases are	No change in Tender Terms



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				head and body. It will also benefit commercially as total cost of ownership is viable.	
26		<b>a. Gantry:</b>	2. The scan FOV acquisition mode should be at least 50cm or more with Intermediate steps for scanning different anatomic region.	The scan FOV acquisition mode should be at least 43cm or more with Intermediate steps for scanning different anatomic region.  Since the maximum shoulder to shoulder diameter is 40 cm, a field of view of 40 cm or more will be ideal to encourage larger participation.	No change in Tender Terms
			5. With user control panels on either sides	Should have user control panels on gantry which can be approached from either side of gantry.  User control panels on either side is specific to one company	Accepted "Should have user control panels on gantry which can be approached from either side of gantry"
27		<b>b. X-Ray Generator:</b>	3. mA Range: 20-350 mA or higher (With incremental steps of 10 mA)	Please consider mA range from 20-350mA or higher @120kV (with incremental steps of 10mA)  1. Ensuring a high mA at an optimum kV ensures the right dose to the patient. 2. Low kV and optimum mA can be set for Pediatric protocols as well.	No change in Tender Terms
28		<b>d. Detectors, Data acquisition system &amp; Image reconstruction:</b>	2. System should have minimum 32 physical rows of detector capable of acquiring /generating 64 slices.	Should be capable of generating a minimum of 16 slices per acquisition.  Since this is a diagnostic CT having 16 slices per rotation is ideal. Clinically this	No change in Tender Terms

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				can be reconstructed to 32 slices.	
			3. Acquisition of cardiac images with ECG gating (prospective & retrospective) should be possible.	Please delete this  Consideration is for a diagnostic CT, hence any cardiac function is not required.	Accepted and amended as "Acquisition of cardiac Calcium Score with ECG gating and evaluation should be possible."
			5. Real time reconstruction speed: 20 images per second or more at 1024 x1024 matrix.	Real time reconstruction speed: 20 images per second or more at 512 x 512 matrix.  for wider participation	Accepted and amended as "Real time reconstruction speed : 20 images per second or more at 512 x 512 matrix."
29		e. Patient Table:	3. Metal free scannable range of 150 cm or more	Metal free scannable range of 135 cm or more. for wider participation	No change in Tender Terms
30		f. CT Applications:	12. Cardiac CT.	Please delete Cardiac CT Consideration is for a diagnostic CT hence any cardiac function is not required.	SECTION F Technical Specification, f. CT Applications, point no. 12 Cardiac CT is Deleted.
31		SECTION F : Technical Specification	2. General Points D. Comprehensive Annual Maintenance Contract 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 40, Clause 'D'	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".	Tender clause is changed as 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 double the downtime period
32		SECTION B, INSTRUCTIONS TO THE BIDDERS	27. LICENSE AND PERMITS: The Participant shall acquire in	Please delete this. Any regulatory approvals required for delivery and installation would be the	No change in tender terms

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		(ITB)	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.	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.	
	<b>Additiona l</b>	BOQ Clarification	Excel BOQ	BOQ updated from GST % as GST (INR)	<b>Revised BoQ shall be uploaded as amendment in GeM Portal.</b>

**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.**