

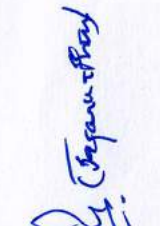

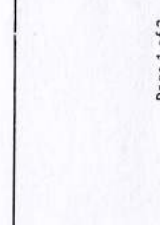
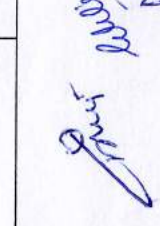

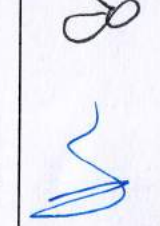
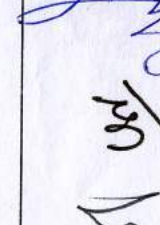


Sl No.	Para No. of the specifications	Tender Specifications	Name of Vendor	Technical concerns of vendor	TSEC Recommendation
1	4 RF Transmitter, Receiver Coils (Page No.46)	e) Coils (in addition to the in-built body coil) Price to be separately for each coil, biopsy needle	Siemens Healthcare Private Limited	Request you to amend as "Coils (in addition to the in-built body coil)"	e) Coils (in addition to the in-built body coil)
1	4.c) RF Transmit technology (i)	(i) Latest RF transmit system (like Multi-transmit/ Multi Drive transmit system or its equivalent/ Trueshape multi-transmit, etc) with at least two independent output channels should be offered to improve RF uniformity and signal homogeneity and to reduce patient induced in-homogeneities	GE Healthcare	(i) Latest RF transmit system (like Multi-transmit/ Multi Drive/ Trueshape Parallel Transmit etc) with at least two independent output source/ Port should be offered to improve RF uniformity and signal homogeneity and to reduce patient induced in-homogeneities	(i) Latest RF transmit system (like Multi-Transmit/ Multi Drive/ Trueshape Parallel Transmit etc) with at least two independent output source/ Port should be offered to improve RF uniformity and signal homogeneity and to reduce patient induced in-homogeneities
2	4 EF Transmitter, Receiver, Coils (Page No.47)	(viii) Dedicated Shoulder array coil (8 Channel or more); if a dedicated coil is not available with the vendor, then the vendor has to quote equivalent coil (for eg, if Flex coil is offered, then the number should be in addition to the previously quoted coil)	Siemens Healthcare Private Limited	Request you to amend as "Shoulder array coil (16 Channel or more)." Justification: Higher channel coils are available with all vendors which provide better SNR resulting in better image quality.	(viii) Dedicated Shoulder array coil (8 Channel or more)
3	4 EF Transmitter, Receiver Coils. (Page No.47)	(viii) Suitable Wrist coil (8 Channel or more); if a dedicated coil is not available with the vendor, then the vendor has to quote equivalent coil (for eg, if Flex coil is offered, then the number should be in addition to the previously quoted coil).	Siemens Healthcare Private Limited	Request you to amend as "Suitable Wrist coil (16 Channel or more); if a dedicated coil is not available with the vendor, then the vendor has to quote equivalent coil (for eg, if Flex coil is offered, then the number should be in addition to the previously quoted coil)." Justification: Higher channel coils are available with all vendors which provide better SNR resulting in better image quality.	(viii) Dedicated Wrist coil (8 Channel or more)
1	para 4. RF Transmitter, Receiver, Coils (Page No.47)	(xv) Bilateral Breast Biopsy Coil (with Grid biopsy - Core) should be compatible with the Vacuum assisted Biopsy facility (that is being procured separately), with all necessary software and hardware for integration.; Price to be separately quoted for all consumables including biopsy needle; refer Para 13. Other accessories, point vii.			(xv) Bilateral Breast Biopsy Coil (with Grid biopsy - Core) should be compatible with the compatible with BARD or EnCor Vacuum assisted Biopsy facility (that is being procured separately), with all necessary software and hardware for integration.; Price to be separately quoted for all consumables including biopsy needle; refer Para 13. Other accessories, point vii.
2	4.c) RF Transmit technology (ii)	(ii) If the vendor has two RF amplifiers for producing better image quality/ features, the same should be quoted	GE Healthcare	(ii) Two RF amplifiers for producing better image quality/ features should be quoted	no change considered
	5. Computer Control System	(i) TWO Nos. workstation with colour TFT display (19" or more) with evaluation capabilities (as required for all applications in the tender, section 7).	Siemens Healthcare Private Limited	Request you to amend as "A Client Server Architecture based solution, Minimum 20,000 concurrent slices (ii) Client Hardware (2 Nos.) as specified below: Monitors: 1 MP clinical grade monitor, with mouse CPU Unit: 2820 or equivalent CPU unit with 2 six core processors, Minimum 32 GB (8 GB X 4) RAM, NVIDIA 1 GB or equivalent, 1TB hard drive and 256 GB SSD	(ii) The existing specification of Two No.s workstation to be replaced with the following Client-Server System. CLIENT-SERVER SYSTEM: (A Client - Server Architecture based solution, Minimum 20,000 concurrent slices , 1 no. floating /concurrent user license for all applications. DICOM 3.0 compatibility and interfacing with other modalities must be possible. The Client / Nodes shall have the resolution, software and all functionality of a stand-alone workstation.) CONFIGURATION: 1 no. Server and 2 no.s Clients/Nodes. 1 user license for each of the applications to be provided as standard . The software should also include a reputed antivirus software of a perpetual type or renewed by the supplier. Hardware Server: The server (single/dual configuration) should have image storage capacity of at least 2.5 Tera bytes, minimum 20,000 concurrent slice processing power and at least 32GB RAM. 21" or more TFT/LCD monitor. Hardware: Client / Node: CPU unit , minimum 32GB RAM , Medical grade monitor of 2MP resolution & size - 18" or more , mouse, keyboard.

Sl. No.	Para No. of the specifications	Tender Specifications	Name of Vendor	Technical concerns of vendor	TSEC Recommendation
5	Optimized sequence Packages (Page No.51)	(vii) Synthetic MR imaging with offline provision to reconstruct with variable TR/TE.	Siemens Healthcare Private Limited	Request you to make it optional item. Justification: Synthetic MR is a third party product. They do not have regulatory approval for sale in India for Clinical purpose. Hence we request you to make it an optional item as definite timeline is not available for clinical approval.	(vii) Synthetic MR imaging with offline provision to reconstruct with variable TR/TE : TO BE DELETED
3	5. Computer Control System	New Addition requested	GE Healthcare	We humbly request to please add - (iii) "Image Recon Engine should be at least 40000 FFT/Sec in Full FOV under 256 matrix.	no change considered
1	6. (a) Fast Sequences (xi)	Multi-band EPI: Simultaneous Multi Slice Accelerate advance applications for clinical routine .	Philips Medical Systems Nederland B.V.	Kindly delete, the word Multi Band EPI because MB Sense is only applicable for EPI sequences and mostly used for Neuro Imaging. Instead of Multi Band Sense , Philips as introduced Compressed Sense, which can be used for all the applications including Neuro , Abdomen , MSK , Cardiac , Vasular etc. Therefore request you to modify the same to Simultaneous Accelerate advance application for clinical routine use like Multi Band Sense / Compressed Sense.	6.(b) Fast Sequences (xi): TO BE DELETED
3	para 6, b) Imaging Pulse sequences	(i) All standard and special pulse sequences available at the time of quote/ delivery should be offered and quoted in the bid. If the vendor does not have any particular sequence/s but offers a work in progress (WIP) sequence/s, then it should be provided without any pre-			(i) TO BE DELETED
2	7. Special Application Packages (k)	Smart Exam/ Smart Brain/ Ready Suite/Brain Dot Engine/ equivalent technique should be quoted in all available imaging packages.	Philips Medical Systems Nederland B.V.	Necessary composing s/w for whole body application . Smart Exam / Dot Engine / Equivalent technique should be quoted in all available imaging package. Because all the other software asked is pertaining to Brain only . As the spec is asked for whole body , please amend it suitably.	7. Special Application Packages (k) : Necessary composing s/w for whole spine and whole body applications . Smart Brain / Ready Suite / Brain Dot Engine / equivalent technique should be quoted for Brain Imaging
2	para 13. Other accessories, point vii. separately)	(vii) Complete consumable package for prostate and breast biopsy. - 20 each per annum for 5 years. (price of individual kit to be quoted separately)			(vii) Complete consumable package , ready-to-use kit for prostate and breast biopsy. - 100 no.s (staggered supply:- 20 no.s to be supplied per annum for 5 years. Price of individual kit to be quoted separately)
SITE MODIFICATION:					
6	13. Other accessories (Page No.37)	i) Ten Revolving chairs (Godrej Make) with ergonomic support	Siemens Healthcare Private Limited		Point no. 13. other accessories (Page No.57): TO BE DELETED
7	MODIFICATION WORK - 3 T MRI SYSTEM Furniture: (Page 61)	Revolving chairs height adjustable, medium-back with hand-rest in the Control room, Radiologist room and viewing area. - 8 Nos.	Siemens Healthcare Private Limited	Request you to amend as "Revolving chairs height adjustable, medium-back with hand-rest - 10 nos."	17. SITE MODIFICATION WORK - 3 T MRI SYSTEM 9. Furniture: (Page 61) : Revolving chairs height adjustable, medium-back with hand-rest in the Control room, Radiologist room and viewing area. 10 Nos.
8	Point no. 4 flooring (Page No.60)	50 mm thick cement concrete flooring with 5mm-Vinyl flooring in MRI equipment / UPS room.	Siemens Healthcare Private Limited	Request you to amend as "50 mm thick cement concrete flooring with 5mm-Vinyl flooring in MRI equipment / UPS room.	no change considered
9		5mm Hospital grade Vinyl Flooring of reputed brands (eg. Armstrong, Gerflor, Tarkett or equivalent) for MRI Examination-Gantry room	Siemens Healthcare Private Limited	2mm Hospital grade Vinyl Flooring of reputed brands (eg. Armstrong, Gerflor, Tarkett or equivalent) for MRI Examination-Gantry room"	Hospital grade Vinyl Flooring - 2mm or more thickness , reputed brand (eg. Armstrong, Gerflor, Tarkett or equivalent) for MRI Examination-Gantry room.

Dr. Sanjay Kumar (for Muneesh Kumar)

 27/02

 Dr. Muneesh Kumar

 (for Muneesh Kumar)



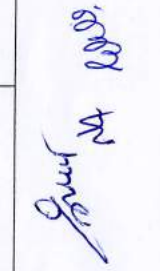
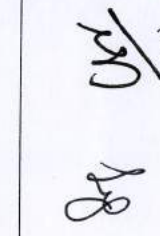

 28/02

DISPOSAL REPORT OF PRE-BID CONCERNS/ QUERIES - TECHNICAL : 256 SLICE DUAL ENERGY CT : NIB REF No. HITES.PCD/NCI-AIIMS/10/17-18

Sl no.	Para No. of the specifications	Tender Specifications	Name of Vendor	Technical concerns of vendor	TSEC Recommendation
		Item No. 2 (Rfx/Event number 3000002582) 256 Slice Dual Energy CT			Item No. 2 (Rfx/Event number 3000002582) 256 Slice Dual Energy CT to be hereafter referred hereafter as 256 Slice CT.
1	3.4 Heat loading capacity	The vendor certify that x-ray tube with the highest heat loading capacity and rating available at the time of shipment and the highest and available technology will be supplied (with a minimum of 5.5 MHU)	Phillips Medical Systems Nederland B.V.	The vendor certify that x-ray tube with the highest heat loading capacity and rating available at the time of shipment and the highest and available technology will be supplied (with a minimum of 8.0 MHU)	The heat loading capacity of the x-ray tube should be 8 MHU or more.
2	5.1 Sp read Exposure	At least 60 sec or more.	Phillips Medical Systems Nederland B.V.	At least 100 sec or more.	NO CHANGE CONSIDERED
3	5. SCANNING MODES	5.1.2. Scan time for full 360 degree rotation : ≤ 0.3 sec			5.1.2. Scan time for full 360 degree rotation : ≤ 0.28 sec
4	6. DUAL ENERGY	paragraph : 6. DUAL ENERGY : including para 6.1.1, 6.1.2 , 6.2.1 to 6.2.12:			6. DUAL ENERGY : Paragraph including points 6.1.1 to 6.1.2 , 6.2.1 to 6.2.12: TO BE DELETED
6	6.2 Dual Energy Applications (number of slices) / Page No. 62.	6.2.9. Pulmonary Embolism (License: 2Nos.): Automatic detection of filling defects and automatic lesion zoom view.	Siemens Healthcare Private Limited		14.5.: Advanced Applications as specified below. (2 concurrent user licenses for each application to be provided as standard)... para 14.5.11 (TO BE ADDED) : Pulmonary Embolism : Automatic detection of filling defects and automatic lesion zoom view.
7	8. DATA ACQUISITION SYSTEM- LATEST DETECTOR CONFIGURATION.	8.1: z axis Detector coverage width 50 mm or more at 1:1 pitch	Siemens Healthcare Private Limited	Request you to amend as " z axis Detector coverage width 38 mm or more at 1:1 pitch"	8.1: z axis Detector coverage width 38 mm or more at 1:1 pitch
8	8.1 z axis Detector coverage width	50 mm or more at 1:1 pitch	Phillips Medical Systems Nederland B.V.	40 mm or more at 1:1 pitch	
9	8. DATA ACQUISITION SYSTEM- LATEST DETECTOR CONFIGURATION	8.3 : Number of physically independent rows of detector must be 190 or more, capable of acquiring 256 slices or more/rotation.	Phillips Medical Systems Nederland B.V.	Number of physically independent rows of detector must be 190/Sandwich detectors of 64+64 rows or more, capable of acquiring 256 slices or more/rotation. Request you to amend as " Number of detector rows or elements : Number of physically independent rows of detector must be 128 or more, capable of acquiring 256 slices or more/rotation."	8.3. Number of detector rows or elements : Number of physically independent rows of detector must be 128 or more capable of acquiring 256 or more image slices or more per rotation.
			Siemens Healthcare Private Limited	GE HEALTHCARE	
10	9.1. TFT Fluorocopy	9.1. TFT Monitor : ≥ 18 inch in size, suspended from ceiling.	Siemens Healthcare Private Limited	9.1. TFT Monitor ≥ 18 inch in size	9.1. TFT Monitor ≥ 18 inch in size
11	11. GENERATOR GENSCLE WITH TABLE (Page No. 35)	12.5. Body perfusion Minimum 18 cm of coverage	Siemens Healthcare Private Limited	Request you to amend as " Body perfusion Minimum 14 cm of coverage"	12.5.: Body perfusion : Minimum 14 cm of coverage

DISPOSAL REPORT OF PRE-BID CONCERNS/ QUERIES - TECHNICAL : 256 SLICE DUAL ENERGY CT ; NIB REF No. HITES.PCD/NCI-AIIMS/10/17-18

S/ no.	Para No. of the specifications	Tender Specifications	Name of Vendor	Technical concerns of vendor	TSEC Recommendation
12	14.: IMAGE POST PROCESSING	IMAGE POST PROCESSING 14.1 Architecture: A Client Server Architecture based solution from the CT OEM	GE HEALTHCARE	IMAGE POST PROCESSING Architecture: A Client Server Architecture based solution from the CT OEM or independent Radiology Workstation with all applications mentioned.	IMAGE POST PROCESSING : 14.1 Architecture: A Client Server Architecture based solution from the CT OEM or independent Radiology Workstation from CT OEM for applications as detailed in para 14.4 & 14.5.
12	14.: IMAGE POST PROCESSING	14.1.1.: Minimum number of slices/Users for concurrent processing : Minimum 24,000 slices/minimum 5 concurrent users working both on PACS in the department and on new workstations provided by vendor.			14.1.1. : to be deleted.
13	14.: IMAGE POST PROCESSING	14.1.2.: User licensing scheme : Concurrent or independent license for standalone workstations.			14.1.2. : to be deleted
14	14.: IMAGE POST PROCESSING	14.1.3.: Integration : Imaging processing server/workstations must be integrated with RIS-PACS in the department.			14.1.3. : Imaging processing server/workstations must be integrated with RIS-PACS, as and when made available .
15		14.2.1. Hardware Dell/HP/IBM dual CPU; Window server 2008/20-2, 64-bit OS, RAM-64 GB minimum; Data Disc: RAID level 5; Graphical processing unit: 2xNVIDIA GPU or equivalent; Image storage minimum 4 TB.	Siemens Healthcare Private Limited	Request you to amend as " Hardware Dell/HP/IBM dual CPU; Window server 2008/2012, 64-bit OS, RAM-64 GB minimum; Data Disc: RAID level 5; Graphical processing unit: 2xNVIDIA GPU or equivalent; Image storage minimum 2.5 TB. "	
16	14.2. Server Hardware (Para No.62)	Server Hardware Hardware: Dell/HP/IBM dual CPU; Window server 2008/2012, 64-bit OS, RAM-64 GB minimum; Data Disc: RAID level 5; Graphical processing unit: 2xNVIDIA GPU or equivalent; Image storage minimum 4 TB.	GE HEALTHCARE	Server Hardware Hardware: Dell/HP/IBM dual CPU; Window server 2008/2012, 64-bit OS, RAM-64 GB minimum; Data Disc: RAID level 5; Graphical processing unit: 2xNVIDIA GPU or equivalent; Image storage minimum 4 TB. Or 2 numbers of independent workstations : Dell/HP/IBM Dual CPU, 64 bit OS, 32GB RAM etc. storage 1 TB each.	14.2.1. to be deleted
17		14.2.2.: In addition, a separate price quotation must be submitted by the vendor for one independent workstation with the above-mentioned configuration, as an optional item.			14.2.2. : to be deleted
28	14.3 : Client hardware (3 units) as specified below.	14.3 : Client hardware (3 units) as specified below. Unit Price of client station to be quoted separately. (For additional units if required.)			14.3 : Client hardware (2 units) as specified below.
19	14.3 : Client hardware (3 units) as specified below.	14.3.1. Monitors Two, Minimum 3 Megapixel Medical Grade Monitor	Siemens Healthcare Private Limited	14.3.1. Monitors Two, Minimum 2.3 Megapixel Medical Grade Monitor	14.3.1. Minimum 2 Megapixel - Medical Grade Monitors : 2 no.s
	14.4. Basic capabilities (Minimum 3 concurrent users for all applications)	14.4. Basic capabilities (Minimum 3 concurrent users for all applications)			14.4 : Basic Capabilities (All the Basic Capabilities mentioned in para from point 14.4.1 to 14.4.5 should be available independently on both the Clients.)
20	14.5 : Advanced Applications as specified below.	Advanced Applications as specified below: (2 concurrent user licenses for each application to be provided as standard). Price of each additional concurrent user license to be quoted separately. (For additional users if required.)			14.5 : Advanced Applications as specified below. (All the Advanced Applications mentioned in following paragraph - point 14.5.1 to 14.5.10 should be available, in addition to the Basic Capabilities on one of the Clients.)


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DISPOSAL REPORT OF PRE-BID CONCERNS/ QUERIES - TECHNICAL : 256 SLICE DUAL ENERGY CT ; NIB REF No. HITES.PCD/NCI-AIIMS/10/17-18

Sl. No.	Page No. of the Specification	Tender Specifications	Name of Vendor	Technical concerns of vendor	TSEC Recommendation
21	15	IMAGING RESOLUTION (Page No. 15)	Siemens Healthcare Private Limited	Request you to amend as "Recons Field of View : At least 5 to 50 cm continuous for single energy and at least 5 to 35 cm for dual energy applications"	15.2. Recons Field of View : At least 5 to 50 cm (continuous).
22	16	IMAGING QUALITY	Philips Medical Systems Nederland B.V.	It should be not less than 16 lines pair per cm or better maximum at 0% MTF X-Y axis for FOV not less than 35cm.	16.1 High contrast Spatial Resolution for entire width of the detector: It should be not less than 16 lines pair per cm or better maximum at 0% MTF X-Y axis for FOV not less than 35cm.
23	17	DOSE REDUCTION TECHNIQUES (Page No. 17)	Siemens Healthcare Private Limited	Request you to amend as "Advanced Iterative Reconstruction : Raw & Model-based Iterative reconstruction technology for all imaging protocols including brain (ADMIRE/VEO/FIRST/IMR)"	17.3. Advanced MODEL BASED Iterative reconstruction technology for all imaging protocols including Brain. (ADMIRE or IMR or equivalent)
24	18	DOSE REDUCTION TECHNIQUES : Advanced Iterative Reconstruction : Model-based Iterative reconstruction technology for all imaging protocols including brain (ADMIRE/VEO/ FIRST/IMR)	GE HEALTHCARE	DOSE REDUCTION TECHNIQUES : Advanced Iterative Reconstruction: Model-based Iterative reconstruction technology for all imaging protocols including brain (ADMIRE/ ASIR-V/ FIRST/IMR)	18. DOSE PERFORMANCE DATA (USING IEC STANDARD PHANTOMS): paragraph including points 18.1 & 18.2 to be deleted
25	18	DOSE PERFORMANCE DATA (USING IEC STANDARD PHANTOMS)	Philips Medical Systems Nederland B.V.		
26	21	UPS	Siemens Healthcare Private Limited	21.3 UPS : Online UPS with Maintenance free batteries capable of 15 minutes back up to run the entire CT, Computers, Dry chemistry camera, Work Stations etc.	21.3 Minimum 200 KVA UPS Online UPS with Maintenance free batteries capable of 15 minutes back up to run the entire CT, Computers, Dry chemistry camera, Server , client nodes etc.
27	21	NECESSARIES		21.4 : PRESSURE INJECTOR : Triple-Head Syringeless Pressure Injector of reputed make with 100 sets of Pump Hose & 500 sets of patient tubing. Specify the make of injector. Provide original datasheet of the quoted model.	21.4 : PRESSURE INJECTOR : Dual-Head Pressure injector of reputed make with 100 syringe sets , 300 sets of patient tubing and 300 sets of filling tubing. Specify the make of Injector. Provide original datasheet of the quoted model.
27	24	INSTRUCTIONS		24.3: Quoted model should be USFDA approved & AERB TYPE APPROVAL or NOC certificate to be provided. Model which do not have AERB Approval may be supplied with the undertaking that the supplier shall be responsible for obtaining the AERB Type approval of the system within reasonable time, at no cost nor liability to the Institute.	24. INSTRUCTIONS 24.3: Quoted model should be USFDA approved & AERB TYPE APPROVAL or NOC certificate to be provided. Model which do not have AERB Approval may be supplied with the undertaking that the supplier shall be responsible for obtaining the AERB Type approval of the system within reasonable time, at no cost nor liability to the Institute.

(Handwritten signatures and notes)

Dr. S. S. Kumar

Dr. S. S. Kumar

Dr. S. S. Kumar

DISPOSAL REPORT OF PRE-BID CONCERNS / QUERIES - TECHNICAL : DIGITAL SUBTRACTION ANGIOGRAPHY ; NIB REF No. HITES.PCD/NCI-AIIMS/10/17-18


SI no.	Para No. Offer Specifications	Tender Specifications	Name of Vendor	Technical concerns of vendor	TSEC Recommendation
1	F (3)	Size of lateral plane should be at least 40 cm diagonal	Philips Medical Systems Nederland B.V.	Size of lateral plane should be at least 39 cm diagonal	para F : Biplane Digital System: point 5. Size of lateral plane should be at least 39 cm diagonal
2	G (8)	Digital subtraction angiography software of automatic pixel shift enhancement for iodine and CO2 contrast should be possible.	Philips Medical Systems Nederland B.V.	Digital subtraction angiography software of pixel shift enhancement for iodine and CO2 contrast should be possible.	para G . Digital Imaging System and essential software: B . : Digital subtraction angiography software of pixel shift enhancement for iodine and CO2 contrast should be possible.
3	G (13)	An additional workstation for processing of the DSA images and their documentation should be provided in addition to 3D workstation. This workstation should have the facility to reconstruct the long leg view for peripheral images.	Philips Medical Systems Nederland B.V.	An additional workstation for processing of the DSA images and their documentation should be provided in addition to 3D workstation. This workstation/Console should have the facility to reconstruct the long leg view for peripheral images.	para G . Digital Imaging System and essential software: point 13: DELETED
	G (11)	An additional workstation for processing of the DSA images and their documentation should be provided in addition to 3D workstation. This workstation should have the facility to reconstruct the long leg view for peripheral images.	Siemens Healthcare Private Limited	Request you to amend as "System has facility to reconstruct the long leg view for peripheral images."	
		The digital system should have software for vascular analysis and quantification including stenosis %. All measurement should be possible from the patient table side.			para G . Digital Imaging System and essential software: 11. : The digital system should have software for vascular analysis and quantification including stenosis %. All measurement should be possible from the patient table side. The system should have facility to reconstruct the long leg view for peripheral images."
2	Point no A 5)	Both gantries should have fast speed for angulations and positioning. The frontal system should have a speed of at least 15 degree/sec. for all positions and lateral plane should have a speed of at least 8 degree/sec.	ERBIS-CANON MEDICAL SYSTEMS	Please clarify the frontal plane speed of 15 degree /second is required in both single plane setting and Bi-plane setting. If this speed is required for both plane settings then we request you to kindly amend the specs as "Both gantries should have fast speed for angulations and positioning. The frontal system should have a speed of at least 10 degree/sec. for all positions and lateral plane should have a speed of at least 8 degree/sec."	No change considered
3	Point no C 3)	Radiography KVP range should be 40 KV – 125 KV or more.	ERBIS-CANON MEDICAL SYSTEMS	Radiography KVP range should be 50 KV – 125 KV or more	No change considered
4	Point no F (5)	Spatial resolution should be at least 3.0 LP/mm in frontal plane and 2.5 LP/mm in the lateral plane.	ERBIS-CANON MEDICAL SYSTEMS	Since the same detectors has been asked for frontal plane and lateral plane then we request you to mention the same resolution for both the planes. Hence we request you to kindly amend the same as "Spatial resolution should be at least 2.5 LP/mm in frontal plane and 2.5 LP/mm in the lateral plane."	No change considered
5	Point no. G (7)	Spatial resolution should be at least 3.0 LP/mm in frontal plane and 2.5 LP/mm in the lateral plane.	Siemens Healthcare Private Limited	Request you to amend as "Spatial resolution should be at least 3.0 LP/mm in frontal plane and 3.0 LP/mm in the lateral plane."	No change considered
		It should have minimum image storage capacity of 1,00,000 images in the 1024 x 1024/12 bit.	ERBIS-CANON MEDICAL SYSTEMS	It should have minimum image storage capacity of 79,000 images in the 1024 x 1024/12 bit	No change considered
	Additional Point		ERBIS-CANON MEDICAL SYSTEMS	Since model to be offered in the subject tender is under installation and Type Approval of the same is expected after the installation only so we request you to kindly add the following: "Offered System should have AERB Type Approval or Valid AERB NOC at the time of Quoting Tender."	ADDED PARA : The DIGITAL SUBTRACTION ANGIOGRAPHY SYSTEM should be USFDA and AERB approved. Model which do not have AERB Approval may be supplied with the undertaking that the supplier shall be responsible for obtaining the AERB Type approval of the system within reasonable time, at no cost nor liability to the Institute.


[Handwritten signatures and initials in blue ink]

DISPOSAL REPORT OF PRE-BID CONCERNS / QUERIES - TECHNICAL : DIGITAL SUBTRACTION ANGIOGRAPHY ; NIB REF No. HITES.PCD/NCI-AIIMS/10/17-18


Sl No.	Para No. of the Specifications	Tender Specifications	Name of Vendor	Technical concerns of vendor	TSEC Recommendation
2	Para A: y: (Page No 74)	1. The system should have two gantries: one floor mounted and one ceiling suspended providing full body coverage. The lateral plane should have motorized longitudinal C-arm movement.	Siemens Healthcare Private Limited	Request you to amend as "The system should have two gantries: one floor mounted and one ceiling suspended providing full body coverage without patient repositioning . The lateral plane should have motorized longitudinal C-arm movement."	para A Gantry point 1: The system should have two gantries: one floor mounted and one ceiling suspended providing full body coverage without patient repositioning . The lateral plane should have motorized longitudinal C-arm movement.
3	Para A: y: (Page No 74)	2. It should be possible to pre-program the gantries for multiple examination positions.	Siemens Healthcare Private Limited	Request you to amend as " It should be possible to pre-program the gantries for at least 30 examination positions."	para A Gantry point 2 : It should be possible to pre-program the gantries for at least 30 examination positions .
5	Para F: Digital System: Image (Page No. 75)	6. Three monitors of at least 19" size TFT/LCD for each plane for display of live, reference and subtracted image with high resolution flicker free display should be provided. Monitors should have anti-glare provision.	Siemens Healthcare Private Limited	Request you to amend as " Medical grade large high definition display (minimum 55 inches) to display live, reference, 3D,CT like image, Waveforms with layout selection from integrated tableside control in exam room."	para F : Biplane Digital System: point 6. Large Medical-Grade , Colour, flicker-free high resolution display of at least 56" size , having contrast resolution of at least 4000:1. should be provided for display of live, reference and subtracted image as well as hemodynamic data.
6	Para F: Digital System: Image (Page No. 75)	7. Similarly 4 monitors, two for each plane (live & reference image) with high resolution display in the control room should be provided.	Siemens Healthcare Private Limited	Request you to amend as " Similarly 2 monitors , one for each plane (live) with high resolution display in the control room should be provided."	F . Biplane Digital System: Similarly 2 monitors, one for each plane (live) with high resolution display in the control room should be provided."
7	Para F: Digital System: Image (Page No. 75)	Console Monitor for patient registration.	Siemens Healthcare Private Limited	Request you to delete this point as console monitor is integrated in our system.	para F : Biplane Digital System: point 7. Patient registration facility should be provided in the Console.
8	Para F: Digital System: Image (Page No. 75)	Physiology monitor in examination room and in console with the requisite computer system for NIBP, IBP, SPO2 measurement, ETCO 2 display and analysis.	Siemens Healthcare Private Limited	Request you to delete this point as hemodynamic monitor has already been asked under H. Essential Accessories point 9"	para F : Biplane Digital System: point 7. DELETED
9	Para G: Digital System: Image (Page No. 75)	12. Archiving on a CD/DVD recorder should be provided. RAID (4TB) should be supplied with the unit	Siemens Healthcare Private Limited	Request you to amend as "Archiving on a CD/DVD recorder should be provided."	para G Digital Imaging System and essential software: point 12. Archiving on a CD/DVD recorder should be provided.
10	Para G: Digital System: Image (Page No. 75)	17. Specify the time limit for minimum 30 seconds for uninterrupted acquisition of on-line subtracted images at 1024 x 1024 matrix with maximum frame rate.	Siemens Healthcare Private Limited	Request you to delete this point.	para G Digital Imaging System and essential software: point 17. DELETED
11	Para H: Essential Accessories (Page No. 75)	9. A 6-channel monitor for ECG, Blood pressure, respiration, SPO2, ET co2 and NIBP pulse-oximeter (Adult & Paediatric B.P cuffs).	Siemens Healthcare Private Limited	Request you to amend as "A 6-channel monitor for ECG, Blood pressure, respiration, SPO2, ET co2 and NIBP pulse-oximeter (Adult & Paediatric B.P cuffs) with display in large display & console room."	H . Essential Accessories point 9 .: A 6-channel monitor for ECG, Blood pressure, respiration, SPO2,pulse-oximeter , ET co2 and 2no.s NIBP (Adult & Paediatric B.P cuffs) in gantry room with display on the main 56" display monitor & a slave display in the console room."
12	Para I: Site Modification works (Page no 77)	Power supply by the institute will be terminated at existing point.	Siemens Healthcare Private Limited	Request you to remove the same as Supply line is already covered in page no 78, point no 1 of Electrical works. (The supply line will be provided by the institute up to one point within the DSA area.)	para I. Installation point 2 .: Deleted
13	Para I: Site Modification works (Page no 77)	The SCOPE OF WORK for SITE MODIFICATION OF DSA system shall consist of the following rooms:	Siemens Healthcare Private Limited	Request you specify room requirement, as the layout shared is consisting of following rooms:-	The SCOPE OF WORK for SITE MODIFICATION OF DSA system shall consist of the following rooms:
		a. Examination room	Siemens Healthcare Private Limited	a. Examination room	a. Examination room
		b. Console room	Siemens Healthcare Private Limited	b. Console room	b. Console room
















DISPOSAL REPORT OF PRE-BID CONCERNS / QUERIES - TECHNICAL : FULL FIELD DIGITAL MAMMOGRAPHY UNIT ; NIB REF No. HITES.PCD/NCI-AIIMS/10/17-18			
Sl. No. of the Specifications	Tender Specifications	Name of Vendor	Technical concerns of vendor
1	State of art, USFDA approved, Full Field Digital Mammography Unit with Digital Breast Tomosynthesis and Stereotactic Biopsy Facility.	PLATINUM Health Care	Your specs are for a highest end 3D Mammography but you have specified Stereotactic Biopsy (2D Biopsy) whereas now 3D Tomo biopsy is available by few vendors and AIIMS Delhi also uses 3D Tomo Biopsy. For such a high end 3D Mammography , biopsy should also be 3D . Kindly change "Stereotactic Biopsy"(first para , specs 9) as "3D Tomo biopsy "
2	Fully integrated USFDA approved digital breast tomosynthesis system to be supplied as the standard component.	PLATINUM Health Care	No change considered
3	The image processing as well as reviewing software should be USFDA certified for Digital mammography & Tomosynthesis.	PLATINUM Health Care	No change considered
4	USFDA approved vendor neutral, DICOM compatible Breast density software. It should be capable of automatic volumetric computation from both 2D and 3D data. It should be able to display individual breast volumes in cc, volumes of fibroglandular density in cc, percentage density score and ACR BI-RADS (5th edition) density score in tabulated form. It should be possible to calculate mean glandular radiation dose to the breast.	PLATINUM Health Care	We want to quote for our most latest model which is yet to get US FDA . Our older model has US FDA . Kindly change FDA approved to European CE OR US FDA approved wherever US FDA specified (First Para .5a,7b,11,11a) OR you may please rephrase US FDA clause as : " Model should be CE approved. Manufacturer must have US FDA for at least any 1 model of digital mammography "
5	USFDA approved vendor neutral 2D CAD solution. CAD should identify vascular calcification, lymph nodes, nipple and exclude it from markings. CAD marking should be easily toggled on and off.	PLATINUM Health Care	This specs is for a proprietary monopoly third party item manufactured by only 1 firm . How we can give 5 year guarantee and 10 year of performance responsibility for a monopoly third party item over which we have no control? Since its a monopoly proprietary third party item, kindly DELETE this item OR make it an optional item which should not be mandatory to quote and whose price should not be added to determine L1.
6	Upright stereotactic biopsy unit, which should allow biopsy in both CC and ML orientation of the gantry.	PLATINUM Health Care	AIIMS Delhi is already using PROBE BIOPSY TABLE. Prone biopsy is least traumatic , allows intervention from shortest route and most convenient method of biopsy . Kindly specify PRONE BIOPSY TABLE in your specs no. 9 ,11c . Our unit can do Tomosynthesis and Prone biopsy from same detector in same room on the spot.
7	Motorized or Hydraulic mobile biopsy chair cum couch of reputed brand suitable for stereotactic biopsy in sitting and lateral decubitus position.	PLATINUM Health Care	No change considered
8	The unit should have AERB type approval for use in India.	PLATINUM Health Care	para 12: Other features: a. The unit should have AERB type approval for use in India. Model which do not have AERB Approval may be supplied with the undertaking that the supplier shall be responsible for obtaining the AERB Type approval of the system within reasonable time, at no cost nor liability to the Institute.
1	Sr. # 4, Digital Flat panel Detector , Point No. 3 Page No. 31	Siemens Healthcare Private Limited	No change considered
2	Sr. # 10, Compression Pad Point No. 3 Page No. 32	Siemens Healthcare Private Limited	No change considered
3	1-USFDA approved Breast Density Software	Siemens Healthcare Private Limited	No change considered
4	2-USFDA approved vendor neutral 2D CAD solution &	Siemens Healthcare Private Limited	No change considered







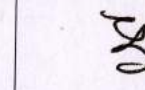
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Request you please amend the specification as "all these three items should quoted optionally & for these items price will be not include to decide L1 criteria."

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DISPOSAL REPORT OF PRE-BID CONCERNS / QUERIES - TECHNICAL : FULL FIELD DIGITAL MAMMOGRAPHY UNIT ; NIB REF No. HITES.PCD/NCI-AIIMS/10/17-18

Sl no.	Para No. of the Specification	Tender Specifications	Name of Vendor	Technical concerns of vendor	TSEC Recommendation
5		3-Vacuum assisted breast biopsy system with facility for dual suction and saline irrigation	Siemens Healthcare Private Limited		No change considered
1	1	State of art, USFDA approved, Full Field Digital Mammography Unit with Digital Breast Tomosynthesis and Stereotactic Biopsy Facility.	BET Medical (Pvt.) Ltd	Kindly amend as "State of art, USFDA/European CE approved, Full Field Digital Mammography Unit with Digital Breast Tomosynthesis and Stereotactic Biopsy Facility.	No change considered
1	Opening Para # 81	State of art, USFDA approved, Full Field Digital Mammography Unit with Digital Breast Tomosynthesis and Stereotactic Biopsy Facility.	GE Healthcare	Please add: in case of FDA, the certificate should be on the name of quoted model. Entire digital mammography system including base system, tomosynthesis, and stereo biopsy of the quoted model only has to be approved by FDA. Vendor has to quote the exact same model that is FDA approved. Models with equivalence of base unit or software / hardware options will not be accepted. Justification: - Several manufacturers are quoting models different from the model mentioned on the FDA certificate. FDA is a strict regulatory body that conducts several clinical/non-clinical examinations on the models its certifies before approving an FDA status. Hence, vendors must quote only models on which clear FDA approvals are provided, this will ensure quality of the unit meets FDA standards	Opening Para on Page No. 81 State of art, USFDA approved, Full Field Digital Mammography Unit with Digital Breast Tomosynthesis and Stereotactic Biopsy Facility. The USFDA certificate submitted must be on the name of the quoted model
1	Opening Para # 81	State of art, USFDA approved, Full Field Digital Mammography Unit with Digital Breast Tomosynthesis and Stereotactic Biopsy Facility	GE HEALTHCARE	State of art, USFDA approved, Full Field Digital Mammography Unit with Digital Breast Tomosynthesis and Stereotactic Biopsy Facility . FDA should be in name of quoted model.	
2	Please add	Complete Contrast enhanced: Spectral/Dual energy package including software and hardware. Suitable pressure injector with 20 syringes	GE Healthcare	We humbly request to add this point, as this point was there in earlier tender specs at Point No. 11.c. and as this application will deliver latest technology to benefit patients. Contrast enhanced spectral mammography (CESM) is commercially available since several years in the market with multiple vendors. Evidence is available that using CESM application helps deliver following clinical advancements: Clinically proven results: Sensitivity: For every 100 cancers, potentially find 13 more Specificity: 6 more benign lesions out of 100 can be correctly classified as benign. Negative Predictive Value: 19 more patients without cancer out of 100 can be sent home avoiding further anxiety/workup ...versus mammography alone	No change considered
	para - 7. REPORTING WORKSTATION (Inc. source.) pg 81	(a)The image processing as well as reviewing software shall be from the principal manufacturing company of Digital Mammography unit.	FUJIFILM INDIA PRIVATE LIMITED	Kindly Amend To: The image processing as well as reviewing software should be vendor neutral and complying with the same international standards as that of main system. This will ensure us and many other vendors to quote vendor neutral reporting workstation complying with international standards of repute. Since present specification doesn't ask for reporting workstation to comply with any of the international standard.	No change considered
	PARA 3 Image documentation and transfer POINT C.	(c)Mammography and tomosynthesis images should be vendor neutral so that viewing at any other workstation and storage in institute PACS server is possible. If these image formats are proprietary, appropriate licences should be provided to convert them for general viewing and to transfer tomosynthesis images to any vendor neutral PACS. Asked point gives undue advantage to a single specific vendor having tomosynthesis stored images in a proprietary format and probably are not transferable to the vendor neutral PACS .	FUJIFILM INDIA PRIVATE LIMITED	Mammography and tomosynthesis images should be vendor neutral so that viewing at any other workstation and storage in institute PACS server is possible. If these image formats are proprietary, appropriate licences should be provided to convert them for general viewing and to transfer tomosynthesis images to any vendor neutral PACS. Asked point gives undue advantage to a single specific vendor having tomosynthesis stored images in a proprietary format and probably are not transferable to the vendor neutral PACS .	No change considered

DISPOSAL REPORT OF PRE-BID CONCERNS / QUERIES - TECHNICAL : FULL FIELD DIGITAL MAMMOGRAPHY UNIT : NIB REF No. HITES.PCD/INCI-AIIMS/10/17-18

SI TO.	Para No. of the Specifications	Tender Specifications	Name of Vendor	Technical concerns of vendor	TSEC Recommendation
	para 11. Standard accessories. Point b.)	(b) Vacuum assisted breast biopsy system with facility for dual suction and saline irrigation (Mammotome-revolve or Suros or BARD-encore or equivalent). It should be configured ready to use with stereotactic as well as hand held ultrasound guidance. Complete consumable sets for stereotactic, hand held ultrasound guided and MR compatible biopsy guns (20 nos each) and compatible biopsy site marker clips (20 nos each) should also be supplied. Unit Price of consumables for vacuum assisted biopsy to be quoted separately for additional requirement in future	FUJIFILM INDIA PRIVATE LIMITED	<p>Vacuum assisted breast biopsy system with facilities including touchscreen display, dual suction and saline irrigation. It should be configured ready to use with stereotactic as well as hand held ultrasound guidance.</p> <p>Complete consumable sets for stereotactic, hand held ultrasound guided and MR compatible biopsy guns (20 nos each) and compatible biopsy site marker clips (20 nos each) should also be supplied. Unit Price of consumables for vacuum assisted biopsy to be quoted separately for additional requirement in future</p> <p>Features & benefits of touch screen to clinician : Feature 1: Enable the user the convenience of sampling a single or multiple quadrant at a time during the 360 degree rotation of the probe Benefit: avoids unnecessary sampling of healthy tissue & completes procedures faster. Feature2: Dual Mode selection (i.e., Normal or Dense Selection) Benefit: Facilitates clinician option to choose Normal Mode or Dense depending on breast density of patient leading to less time & anxiety for patient. Feature 3: Dual Sampling selection (i.e., Half Sample or Full sample) Benefit: Facilitates clinician to choose sample aperture size depending on lesion location (challenging lesion near chest wall/ nipple/skin) & size in a same probe without removing probe from Breast. Feature 4: Real-time needle viewing Benefit: Helps clinician to understand position & status of aperture (open or close) to avoid accidental damages to tissue. Feature 5: Sample Count Benefit : Clinician can see real time number of sample collected on screen Feature 6: Marker Mode Benefit : Helps to push marker with selection on screen To the best of our knowledge not adding the proposed point benefit only one specific company having both touch screen and non-touch screen option and penalize all other the vendor having only touch screen option.</p>	No change considered
	para 11. Standard accessories. Point c.)	(c) Motorized or Hydraulic mobile biopsy chair cum couch of reputed brand suitable for stereotactic biopsy in sitting and lateral decubitus position. Complete digital mammography QA kit including KV meter and ACR approved phantom. The supplier shall provide regular calibration and QA during the warranty and CMC period.	FUJIFILM INDIA PRIVATE LIMITED	<p>Motorized mobile biopsy chair cum couch of reputed brand suitable for stereotactic biopsy in sitting and lateral decubitus position. Complete digital mammography QA kit including KV meter and ACR approved phantom. The supplier shall provide regular calibration and QA during the warranty and CMC period.</p> <p>This is a third party product for all digital mammography vendors and since hydraulic is less technically advanced than motorized battery operated chair available in the market. Moreover, this will give undue commercial advantage to the one quoting hydraulic biopsy chair instead of motorized.</p>	<p>para 11. Standard accessories. Point c. : Motorized mobile biopsy chair cum couch of reputed brand suitable for stereotactic biopsy in sitting and lateral decubitus position. Complete digital mammography QA kit including KV meter and ACR approved phantom. The supplier shall provide regular calibration and QA during the warranty and CMC period.</p>
	Please Adc	Complete Contrast enhanced: Spectral/Dual energy package including software and hardware. Suitable pressure injector with 20 syringes	GE HEALTHCARE	<p>We humbly request to add this point, as this point was there in earlier tender specs at Point No. 11.c. and as this application will deliver latest technology to benefit patients.</p> <p>Contrast enhanced spectral mammography (CESM) is commercially available since several years in the market with multiple vendors. Evidence is available that using CESM application helps deliver following clinical advancements: Clinically proven results: Sensitivity: For every 100 cancers, potentially find 13 more Specificity: 6 more benign lesions out of 100 can be correctly classified as benign. Negative Predictive Value: 19 more patients without cancer out of 100 can be sent home avoiding further anxiety/workup ...versus mammography alone</p>	No change considered


 Dr. Anil Kumar
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DISPOSAL REPORT OF PRE-BID CONCERNS / QUERIES - TECHNICAL : DIGITAL MOBILE X-RAY UNIT ; NIB REF No. HITES.PCD/NCI-AIIMS/10/17-18

Sl no.	Para No. of the specifications	Tender Specifications	Name of Vendor	Technical concerns of vendor	TSEC Recommendation
1	1.c	c) Max. Current: 400mA or more.			para 1. The X-ray Generator: c. : Max. Current: 300mA at 100kV or more.
2	Sr. NO. 2. X-Ray Tube: Point No. c. Page No. 87	Dual focus x-ray tube with focal spot size 1.2 mm or less.	Siemens Healthcare Private Limited	Request you to amend the specification as "Single/Dual focus x-ray tube with focal spot size 1.00 mm or less."	para 2. X-Ray Tube: Point No. c. : Single / Dual focus x-ray tube with focal spot size 1.2 mm or less.
2		Dual focus x-ray tube with focal spot size 1.2 mm or less.	Convergent Technologies- SAMSUNG India Electronics Pvt. Ltd	Dual focus x-ray tube with focal spot : size 1.2 mm or less. Small Focus: 0.6 mm Large Focus: 1.2 mm Since Dual focus X-Ray tube asked hence small focus and large focus size to be mentioned.	
3	Sr. NO. 2. X-Ray Tube: Point No. d. Page No. 87	Heat storage capacity of the anode should be 140 KHU or more	Siemens Healthcare Private Limited	Request you to amend the specification as "Heat storage capacity of the anode should be 122 KHU or more"	para 2. X-Ray Tube: Point No. d : Heat storage capacity of the anode should be 120 KHU or more
3		Heat storage capacity of the anode should be 140 KHU or more	Convergent Technologies- SAMSUNG India Electronics Pvt. Ltd	Heat storage capacity of the anode should be 300 KHU or more. Since requested X-Ray Generator output is 30 KW and minimum 100 bed size cases are done in Mobile DR System per day hence heat capacity should be appropriately high so that more number of patient can be taken.	
3		The flat panel detector made up of amorphous selenium/silicon with CsI scintillator size at least 14x14 inches or more (Wi Fi enabled wireless).	Siemens Healthcare Private Limited	Request: you to amend the specification as "The flat panel detector made up of amorphous silicon with CsI scintillator size at least 14x17 inches or more (Wi Fi enabled wireless).	no change considered
4	Sr. NO. 3. Flat Panel Detector Point No.a. Page No. 87	The flat panel detector made up of amorphous selenium/ silicon with CsI scintillator size at least 14x14 inches or more (Wi Fi enabled wireless).	Convergent Technologies- SAMSUNG India Electronics Pvt. Ltd	The flat panel detector made up of amorphous selenium/silicon with CsI scintillator size at least 14x17 inches or more (Wi Fi enabled wireless). 14 x 17 is an international size and with 14 x 14 we cannot do complete 14 x 17 is an international size and with 14 x 14 we cannot do complete abdomen X Ray.	no change considered
4	Sr. NO. 4. Battery: Point No. b. Page No. 87	The battery should also provide power for the motor to move the machine.	Siemens Healthcare Private Limited	Request you to amend the specification as "The same battery should be capable to assist motor to move equipment and perform exposure as well"	no change considered
5	Sr. NO. 4. Battery: Point No. c. Page No. 87	The battery should be able to be charged from a normal 15A, 220 V single phase socket in less than 6 hours.	Siemens Healthcare Private Limited	Request you to amend the specification as "The battery should be able to be charged at least: 80% from a normal 15A, 220 V single phase socket in less than 6 hours"	para. 4. Battery: Point No. c. : The battery should be able to be charged at least 80% from a normal 15A, 220 V single phase socket in less than 6 hours"
6	Sr. NO. 5. Other Features: Point No. c. , Page No. 88	Facility for exposures with remote/detachable exposure switch should be possible. Detachable exposure release switch should be supplied.	Siemens Healthcare Private Limited	Request you to amend the specification as "Facility for exposures with infrared remote/detachable exposure switch should be possible. Detachable exposure release switch should be supplied.	para 6. Other Features: Point No. c: Facility for exposures with remote/wireless exposure switch should be possible. Wireless exposure release switch should be supplied.

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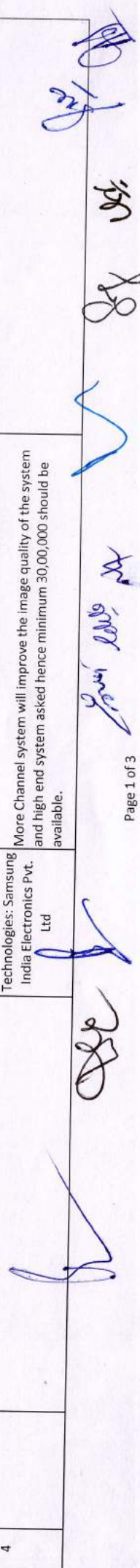






DISPOSAL REPORT OF PRE-BID CONCERNS / QUERIES - TECHNICAL : ULTRASOUND MACHINE - HIGH END ; NIB REF No. HITES.PCD/NCI-AIIMS/10/17-18

SI no.	Para No. of the specifications	Tender Specifications	Name of Vendor	Technical concerns of vendor	TSEC Recommendation
		A State-of-the-Art high end Medical Ultrasound unit to be supplied. Quoted unit should be capable of performing all Abdominal and Pelvic Imaging in Adults and Paediatric age group, Imaging of Small Parts, endocavitary and musculoskeletal Imaging. Systems should have the capability of Shear Wave Ultrasound Elastography and Contrast Imaging facility.			A State-of-the-Art , high end , USFDA CERTIFIED Medical Ultrasound unit to be supplied. Quoted unit should be capable of performing all Abdominal and Pelvic imaging in Adults and Paediatric age group, Imaging of Small Parts, endocavitary and musculoskeletal Imaging. Systems should have the capability of Shear Wave Ultrasound Elastography and Contrast imaging facility.
	A. 1	The system should incorporate facility for High Resolution B mode, M Mode, PW, CW, Colour Doppler, Power Doppler, Anglo, Duplex and Triplex imaging modes.			para A. point 1.: The system should incorporate facility for High Resolution B mode, M Mode, PW, Colour Doppler, Power Doppler, Anglo, Duplex and Triplex imaging modes.
1	A. 2		Philips India Ltd	Kindly change to Shear Wave Ultrasound Elastography imaging should be provided to evaluate Relative tissue stiffness on Convex Transducer.	
1	A. 2		Convergent Technologies: Samsung India Electronics Pvt. Ltd	Shear Wave Ultrasound Elastography imaging should be provided to evaluate Relative Tissue Stiffness for breast, liver, and other small part applications on convex, linear and endocavitary transducers. Since its pertaining to One/Two particular Manufacturer hence the same should be changed so that a fair chance is given to participate.	
1	A. 2	Shear Wave Ultrasound Elastography imaging should be provided to evaluate Relative Tissue Stiffness for breast, liver, prostate and other small part applications on convex, linear and endocavitary transducers.	GE HEALTHCARE	Shear Wave Ultrasound Elastography Imaging should be provided to evaluate Relative Tissue Stiffness for breast, liver, prostate and other small part applications on convex, linear and endocavitary transducers. We humbly request to delete endocavitary transducers, as we don't have the Shear Wave in Endocavitary probe	para A. point 2.: Shear Wave Ultrasound Elastography Imaging should be provided to evaluate Relative Tissue Stiffness for breast, liver, prostate and other small part applications on atleast one convex and one linear transducers, as asked.
2	A. 2		SIEMENS	Shear Wave Ultrasound Elastography Imaging should be provided to evaluate Relative Tissue Stiffness for breast, liver, prostate and other small part applications on atleast one convex and one linear transducers as asked.	
2	A.7	Dynamic range should be 180 dB or more	Philips India Ltd	Dynamic range should be 270 dB or more	para A. point 7 : Dynamic range should be 200 dB or more
3			Philips India Ltd	There should be at least 5,00,000 digital processing channels.	
			SIEMENS	There should be at least 100,000 digital processing channels or 192 hardware processing channels	
2			GE HEALTHCARE	There should be at least 450,000 digital processing channels. As asked the same number of channel in Mid Range Ultrasound.	
4	A.8	There should be at least 100,000 digital processing channels	Convergent Technologies: Samsung India Electronics Pvt. Ltd	There should be at least 30,00,000 digital processing channels. More Channel system will improve the image quality of the system and high end system asked hence minimum 30,00,000 should be available.	No change considered



DISPOSAL REPORT OF PRE-BID CONCERNS / QUERIES - TECHNICAL : ULTRASOUND MACHINE - HIGH END ; NIB REF No. HITES.PCD/NCI-AIIMS/10/17-18


Sl. No.	Para No. of the specifications	Tender Specifications	Name of Vendor	Technical concerns of vendor	TSEC Recommendation
4	A.9	The system should have a Frame Rate 1000 Frames per second or more.	Philips India Ltd Convergent Technologies: Samsung India Electronics Pvt. Ltd	The system should have a Frame rate 1500 Frames per second or more.	
5	A.9	The system should have a Frame Rate 1500 Frames per second or more.	GE HEALTHCARE	The system should have a Frame Rate 1500 Frames per second or more. It will improve the image quality of the system.	para A. point 9 : The system should have a Frame rate 1500 Frames per second or more.
6	A.16	The system should have multiple transducer ports (minimum three) with facility for switch over from one to another with single keystroke.	Philips India Ltd Convergent Technologies: Samsung India Electronics Pvt. Ltd	The system should have a Frame Rate 2000 Frames per second or more. Request to increase 2000 or More as they asked the same number of channel in Mid Range Ultrasound. The system should have Four transducer ports with facility for switch over from one to another with single deystroke. The system should have multiple transducer ports (minimum Four) with facility for switch over from one to another with single keystroke.	No change considered
7	A.23 (a)	a. Convex Array Transducer 2-5 MHz or higher range and should be compatible for contrast enhanced imaging	Philips India Ltd Convergent Technologies: Samsung India Electronics Pvt. Ltd	Since in probe requirement more than four probes asked. Kindly change to broadband curved array transducer 1-5 MHz with PureWave or Single Crystal technology, should be compatible for Contrast enhanced imaging. Convex Array Transducer 1-6 Mhz. (+/- 2 Mhz.) and should be compatible for contrast enhanced imaging and of latest technology Single Crystal/ Purewave.	para A. point 23 (a) : Convex Array Transducer 2-5 MHz (± 1 MHz) or higher range and should be compatible for contrast enhanced imaging
8	A.23(b)	Linear Transducer 7-15 MHz or higher range	Philips India Ltd	It will be helpful for higher frame rate and deep penetration during scanning of patients Kindly change to High resolution intraoperative vascular, epiaortic, Linear Transducer 7-15 MHz.	No change considered
9	A.23 c	Linear transducer of 5-10 MHz or higher range and should be compatible for contrast enhanced imaging. if not compatible for CE imaging, then separate linear probe should be quoted	Philips India Ltd Convergent Technologies: Samsung India Electronics Pvt. Ltd	Kindly change to Linear transducer of 5-10 MHz or higher range and should be compatible for contrast enhanced imaging. if not compatible for CE imaging, then separate linear probe should be quoted Linear transducer of 3-12 Mhz. (+/- 2 Mhz.) and should be compatible for contrast enhanced imaging. if not compatible for CE imaging, then separate linear probe should be quoted. Since its pertaining to One/Two particular Manufacturer hence the same should be changed so that a fair chance is given to participate.	para A. point 23 (c) : Linear transducer of 5-10 MHz (± 2 MHz) or higher range and should be compatible for contrast enhanced imaging. if not compatible for CE imaging, then separate linear probe should be quoted
10	A.23 (d)	Small foot print transducer with reusable biopsy guide. Small foot print sector transducer with reusable biopsy guide.	Philips India Ltd Canon Medical Systems Corporation, Japan.	Kindly change to Small foot print transducer 3-12 MHz with reusable biopsy guide. Please note that reusable Biopsy Guide is not available with Sector Transducer. Hence we request you to kindly amend the same as "Small foot print Sector 2 to 5 MHz OR Micro convex transducer" with Band width 4 to 10 MHz with reusable biopsy guide.	para A. point 23 (d) : Small foot print micro-convex (footprint max. 18mm) transducer with reusable biopsy guide

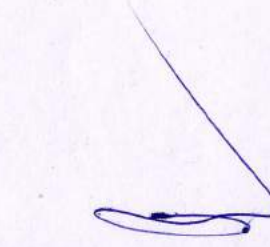
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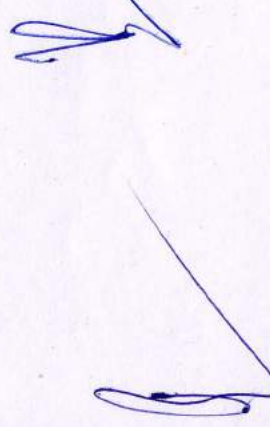
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DISPOSAL REPORT OF PRE-BID CONCERNS / QUERIES - TECHNICAL : ULTRASOUND MACHINE - MID RANGE ; NIB REF No. HITES.PCD/NCI-AIIMS/10/17-18					
Sl No.	Para No. of the specifications	Tender Specifications	Name of Vendor	Technical concerns of vendor	TSEC Recommendation
1	8	There should be at least 100,000 digital processing channels	Philips India Ltd	There should be at least 65,000 digital processing channels	No change considered
2	6 (c)	Small footprint sector transducer 2-5 MHz with reusable biopsy guide.	Philips India Ltd	Small foot print sector transducer 1-4 MHz for Cardiac Application.	No change considered
1	Point no 16 (c)	Small foot print sector transducer 2-5 MHz with reusable biopsy guide.	ERBS: Canon Medical Systems Corporation, Japan.	Please note that reusable Biopsy Guide is not available with Sector Transducer. Hence we request you to kindly amend the same as "Small foot print Sector 2 to 5 MHz OR Micro convex transducer with Band width 4 to 10 MHz with reusable biopsy guide.	Para A. point 16.d : Small footprint sector transducer 2-5 MHz (\pm 2 MHz) with reusable biopsy guide.
3	6 (d)	Endocavitary Probe with 5 to 9 MHz or higher range with reusable biopsy guide	Philips India Ltd	Endocavitary Probe with 5 to 9 MHz or higher range with 180° field of view with reusable biopsy guide	No change considered
4	2	The system should include at least 19" LCD monitor with 1280 x 1024 resolution arm with tilt, swivel and height adjustment facility. A separate touchscreen should also be available.	Convergent Technologies: Samsung India Electronics Pvt. Ltd	The system should include at least 20" or more LCD monitor with 1280 x 1024 resolution arm with tilt, swivel and height adjustment facility. A separate touchscreen of minimum 10 inch should also be available. Larger scan area will be useful for scanning of patients.	No change considered
5	7	The system should have imaging depth of 30 cm or more.	Convergent Technologies: Samsung India Electronics Pvt. Ltd	The system should have imaging depth of 38 cm or more. It will be helpful for scanning of Obese Patients.	No change considered
6	8	There should be at least 100,000 digital processing channels	Convergent Technologies: Samsung India Electronics Pvt. Ltd	There should be at least 500,000 digital processing channels More Channel system will improve the image quality of the system.	No change considered
		TO BE ADDED	SIEMENS	The system should be upgradable to contrast imaging in the future. To ensure good quality of equipment, contrast should be available for future upgradations.	No change considered




























DISPOSAL REPORT OF PRE-BID CONCERNS / QUERIES - TECHNICAL : ULTRASOUND MACHINE - PORTABLE ; NIB REF NO. HITES.PCD/NCI-AIIMS/10/17-18

SI no.	Para No. of the specifications	Tender Specifications	Name of Vendor	Technical concerns of vendor	TSEC Recommendation
1	2	Display screen should be of at least 10 inches in size with high resolution color LCD/TFT.	Philips India Ltd	Display screen should be of at least 11 inches in size with high resolution color LCD/TFT.	No change considered
2	4	The system should have imaging depth 20 cm or more	Philips India Ltd	The system should have imaging depth 28 cm or more	No change considered
3	5	The system should have dynamic range 150 dB or more	Philips India Ltd	The system should have dynamic range 250 dB or more	No change considered
4	15	The system should have an easy to use backlit keyboard and control panel with facility to disinfect the control panel and keyboard using liquid disinfectant solutions so as to avoid infections in wards and ICUs	Philips India Ltd	The system should have an easy to use backlit/Touch keyboard and control panel with facility to disinfect the control panel and keyboard using liquid disinfectant solutions so as to avoid infections in wards and ICUs	para A, point 15 : The system should have an easy to use backlit/Touch keyboard and control panel with facility to disinfect the control panel and keyboard using liquid disinfectant solutions so as to avoid infections in wards and ICUs. Provide the list of liquid disinfectants that can be used on keyboard and transducers.
5	17 (i)	Convex Array Transducer with frequency range of 3-5 MHz or wider range.	Philips India Ltd	Convex Array Transducer with frequency range of 2-5 MHz or wider range.	No change considered
6	17 (ii)	Linear Array Transducer with frequency range of 6-13 MHz or wider range	Philips India Ltd	Linear Array Transducer with frequency range of 4-12 MHz or wider range	No change considered
8	26 (b)	When the machine is mounted on trolley, facility for connecting three transducers in standby mode with easy selection of active transducer should be possible.	Philips India Ltd	Low-footprint cart to saves space, should be easy to move, and is height-adjustable with tilt-and-swivel capability for easy viewing	No change considered
1	2	Display screen should be of at least 10 inches in size with high resolution color LCD/TFT.	Convergent Technologies: Samsung India Electronics Pvt. Ltd	Display screen should be of at least 15 inches in size with high resolution color LCD/TFT. Larger scan area will be useful for scanning of patients.	No change considered
1			GE HEALTHCARE	Display screen should be of at least 15 inches in size with high resolution color LCD/TFT.	No change considered
2	4	The system should have imaging depth 20 cm or more.	Convergent Technologies: Samsung India Electronics Pvt. Ltd	The system should have imaging depth 30 cm or more. It will be helpful for scanning of Obese Patients.	No change considered
2			GE HEALTHCARE	The system should have imaging depth 30 cm or more.	No change considered
3	POINT 5	The system should have dynamic range 150 dB or more.	Convergent Technologies: Samsung India Electronics Pvt. Ltd	It will improve the image quality.	No change considered
4	17 (i)	Convex Array Transducer with frequency range of 3-5 MHz or wider range.	SIEMENS	The system should have dynamic range 200 dB or more	No change considered
4	17 (ii)	Convex Array Transducer with frequency range of 3-5 MHz or wider range.	Convergent Technologies: Samsung India Electronics Pvt. Ltd	Convex Array Transducer with frequency range of 3-5 MHz (+/- 1 Mhz.) Since its pertaining to One/Two particular Manufacturer hence the same should be changed so that a fair chance is given to participate	para A point 17 (i) Convex Array Transducer with frequency range of 3-5 MHz (+/- 1 Mhz.) or wider range
5	17 (iii)	Linear Array Transducer with frequency range of 6-13 MHz or wider range.	Convergent Technologies: Samsung India Electronics Pvt. Ltd	Linear Array Transducer with frequency range of 6-13 MHz or wider range (+/- 1 Mhz.) Since its pertaining to One/Two particular Manufacturer hence the same should be changed so that a fair chance is given to participate	para A point 17 (ii) Linear Array Transducer with frequency range of 6-13 MHz (+/- 1 Mhz.) or wider range.
7	17 (iii)	CW 2.5 MHz probe with basic cardiology package	Philips India Ltd	CW probe with frequency range of 2-4 MHz with basic cardiology package	para A point 17 (iii) CW probe with frequency range of 2-4 MHz with basic cardiology package
6	Point 18	Unit weight should not exceed 5 Kg (with battery but without trolley).	Convergent Technologies: Samsung India Electronics Pvt. Ltd	Unit weight should not exceed 6 Kg (with battery but without trolley).	No change considered
			SIEMENS	Unit weight should not exceed 8 Kg (with battery but without trolley).	No change considered
			SIEMENS	Unit weight should not exceed 5 Kg (with battery but without trolley).	No change considered
3	21	The unit and transducers should be sturdy enough to withstand accidental hit or fall in normal working conditions and hand held transportation. A separate certificate in this from principles is required.	GE HEALTHCARE	We humbly request to remove/delete this point.	para A point 21 DELETED



 Dr. S. Thanu
 (for M. V. Kumar)



 M. V. Kumar
 (for M. V. Kumar)

Page 1 of 1

The existing specification of Item Radio Ablation System is to be replaced with the Specification given below.

Radio-Frequency Ablation System

- A. System should include US FDA approved Radio Frequency ablation with following required specifications and accessories.
- B. The quoted model should be certified by Government of India for import into the country (FORM 10 - License to Import, issued by Central Drug Standard Control Organisation (CDSCO), DGHS, MoHFW, Medical Device and Diagnostic Division).
- C. The bidder/manufacturer should be registered with Government of India for import of the quoted model (FORM 41 -Registration Certificate for import of devices into India, issued by Central Drug Standard Control Organisation (CDSCO), DGHS, MoHFW, Medical Device and Diagnostic Division).

1. System should include a Radio Frequency generator for tumour ablation systems with required Accessories.

- 1.1. The system should be usable for ablation in liver, lung, bone, kidney etc.
- 1.2. The system should be capable of generating power of at least 200 W.
- 1.3. The system (if temperature -based) should be capable of generating temperature of at least 95 deg C.
- 1.4. The system should be able to support electrode of variable lengths (i.e., 10 cm, 15 cm, and 20 cm).
- 1.5. The ablation size (ex-vivo) should be at least 3 cm.
- 1.6. The system should have needle track ablation facility.
- 1.7. The system should be compatible to use with Ultrasound, CT and open surgery.
- 1.8. The system should have facility for real-time temperature or impedance monitoring.
- 1.9. Probe cooling system should be provided, if required.
- 1.10. If pump is required for the proper functioning of the RFA system, it should be provided with all necessary accessories like coolant reservoir, tubing etc, at no extra cost.
- 1.11. There should be display of target temperature or impedance, power setting, timer, delivered power, time that RF is delivered, efficiency for all devices.
- 1.12. The system should be supplied with total quantity of 20 electrodes sets in staggered manner. (electrode set means Probe with all essential consumables) of following sizes.
 - 1.12.1. Electrode set of 2cm active-electrode length - 10 no.s
 - 1.12.2. Electrode set of 3cm active-electrode length - 10 no.s

1.13. System should have self - Test facility.

2. Safety Features

- 2.1. System should have Probe Test system with ability able to check integrity of probe intra-operatively.
- 2.2. System should have safety mechanism to limit excessive high temperature/power delivery.
- 2.3. The system should have ability to display all alert conditions and error messages.

3. Trolley (OEM) for mounting of RF unit to be provided.

4. Warranty/After Sale Service

- 4.1. Five-year comprehensive onsite warranty of entire system (Spares and labour) including all accessories and items supplied along with maintenance. If vendor is not a direct subsidiary of OEM (principles), then such warranty must be vetted by OEM.
- 4.2. This will be followed by 5 years comprehensive AMC covering everything as warranty.
- 4.3. A free software upgrade guarantee (compatible with the supplied platform) from OEM for 10 years.
- 4.4. 95% uptime guarantee should be given (365 days on 24x7 basis). In case down time exceeds 5%, penalty in the form of extended warrantee, double the number of days for which the equipment goes out of service, will be applied.
- 4.5. Supplier must ensure the availability of 'expertise service' and maintenance in New Delhi. Spare parts and repair for the next 10 years must be ensured by OEM.
- 4.6. Future modifications in probes/ technology should be made compatible with the offered system.

Response To Pre-Bid Queries (Pre-Bid date: 07.02.2017) - Commercial
NIB Ref: HITES/PCD/NCI-AIIMS/10/17-18 Dated: 25.01.2018

Items: 3.0 Tesla MR Scanner, 256 Slice Dual Energy CT, Digital Subtraction Angiography, Full Field Digital Mammography Unit, Digital Mobile X-Ray Unit and Ultrasound Machine- High End

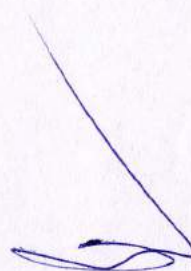





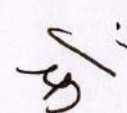


Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	QUERIES/CLARIFICATIONS ASKED BY THE FIRMS	RESPONSES TO FIRMS BY TSEC
1		To be added	M/s Philips India Pvt. Ltd.	Letter of credit should be opened only after Site readiness and availability of power confirmation	No change considered
2	Point no 11.1 (A)-XVIII Page No 11	A self-declaration on Rs. 10/- non-judicial Stamp Paper that the rates quoted in the tender are the lowest and not quoted less than this to any Government Institution (State/Central/other Institute in India).	M/s Siemens Healthcare Pvt. Ltd.	Amendment Requested: A self-declaration on Rs. 10/- non-judicial Stamp Paper that the rates quoted of identical description (i.e. same nature, class, specifications prevailing exchange rate, warranty, quantity and other commercial terms & conditions in the tender are the lowest and not quoted less than this to any Government Institution (State/Central/other Institute in India). Justification: Price Fall Clause Not limited to a time period and (c) Not limited to identical description of supplies/services.	It is clarified that such comparisons would be made on equitable basis.
3	GCC: Clause no 11.1-ii	In case of supply of the imported goods on CIP Named port of Destination Basis, the additional extended insurance (local transportation and storage) would be borne by the Supplier from the port of entry to the consignee site for a period including 3 months beyond date of delivery for an amount equal to 110% of the overall expenditure to be incurred by the purchaser from ware house to ware house (consignee site) on all risk basis	M/s Siemens Healthcare Pvt. Ltd.	Amendment Requested: In case of supply of the imported goods on CIP Named port of Destination Basis, the additional extended insurance (local transportation and storage) would be borne by the Supplier/Indian Subsidiary/ local company/agency from the port of entry to the consignee site for a period including 3 months beyond beyond date of delivery for an amount equal to 110% of the overall expenditure to be incurred by the purchaser from ware house to ware house (consignee site) on all risk basis. Justification: Foreign vendor will cover the insurance upto airport and the local subsidiary/agency will cover the local insurance from port to site + 3 months for installation	It is clarified that supplier or its authorised representative in India would carry out such services.

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Response To Pre-Bid Queries (Pre-Bid date: 07.02.2017) - Commercial
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Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	QUERIES/CLARIFICATIONS ASKED BY THE FIRMS	RESPONSES TO FIRMS BY TSEC
4	GCC Clause: 12.1.b.ii	Immediately following such discontinuation, providing the Purchaser / Consignee free of cost, the designs, drawings, layouts and specifications of the spare parts, as and if requested by the Purchaser / Consignee	M/s Siemens Healthcare Pvt. Ltd.	<p>Amendment Requested: We request to replace this clause with requirement for the supplier to provide an undertaking to provide spare parts for specific period of time (e.g. 10 years)</p> <p>Justification: Designs, drawings or layouts etc. of spare parts are the "Intellectual Property Rights" of the Siemens Healthcare GmbH are not under sale along with the concerned equipments under the equipment supply contract. We confirm the availability of spare parts for a period of 10 years from the date of installation and provision of comprehensive warranty and services during the said period. Therefore, this would obviate the need for submission of any designs, drawings, or layouts etc. of the spare parts as required under clause 12.1(b) of GCC. We bring to your kind attention that HLL has agreed to such amendment. Please find enclosed a copy of the amendment for your kind reference.</p>	No change considered. However, it is clarified that the said clause is applicable in case the model is discontinued anytime within 10 years after installation.

Response To Pre-Bid Queries (Pre-Bid date: 07.02.2017) - Commercial
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Sl. No	Tender Page & Para	TENDER SPECIFICATION	NAME OF THE FIRM	QUERIES/CLARIFICATIONS ASKED BY THE FIRMS	RESPONSES TO FIRMS BY TSEC
5	GCC: Warranty: Clause 15.12	The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status vis-à-vis its other Clients/Purchasers of its equipments/machines/goods etc. and shall always give the most competitive price for its machines/equipments supplied to the Purchaser/Consignee	M/s Siemens Healthcare Pvt. Ltd.	<p>Amendment Requested: The Supplier along with its Indian Agent and the CMC Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/ Purchasers in India of its equipments/ machines/ goods etc. and shall always give the most competitive price for its machines/ equipments of identical description (i.e. same nature, class, specifications prevailing exchange rate, warranty, quantity and other commercial terms & conditions) supplied to the Purchaser/Consignee. This undertaking shall be valid until installation of the equipment or 12 months from delivery of the equipment, whichever is earlier.</p> <p>Justification: Price Fall Clause (a) Not limited to India, (b) Not limited to a time period and (c) Not limited to identical description of supplies/services. We also shared that Siemens values its commitments the most, therefore, is reluctant to commit to any open ended Price Fall clause like above which Siemens may not be able to fulfill. We kindly inform that prices are determined by market and by you by choosing the lowest 1. Further, the terms like "most favored customer" and "most competitive price" are not defined. Siemens doing business in more than 100 countries, therefore, it is not possible for Siemens to fulfill the obligations under this clause</p>	It is clarified that such comparisons would be made on equitable basis.

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