NO CHANGE CONSIDERED	Request you to <b>delete this point</b> as we could not provide this solution.	Siemens	alongwith Olinda Software.	9. xx	
AMENDED AS: Latest collimator-detector response – Resolution recovery algorithm software (EVOLUTION OR IQ SPECT with necessary hardware if required) that enables half dose and half acquisition time in SPECT including cardiac SPECT, BONE SPECT and planar images should be offered as a standard feature.	rithm and and with		xxii. Any latest special software or hardw quality and to complete the study in mini standard features. Provide specific details	Page 48, 9 xxiii	6
NO CHANGE CONSIDERED	ed licensed cardiac software edars for gated cardiac SPECT	Siemens	xvi. Dedicated licensed cardiac software Emory Cardiac Toolbox for gated cardiac SPECT quantification.If EMORY CARDIAC TOOLBOX is not available, then equivalent dedicated licensed cardiac software should be offered.	48,9xvi	u
AMENDED AS: Condensed dynamic image programme for Gastric transit studies	Condensed dynamic image programme for esophageal transit studies. Remove <and emptying="" gastric="" software="">  Justification : Dynamic condensed processing available. Dedicated programme for Gastric transit studies software for gastric emptying not available.</and>	GE	Page 48. 9x Clinical Applications Software Condensed dynamic image programme for esophageal transit studies 2nd gastric emptying software.	Page 48. 9x	4
AMENDED AS: Complete Renal processing software including Transplant Evaluation, Diuretic Renography, Package for GFR, ERPF, Renal Extraction Fraction or Renal Processing protocol, Deconvolution analysis.	Request you to amend as "Complete Renal processing software including Transplant Evaluation, Diuretic Renography, Package for GFR, ERPF, Renal Processing protocol, Deconvolution analysis.	Siemens	vi. Complete Renal processing software including Transplant Evaluation, Diuretic Renography, Package for GFR, ERPF, Renal Extraction Fraction, Deconvolution analysis.	Page 48,9vi	ω
AMENDED AS: One additional processing work station to be supplied with all the standard and third party software and licenses as in the primary post processing workstation, and it should be connected with online server.	Request you to specify the detailed specifications of auxiliary processing workstation and third party software required.	Siemens	Page 47.8.Viii One addition processing work station with all the standard and third party software should also be supplied and connected with the online server.	Page 47 .8.Vi	2
AMENDED AS: Processing Workstation: Minimum of 4 GB RAM, 2.5 GHz or more processor speed and minimum 600 GB SCSI hard drive logically divided in to 3-4 partitions	Request you to amend as " Minimum of <b>16 GB RAM</b> , <b>2.5 GHz</b> or more processor speed and minimum 600 GBhard drive logically divided in to 3-4 partitions."	Siemens	8.ii Processing Workstation Minimum of 4 GB RAM , 2.8 GHz or more processor speed and minimum 600 GB SCSI hard drive logically divided in to 3-4 partitions	Page 47 .8.ii	ь
Recommendations/ replies by the Committee	Queries/clarifications asked by Bidders	Bidder	Specification/Clauses in the Bidding Document	Ref. to the Bidding Document	No.
	Schedule No. 01 -16-Slice SPECT/ CT Scanner (RFX No. 3000002856)	16-Slice	Schedule No. 01 -:		
	Prebid queries/clarifications asked by bidders and its recommendations/replies (ref: prebid meeting dated: 24/05/2018)	dders and	Prebid queries/clarifications asked by bi		T

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	GE	Schedule No. 01 -16-Slic	NIB Ref: HITES/P	Prebid queries/clarifications asked by bidders ar
Quantitative volumetric analysis for SUV calculation: Automated organ	SPECT SUV must be offered as standard.	Schedule No. 01 -16-Slice SPECT/ CT Scanner (RFX No. 3000002856)	NIB Ref: HITES/PCD/NCI-AIIMS/17/18-19 Dated: 16.05.2018	Prebid queries/clarifications asked by bidders and its recommendations/replies (ref: prebid meeting dated: 24/05/2018)

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11 F	10	9	00	
Page 50 12. xii	Page 50, 12 xi	Page 50, 12. v	h-,	
Accessories and QC Utility One single syringe infusion pump (Schiller/ASCOR/AITECS)	One vital sign monitor (standard make).	v. Fillable flood phantom for rectangular field of the size adequate for the gamma camera to be supplied.	suggested by bidder	Schedule No. 01 -1
GE	Siemens	Siemens	ଜୁ	6-Slice
One single syringe infusion pump (Schiller/ASCOR/AITECS/B-Braun/Fresenius or similar) Justification :- Schiller is discontinued.	Request you to specify the number of parameters required for vital sign monitor like 3 parameter, 5 parameter	Request you to delete this point as flood source for rectangular field of the size adequate for the gamma camera is already asked under."  12. Accessories and QC Utility sub point iii. Co-57 flood source of at least 15mCi strength for rectangular field of the size adequate for the camera."(Page No.49)	SPECT SUV must be offered as standard.  Quantitative volumetric analysis for SUV calculation: Automated organ definition & segmentation on SPECT & CT combined images i.e., CT ROI should be transferable to SPECT and vice versa and ROI analysis should be possible. The Quantification (SPECT SUV) should be based on patient demographics tracer information.  SPECT-SUV is available from all vendors on their latest platform. This will ensure all vendors quote their latest system.  Justification: SPECT-SUV is available from all vendors on their latest platform. This will ensure all vendors quote their latest system.	Schedule No. 01 -16-Slice SPECT/ CT Scanner (RFX No. 3000002856)
AMENDED AS: One single syringe infusion pump (Schiller/ASCOR/AITECS/B-Braun / Fresenius )	AMENDED AS: one No.: vital sign multiparameter patient vital signs monitor, 15 inch monitor (standard make): 5 parameters - ECG, SP02, NIBP, Respiration, Temperature.  with ECG/Resp: 5 Lead ECG Cable with clip- 2 sets.  NIBP: Adult cuff & Paediatric cuff- 2nos each. Reusable SPO2: Adult SPO2 sensor with cable-two nos.  Pediatric SPO2 sensors - two nos. skin temperature probe- one no.	Fillable flood phantom for rectangular field of the size adequate for the gamma camera to be supplied.: DELETED	added para: SPECT SUV must be offered as standard. Quantitative volumetric analysis for SUV calculation: Automated organ definition & segmentation on SPECT & CT combined images.	

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NO CHANGE CONSIDERED			month at the convenience of the Institute		
	Request you to amend as " Vendor shall provide preventive maintenance	Siemens	19. Vendor shall provide preventive maintenance of the equipment every	Page 51,19	16
NO CHANGE CONSIDERED	Siemens Request you to delete this point as we could not provide this solution.	Siemens	Olinda dosimeter software to be provided.	Page 50, 14	15
DELETED	Siemens Request you to specify the size of laminar flow unit.	Siemens	xxxviii. One laminar Flow Unit (vertical) with HEPA filter for Microbiological use.	Page 50, 12xxxviii	14
AMENDED AS: One side by side domestic refrigerator of minimum 550 litre capacity for storing radiopharmaceutical kits.	Request you to specify the litres and specifications of refrigerator.	Siemens	xv. One side by side refrigerator for storing radiopharmaceutical kits.	Page 50, 12 xv	E
Mumbai.					
radiation safety standards laid by AERB,					
Exhaust to be laid to suitable height as per				3	
PVC ducting.					
Filter: Charcoal filters.					
thick non glossy stainless steel sheet.					
Epoxy paint and work surface covered with					
Inner chamber finished in chemical -resistant					
constructed of stainless steel (Type 304).					
Materials: The fume hood should be					
2620 mm (H)					
Size approx. 1200mm (W) x 820mm (D) x					
with drainage basin.					
double wall socket 220V, and water fitting					
Should be sliding window type with built-in					
exhaust for Microbiological use.					
Flow Unit (vertical) and HEPA filter, 100%					
for installation in the hot lab with laminar					
AMENDED AS: One Radiation Fume Hoods				AIX.21	
	Siemens Request you to specify the size of fume hood.	Siemens	xiv. One fume hood for installation in the hot lab with PVC ducting	•	12
	Schedule No. 01 -16-Slice SPECT/ CT Scanner (RFX No. 3000002856)	16-Slice	Schedule No. 01 -		
	NIB Ref: HITES/PCD/NCI-AIIMS/17/18-19 Dated: 16.05.2018	HITES/PC	NIB Ref:		
	replia queries/ciarifications asked by bidders and its recommendations/replies (ref. prebid meeting dated: 24/05/2018)	dders and	Prepid queries/ciarifications asked by b		
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NIR Ref: HITES/PC	eries/clarifications asked by bidders and
D/NCI-AIIMS/17/18-19 Datad: 16 0	d its recommendations/replies (ref:
5 2018	prebid meeting dated: 24/05/2018)

	. 6	5	4	U		ь	No.	
56,4.c	Page 55, 3.h			3. a			Ref to the Bidding	
Performance Specifications:     C) System efficiency I sensitivity must exceed 5 cps/KBq at 350 KeV.				a) Multi detector CT having minimum 64 rows of detectors acquiring 128 slices per rotation.		a) A latest technology whole body Positron Emission Tomography system with 128 slices acquisition per rotation, DICOM ready and isotropic volume generation/production spiral CT scanner designed for providing volume measurements of metabolic and physiological processes using positron emitters, as well as for producing accurate structural and anatomical fusion images and making attenuation maps for CT based attenuation correction	Specification/Clauses in the Bidding Document	Sche
Philips		Siemens	Philips	Siemens	Philips	Philips	Bidder	edule No
System efficiency I sensitivity must >7.0 cps/KBq at 350 KeV.	or more, age between modes of scan.	Request you to amend as "Detector coverage should be at least 19 mm or Ahigher."	Kindly amend as below: Multidetector CT having minimum 64 rows of detectors generating/producing 128 slices per rotation.	Request you to amend as "Specify the detector rows."  Justification: Siemens has Straton tube with z-Sharp Technology for Acquisition of twice the number of slices –less artifacts, higher resolution using same number of detector rows  The unique STRATON X-ray tube utilizes an electron beam that creates two precise focal spots alternating 4,608 times per second. This doubles the X-ray projections at each detector element. The corresponding detector electronics enable a virtually simultaneous readout of two projections for each detector element, resulting in a full two-slice acquisition per detector row.  Straton tube with capacity 0 MHU (0.6 MHU capacity combined with 7.3 MHU/min (5,400 kJ/min) cooling rate is comparable to the performance of a conventional tube with approximately 50 MHU (37,000 kJ) anode heat storage capacity) and having z-sharp technology, Acquisition of twice the number of slices –less artifacts, higher resolution using same number of detector rows.	Please specify the details of simulation softwares and number of workstation loaded with simulation softwares	Kindly amend as below:  A latest technology whole body Positron Emission Tomography system with 128 slices generation/reconstruction per rotation, DICOM ready and isotropic volume acquisition spiral CT scanner designed for providing volume measurements of metabolic and physiological processes using positron emitters, as well as for producing accurate structural and anatomical fusion images and making attenuation maps for CT based attenuation correction.	Queries/clarifications asked by Bidders	Schedule No. 02 -128-Slice PET/ CT Scanner (RFX No. 3000002857)
NO CHANGE CONSIDERED	NO CHANGE CONSIDERED	AMENDED AS : DELETED		AMENDED AS : a) Multi - row detector CT capable of acquiring or generating 128 slices perrotation.	The system should have 4D PET-CT acquisition capability. Laser system (three lasers of green colour) to be provided. It should be connected with main TPS in the radiotherapy department through Ethernet wiring.	AMENDED AS:  A latest technology whole body Positron Emission Tomography system with 128 slices acquisition or generation per rotation, DICOM ready and isotropic volume generation / production spiral CT scanner designed for providing volume measurements of metabolic and physiological processes using positron emitters, as well as for producing accurate structural and anatomical fusion images and making attenuation maps for CT based attenuation correction.	Recommendations/ replies by the Committee	

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6) Workstations or Server-Client nodes (Data Acquisition, Processing & Management). 5 Workstations or One no. Server-with- 5 Client nodes
with 5 concurrent
Schedule No. 02 -128-Slice PET/ CT Scanner (RFX No. 3000002857)
prebid meeting dated: 24/05/2018)

No.

10

	i) List mode PET data reconstruction should not take more than 90 sec/bed.		
	workstations for PET and CT each.		
	h) The workstation should be accessible remotely by at-least 5 concurrent		
	studies.		
	quantification facility and image comparison software for the baseline and follow-up		
	g) Each Processing workstation should have concurrent licences of image fusion,		
i) List mode PET da	aspart of this order.		
provided with keyl	PACS available in the department. PET CT must be connected to the PACS System		
h) All 5 no.s client	networking of all possible equipment in the facility with their peripherals and		
for the baseline ar	f) Communications -Ethernet with TCP/IP protocols and DICOM and above i.e., latest		
g) Each Processing	applications.		
peripherals and F	e) Reconstruction filters -latest available filters with the company for PET	1	
f) Communication:	d) Intercom with user programmable patient		
e) Reconstruction	drive preferably with writer facility.		
d) Intercom with u	with minimum resolution of 1280 x 1024. It should also have CD and DVD combo		
with writer facility	board and high resolution flat panel dual view LCD monitor of minimum 19" size		
speed, minimum 1	minimum 1GB graphic card, 300 GB storage capacity or more, Optical Mouse, Key-		
c) The Workstation	operating system having minimum of 8 GB RAM, 2.5 GHz processor speed,		
b) Workstations or	c) The processing workstation should be high performance CPU with multi-tasking		
as standard featur	b) It should have both, serial and USB ports.		
It should be indep	shipment.		
NO.S of independe	asstandard features. The workstation should be of latest specifications at the time of NO.S of independent		
a) A Client Server	and Time-of-flight reconstruction and any other reconstruction algorithms		
6) Workstations o	a) One Acquisition station independent of main processing unit having HD, OSEM	para 6	

dent post processing Workstation. Architecture based solution comprising of One no. Server with 5 no.s client nodes OR a workstation based solution comprising of 5

ures. The Workstations or the Server and Client nodes should be of latest specifications at the time of shipment. pendent of main acquisition unit and should have HD, OSEM and Time-of-flight reconstruction and any other reconstruction algorithms

or Server and Client nodes should have both, serial and USB ports.

1GB graphic card, 300 GB storage capacity or more, Optical Mouse, Key-board It should also have CD and DVD combo drive preferably ons or Server should be high performance CPU with multi-tasking operating system having minimum of 4 GB RAM, 2.5 GHz processor

user programmable patient ·

n filters -latest available filters with the company for PET-CT applications.

ins -Ethernet with TCP/IP protocols and DICOM and above i.e., latest networking of all possible equipment in the facility with their PACS available in the department. PET-CT must be connected to the PACS System as part of this order.

g workstation or each client node should have concurrent licences of image fusion, quantification facility and image comparison software

yboard , mouse and Medical grade flat panel monitor of minimum 19" size and minimum resolution of 2 Megapixel t nodes or the 5no.s workstations should be concurrently capable of all post processing functions of PET & CT images. They should be lata reconstruction should not take more than 90 sec/bed.

term PET CT to be read as PET-CT throughout the tender document.

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_	Ref to the Ridding	Specific	NIB Ref: H	Prebid quieries/clarifications asked by bidders and its recommendations/replies (ref: prebid meeting dated: 24/05/2018)  NIB Ref: HITES/PCD/NCI-AIIMS/17/18-19 Dated: 16.05.2018  Schedule No. 01 & 02 -16-Slice SPECT/ CT Scanner (RFX No. 3000002856) & 128-Slice PET/ CT Scanner (RFX No. 3000002857)
No.	Ref. to the Bidding Document	Specification/Clauses in the Bidding Document	Bidder	Queries/clarifications asked by Bidders Recommendations/ replies by the Committee
ı			Philips India Ltd	To be added:  Letter of credit should be opened only after Site readyness and availibility of power confirmation
2	Point no 11.1 (A)- XV 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).	Siemens Healthcare Private Limited	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 tenderare the lowest and not quoted less than this to any Government Institution (State/Central/other Institute in India).  Explanation:  Price Fall Clause Not limited to a time period and (c) Not limited to identical description of supplies/services.
. ω	GCC: Insurance: Point no 11.1-ii Page no-32	in case of supply of the imported goods on CIP Named port of Destination Basis, theadditional 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 beyonddate 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	Siemens Healthcare Private Limited	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
4	GCC Clause: Spare Parts 12.1.b.ii Page No - 32	discontinuation, providing the Purchaser / 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	Siemens Healthcare Private Limited	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) <b>Justification:</b> 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.

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NIB RET: HITES/PCD/INCI-AIIIVIS/11/18-19 Dated: 16.05.2018 Schedule No. 01 & 02 -16-Slice SPECT/ CT Scanner (RFX No. 3000002856) & 128-Slice PET/ CT
Schedule No. 01 & 02 -16-Slice SPECT/ CT Scanner (RFX No. 3000002856) & 128-Slice PET/ CT Scanner (RFX No. 3000002857)
Schedule No. 01 & 02 -16-Slice SPECT/ CT GCC -Clause Fall clause is a price safety mechanism. No -33 The fall clause provides that if the contract holder reduces its price or sells or even offers to sell the contracted goods of identical specification and terms & conditions to that of the contract, at a price lower than the contract price, to any person or organization during the currency of the Contract, the Contract price will be automatically reduced with effect from that date for all the subsequent supplies under the Contract and the contract amended accordingly.  Part II: Required Supply, Installation and Commissioning to be completed within 120 days from the Schedule  Siemens Siemens Siemens Siemens
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Destination.

Point b

months

Page no: 43

beyond date of delivery.

Required Terms Storage) would be extended and borne by

Insurance (Local Transportation and

of Delivery and the Supplier from ware house to the

consignee site for a period including 3

Healthcare

beyond date of delivery.

the consignee site for a period including 3 months

Siemens

Insurance (Local Transportation and Storage) would be extended and borne by the Supplier/Indian subsidiary/Authorised agent/Bidder from ware house to

Private

Justification:

Limited

Kindly amend the clause as suggested.

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Schedule Delivery

Healthcare Private

readiness/site handing over from consignee.

Note: The following additional clause to be added:

modification work as per AERB guideline

LC will be opened after receipt of the written confirmation on site

Limited

Justification:

Request you to please link the LC opening with site handing over.

Siemens

the site layout approval from AERB to freeze the drawings and start the site

Page no: 42

Note

Part IV:

Part II: Required

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GCC: Warranty: Clause 15.12 on Pg 33		
GCC: Warranty: The Supplier along with its Clause 15.12 on ManufacturerIndian Agent and the CMC Pg 33 Provider shall always accord most favoured client status to the Purchaser vis-à-vis its other Clients/Purchasers of its equipment's/machines/goods etc. and shall always give the most competitive price for its machines/equipment's supplied to the Purchaser/Consignee	Schedule No. 01 & 02 -16.5	Prebid quieries/clarificati
Siemens Healthcare Private Limited	NIB Ket: F	ions asked by bi
ong with its  dian Agent and the CMC status to the status to the rers of its commercial terms achines/goods etc. and the most competitive chines/equipment's Purchaser/Consignee  Purchaser/Consignee  The Supplier along with its Indian Agent and the CMC Provider shall always accord most to the Purchaser vis-à-vis its other Clients/ Purchasers in India of its equipment's / machines/ goods etc. and shall always give the most competitive class, specifications prevailing exchange rate, warranty, quantity and other chines/equipment's undertaking shall be valid until installation of the equipment or 12 months from delivery of the equipment, whichever is earlier.  Price Fall Clause (a) Not limited to India, (b) Not limited to a time period and (c) modify the clause.	NIB Ref: HITES/PCD/NCI-AllMS/17/18-19 Dated: 16.05.2018	Prebid quieries/clarifications asked by bidders and its recommendations/replies (ref: prebid meeting dated: 24/05/2018)
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