

07.05.2022

Amendment No. 5

Sub: Amendment to the referred tender enquiry

Ref.: HITES/PCD/AIIMS-IV/50/Mix/ 22-23 dated 17-03-2022 read with its Amendment No 1, 2, 3 and 4 dated 18.04.2022, 30.04.2022 and 02.05.2022 respectively

The following changes are being incorporated in the above referred Tender Enquiry Document.

SECTION – VII
TECHNICAL SPECIFICATIONS

01 - Histopathology fully automatic H & E slide stainer (Tender ID : 2022_HLL_110121_1)		
Tender Page & Para	TENDER SPECIFICATION	AMENDED AS
Page 46, para 4	The equipment should have at least 26 reagent stations and 3 - 4 wash stations of 300 - 600ml capacity	The equipment should have at least 24 reagent stations and 3 - 4 wash stations of 300 - 600ml capacity
Para 15	Should be a standalone system or should be capable of being integrated with automated coverslips of same manufacturer.	Should be integrated with automated coverslipper of same manufacturer.
		Added Para : The equipment should be US FDA/ European CE/BIS approved

02 - Fully Automatic IHC Stainer (Tender ID : 2022_HLL_110121_2)		
Tender Page & Para	TENDER SPECIFICATION	AMENDED AS
Page 47, para 1	The system should be fully automated Immuno staining system for Immuno Histochemistry and In situ hybridization, preferably SISH/ FISH and FITC independently or simultaneously	The system should be fully automated Immuno staining system for Immuno Histochemistry and In situ hybridization, Should perform SISH / CISH independently or simultaneously
Page 47, para 6	Minimum antibody dispersion of 75 µl to maximum of 150 µl.	Minimum antibody dispersion of 25 µl to maximum of 150 µl .

Sch No.10 : PET CT (Tender ID: 2022_HLL_110121_10)		
Tender Page & Para	TENDER SPECIFICATION	AMENDED AS
page-55, Point no i	A latest technology Positron Emission Tomography system with integrated 128-slices spiral CT scanner, for commissioning by the vendor.	A latest technology Positron Emission Tomography system with integrated 128-slices spiral CT scanner having at least 64 rows of detectors , for commissioning by the vendor.
page-56, Point no 1 (i)	A latest technology whole body Positron Emission Tomography system with integrated spiral CT scanner having 128-slices capability, 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.	A latest technology whole body Positron Emission Tomography system with integrated spiral CT scanner having 128-slices and at least 64 rows of detectors capability, 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.
page-57, Point no 3 (i)	Multi detector CT having capability of 128 transverse cross-sectional slices simultaneously in one rotation.	Multi detector of at least 64 rows of detectors CT having capability of 128 transverse cross-sectional slices simultaneously in one rotation.
page-58, Point no 5 (iii)	Axial & Transverse spatial resolution at 1 cm & 10 cm from the central axis of the gantry should be ≤ 6 mm FWHM	Axial & Transverse spatial resolution at 1 cm & 10 cm from the central axis of the gantry should be \leq 6.3 mm FWHM

<p>page-59, Point no 7 (i)</p>	<p>Two high performance multi-tasking post processing independent workstations having minimum 16 GB RAM, 2.67 GHz processor speed , minimum 512 MB graphic card, minimum 1 TB storage, Optical Mouse, Key-board and high-resolution anti-glare flat panel dual view LCD monitor of ≥ 19” size with minimum resolution of 1280 x 1024. It should also have CD and DVD combo drive with writer facility. It should have both, serial and USB ports. The graphical user inter-face (GUI) should be identical to that of the acquisition unit. The computer workstation should be of latest specifications at the time of shipment.</p>	<p>Two nos. of high performance multi-tasking post processing independent workstations to be provided each having minimum 16 GB RAM, minimum 512 MB graphic card, minimum 1 TB storage, Optical Mouse, Key-board and Medical grade - anti-glare flat panel-2 MP monitors of atleast 19”size. It should also have CD/DVD combo drive with writer facility along with USB port for data transfer. The graphical user inter-face (GUI) should be identical to that of the acquisition unit. Both Workstations should have concurrent licenses for all the softwares.Both workstations should have multimodality viewing capability for smooth workflow in department .</p> <p>OR</p> <p>Latest technology Client_Server architecture two nos. of client- workstations to be provided. Server : minimum 96 GB RAM , and minimum 2TB storage and should be provided with single floating license for all softwares. Client : Optical Mouse, Key-board and Medical grade - anti-glare flat panel-2 MP monitors of atleast 19”size. It should also have CD/DVD combo drive with writer facility along with USB port for data transfer. The graphical user inter-face (GUI) should be identical to that of the acquisition unit. Both workstations should have multimodality viewing capability for smooth workflow in department .</p>
<p>7. viii</p>	<p>Cardiac PET viability review application software.</p>	<p>Cardiac PET viability review application software. Added Para : should have single floating license in case of client server based solution or should be available on both workstations in case of independent standalone workstations solution.</p>
<p>7. xiv</p>	<p>Advanced CT applications software for coronary imaging, vessel analysis coronary tree extraction, calcium scoring for coronary arteries, one touch volume rendering of the whole heart, CT coronary and PET/</p>	<p>Advanced CT applications software for coronary imaging, vessel analysis coronary tree extraction, calcium scoring for coronary arteries, one touch volume rendering of the whole heart, CT coronary and PET/ SPECT MPI cardiac fusion. Added Para : should have single floating license in case of client server based solution or should</p>

	SPECT MPI cardiac fusion.	be available on both workstations in case of independent standalone workstations solution.
page-60, Point no 7 xv	One 20 TB server (mini PACS) for data storage, archiving and retrieval. It should be connected through DICOM with the main console.	One 20 TB server for data storage, archiving and retrieval. It should be connected through DICOM with the main console.
page-60, Point no 8 i	A 3-phase input/output UPS (APC, Tata Liebert, Emerson, Eaton) with maintenance free batteries (Exide, Amron, Base, Yuasa) for the complete system including CT with minimum 30 min. backup at full load should be provided	A 3-phase input/output UPS (APC, Tata Liebert, Emerson, Eaton or equivalent) with maintenance free batteries (Exide, Amron, Base, Yuasa or equivalent) for the complete system including CT with minimum 30 min. backup at full load should be provided
page-60, Point no 8 iii	Rates for 400 sets of 200 ml disposable CT syringes with tubing and connector, per year during the warranty and CMC period should also be quoted.	Rates for 400 sets of 200 ml disposable CT syringes with tubing and connector, per year should also be quoted for atleast 2 years .
page-60, Point no 8 iv	ECG gating device & necessary electronics to enable gated cardiac acquisition with ECG print out facility.	ECG gating device & necessary electronics to enable gated cardiac acquisition with inbuilt or external ECG print out facility .
Page no. 62, Site modification, Point 1	Supplier shall ensure that the equipment model quoted is commissioned within the designated area without major structural changes to the building.	Supplier shall ensure that the equipment model quoted is commissioned within the designated area with the area constructed by the Hospital as per AERB approved layout plan. All minor Structural changes which are part of turnkey including any brick work or concrete work should be carried as per AERB approved drawing
Page no. 64, 3 Airconditioning works, Point a)	Duct-able package air conditioners and split air conditioners may be used according to room as well as equipment requirement and suitability. Humidity control should be effective to eliminate moisture condensation on equipment surface. Air conditioning capacity may be increased as per requirement with explanation however it may not be decreased	Ductable package / Ductable split air conditioners and split AC units may be used according to room as well as equipment requirement and suitability. Humidity control should be effective to eliminate moisture condensation on equipment surface. Air conditioning capacity may be increased as per requirement with explanation however it may not be decreased

		<p>Added Para : Furniture: a) Revolving chairs height adjustable, medium-back with hand-rest in the Physician, RSO, Console, Reporting rooms and Radiopharmacy – 8 NO.S b) Chairs for patient waiting area – Three seater (chrome plated). - 4 NO.S c) Cupboard with laminate door shutters for storage of spare parts and accessories and records as per requirement. – 3 NO.S d) Drug trolleys 1 numbers for patient preparation area. e) Patient trolley with rubber foam mattress to be kept in the patient preparation room. f) Name boards for all rooms g) Customizable table for Workstation in reporting and Console rooms, 3 tables - one each in Physician, RSO and Radiopharmacy h) Changing rooms should have change lockers (4 in 1) -2 Nos and dressing table-2 Nos. i) Dustbins (plastic with lid) to be provided as required.(medium size)-10 Nos</p>
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Sch No.11 : SPET CT (Tender ID : 2022_HLL_110121_11)		
Tender Page & Para	TENDER SPECIFICATION	AMENDED AS
page-66, Point no 3. iii	Number of PMTs should be 55 or more per detector with 1 ADC per PMT (True digital detector).	Number of PMTs should be 59 or more per detector with 1 ADC per PMT (True digital detector).
page-66, Point no 3.vi	Performance parameters should conform NEMA NU 1 standards complying the latest specifications prevailing at the time of supply of equipment and clearly mentioned with literature support	Performance parameters should conform NEMA NU 1 2012 or latest standards complying the latest specifications prevailing at the time of supply of equipment and clearly mentioned with literature support
page-67, Point no 4.x	Rotational time: 0.5 to 1.0 sec in 0.1 sec increments	Rotational time: 0.5 to 1.0 sec
page-67, Point no 4.xii	Scan time for complete 360 degree scan should be 0.5 sec or less	Scan time for complete 360 degree scan should be 1 sec or less

page-67, Point no 4.xviii	Gated cardiac and dynamic CT imaging acquisition capability should also be provided	Gated cardiac and dynamic CT imaging acquisition capability shall be provided - optional
page-67	NA	Added Para under "Collimators" : 5.iv. Medium Energy General Purpose Collimator - One Pair (OPTIONAL)
page-69, Point no 7. xiv	Gated Cardiac and Dynamic CT imaging acquisition capability shall be provided.	Gated Cardiac and Dynamic CT imaging acquisition capability shall be provided - optional
page-69, Point no 8.i	i. Two High performance PCs of latest specifications with multi tasking operating system with full DICOM readiness for image transfer print etc., compatible mother board and integrated graphic card. It should have a minimum of 4 GB RAM, 2.67 GHz or more processor speed, 1 TB or more HDD. It should also have CD and DVD combo drive with writer facility.	i. Two High performance PCs of latest specifications with multi tasking operating system with full DICOM readiness for image transfer print etc., compatible mother board and integrated graphic card. It should have a minimum of 4 GB RAM, 2.67 GHz or more processor speed, 1 TB or more HDD. It should also have CD and DVD combo drive with writer facility. Added Para : Should provide two workstations and Two concurrent licenses with all standard and latest softwares.
page-69, Point no 8.iii	The graphical user inter-face (GUI) should be identical to that of the acquisition unit	The graphical user inter-face (GUI) should be similar to that of the acquisition unit
page-69, Point no 8.vii	Broad band / Wi-fi enabled remote diagnostic facility to be provided and maintained	Wireless enabled remote diagnostic facility to be provided and maintained. Broadband will be provided by the Institute.
page-70, Point no 9.xxi	Advanced diagnostic CT applications including brain, peripheral angiography and calcium scoring soft	Advanced diagnostic CT applications including brain, peripheral angiography and calcium scoring software - optional
page-70, Point no 9.xxix	Application enabling dosimetry & quantification software along with workstation	Latest application enabling dosimetry (Olinda software or equivalent) & quantification software along with workstation.

page-72, Point no 11.xxiv	One fume hood for installation in the hot lab with PVC ducting	One fume hood for installation in the hot lab with PVC ducting. PVC Ducting has to be done by the equipment vendor. Added Para: a. Viewing mirror to be fitted on the inner side of the working chamber opposite to the front side. b. Inner chamber finished in stainless steel sheet. c. Fluorescent & UV tubes to be fitted inside. d. A set of pre, HEPA and charcoal filters to be fitted. e. Size of working area- at least 4' x 2'6"x 4'. It should be laid to suitable height as per latest radiation safety standards laid by AERB, Mumbai. f. Clear transparent acrylic counter balanced sliding sheet in the front
page-72, Point no 11.xxix	Two feather light (imported) lead lined aprons	Two feather light lead lined aprons
page-72, Point no 11.xxx	One side by side refrigerator for storing radiopharmaceutical kits	One side by side refrigerator of atleast 400 L capacity for storing radiopharmaceutical kits
page-72, Point no 11.xxxiv	One standard size L-Bench shield (Capintec / Biodex)	One standard size L-Bench shield (Capintec / Biodex/Equivalent)
Page No 73 Site modification works – Spect CT	Necessary building modification is to be designed and executed as per relevant codes, Technical Specifications, conceptual / layout drawings and AERB regulations. The Turnkey Scope of Work - GAMMA CAMERA / SPECT-CT	Supplier shall ensure that the equipment model quoted is commissioned within the designated area constructed by the Hospital as per AERB approved layout plan. All minor Structural changes which are part of turnkey including any brick work or concrete work should be carried by supplier as per AERB approved drawing.
Page No 74 Painting Point 1.	Two coats Plastic Emulsion Paint over 2 coats of wall putty including primer in areas where there is no wall cladding like patient preparation area, General waiting area, console room, Equipment room etc.	Wall finishes – 1. Two coats Plastic Emulsion Paint over 2 coats of wall putty including primer in non active rooms 2. Two coats of washable paint in active areas OR 600x600mm or 600x1200mm vitrified wall tiles upto false ceiling from finish floor level in Active area/rooms (as directed by the Institute)
Page no 75 Electrical point c.	General lights – Mirror optical type 1X28 W or 2X28 W/CFL fittings 2X36, 3X36 W with electronic ballasts	General lights – LED or Mirror optical lights to be provided.

Page no 75 – Air conditioning Point 3,	Ductable package air conditioners and split AC units may be used according to room requirement and suitability. Humidity control should be effective to eliminate moisture condensation on equipment surface. The Air conditioning should be designed with standby provision to function 24 hours a day. The outdoor units of AC should have grill coverings to prevent theft and damage.	Ductable package / Ductable split air conditioners and split AC units may be used according to room requirement and suitability. Humidity control should be effective to eliminate moisture condensation on equipment surface. The Air conditioning should be designed with standby provision to function 24 hours a day. The outdoor units of AC should have grill coverings to prevent theft and damage.
Page 75 Furniture Point c.	Cupboard with laminate door shutters for storage of spare parts and accessories and records as per requirement. – 3 NO.S	Cupboard (approx. 900x450x2000mm) with laminate door shutters for storage of spare parts and accessories and records as per requirement. – 3 NO.S
Page 75 Furniture Point g.	Tables for Workstation and Consultant in reporting room.-2 NO.S	Tables of size (approx. 1200x600x750mm) for Workstation and Consultant in reporting room.-2 NO.S
Page 75 Furniture Point h.	Changing rooms should have change lockers and dressing table.	Changing rooms should have change lockers (2 Nos) and dressing table (2 Nos) .
Page 75 Furniture Point i.	Dustbins (plastic with lid) to be provided as required.	Dustbins medium size(plastic with lid) to be provided. – 10 nos.
Page no 76 Miscellaneous Point 4	Fire extinguisher Dry CO2 type as required for the building safety.	Fire extinguisher ABC type of 2 kg as required for the building safety. – 5 nos.

All other contents of the Tender enquiry including terms & conditions remain unaltered.
Note:

- I. Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids**