

Amendment No. 06

Date: 06/07/2018

Sub: Amendment No.06 to the Tender Enquiry Document

Ref: (i) Tender No: HITES/PCD/04AIIMS-PETCT/18-19 dated: 20.04.2018 and subsequent amendments published for the referred tender.

Section I
Notice Inviting Tenders(NIT)**1) For:-**

Sl No	RFx No	Equipment	Total Quantity	Tender Processing Fee (INR)*	EMD (INR)
1	3000002826	128-Slice PET/ CT Scanner	4	5900	1,44,00,000

Read As:-

Sl No	RFx No	Equipment	Total Quantity	Tender Processing Fee (INR)*	EMD (INR)
1	3000002826	128-Slice PET/ CT Scanner	4	5900	1,52,00,000

2) The schedule for submission of tenders against the referred NIT is revised as below:

For:-

Sl. No.	Description	Schedule
d.	Closing date & time for submission of online bids	10.07.2018, 01:00 PM
c.	Closing date & time for submission of tender processing fee and EMD in physical form*	10.07.2018, 02:00 PM
e.	Time and date of opening of online bids	10.07.2018, 02:30 PM

Read As:

Sl. No.	Description	Schedule
c	Closing date & time for submission of online bids	18.07.2018, 01:00 PM
d	Closing date & time for submission of tender processing fee and EMD in physical form*	18.07.2018, 02:00 PM
e	Time and date of opening of online bids	18.07.2018, 02:30 PM

Note: If EMD is submitted in the form of BG, then the validity of the BG should be at least 165 days from the date of tender opening.

Section VII
Technical Specifications

Schedule No. 01
128-SLICE PET - CT SCANNER

Para	Existing specification	Amended As:-
1 (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. Kindly quote all options (latest models with latest technology/hardware/software) not included in the standard configuration with prices. Kindly quote for continuous motion technique also if possible.	A latest technology whole body Positron Emission Tomography system with 128 slices acquisition/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.
1.g	The vendor will have to deliver the latest state of the art model of the machine in the same segment at the time of installation with all hardware and software asked in the tender specifications at no extra cost (as mentioned response assessment, neuroimaging, cardiology, and SUV quantification software for SPECT-CT)	The vendor will have to deliver the latest state of the art model of the machine in the same segment at the time of installation with all hardware and software asked in the tender specifications at no extra cost (as mentioned Oncology applications including response assessment, neuroimaging, cardiology)
3.a	Equipment should be capable of acquiring 128 slices with 128 channels to transmit data or make it	Multi detector CT having minimum 64 rows of detectors with 128 slices acquisition/generation per rotation.
3.e	Detector coverage should be at least 38 mm or higher. : optional	Detector coverage should be at least 38 mm or higher.
8.k	One Dose drawing module for F-18 FDG. Fully automatic injector set or semiautomatic whichever is better	Fully automatic injector for FDG dispensing. Cost will be included in determining L-1. Please quote the price separately.
	Added para: Quote for continuous flow motion if present with the vendors	Continuous flow motion technique to be quoted as optional if available
2.k	Integrated CT simulation software for conformal radiotherapy planning with laser system (one moving & 2 fixed lasers of green colour) to be provided. It is to be connected with main TPS in the radiotherapy department through Ethernet wiring. A separate workstation is to be provided in TPS room.	Integrated CT and PET CT based simulation software for conformal radiotherapy planning with laser system (Three moving lasers of green color) to be provided. It is to be connected with main TPS in the radiotherapy department through Ethernet wiring. One out of 3 client workstations (of client - server) to be installed in TPS room.
	site modification, supply, installation and commissioning of PET-CT may be done in a period of 60 days after obtaining LC	Site modification, supply, installation and commissioning of PET-CT may be done in a period of 120 days after obtaining LC/site handover.

Para	Existing specification	Amended As:-
3 h	High frequency X-Ray generator tube with output of 70 kW or more, Anode heat storage capacity of 6.0 MHU or more, Tube Voltage between 80-140 kV, Tube Current of 20-600mA, Automatic self-testing system.	High frequency X-Ray generator tube with output of 70 kW or more, Anode heat storage capacity of 7.0 MHU or more , Tube Voltage between 80-140 kV, Tube Current of 20- 600mA, Automatic self-testing system.
6	Workstation (Data Acquisition, Processing & Management). - 5 clients as client server architecture with acquisition console are required	Processing Workstation and Clinical Application Software:
6.c	The processing workstation should be high performance CPU with multi-tasking operating system having minimum of 8 GB RAM, 2.53 Ghz processor speed, minimum 1GB graphic card, 300 GB storage capacity or more, Optical Mouse, Key-board and high resolution flat panel dual view LCD monitor of minimum 19" size with minimum resolution of 1280 x 1024. It should also have CD and DVD combo drive preferably with writer facility.	<p>FOUR high performance multi-tasking post processing independent workstations having minimum 8 GB RAM, 900 GB storage , Optical Mouse, Key-board and 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 computer workstation should be of latest specifications at the time of shipment, each provided with permanent license for both PET and advanced CT applications as mentioned in tender.</p> <p>In addition to above, a client server architecture with 3 number of client workstations with 40,000 concurrent slice. processing capability 40TB archive storage should be provided with permanent license for all applications asked in tender. This 40TB online Archive from principal manufacturer of PET-CT supplier, inclusive of zero foot print viewer for diagnostic reading to be provided. The archive software and viewer should be FDA approved and viewer should support access on mobility devices (i-OS or android as well). Quote as standard The client workstation should have minimum 8GB RAM, 500 GB storage and Optical Mouse, Key-board and monitor of ≥ 19" size with minimum resolution of 1280 x 1024.</p>
6.h	Five workstations with concurrent users for all applications in PET and CT.	Deleted (included above)
6.i	Time of flight PET with latest technology is required	List Mode Acquisition for cardiac studies should also be available as standard feature Dynamic frame Mode Acquisition: The acquisition set-up software must support multi-frame acquisition of different (arbitrary) frame duration's with no loss of data between frames. With processing capability to generate time activity curve. provide as standard
7.2b	Neuro quantification software including assessment of dementia using SUV values. Provide detailed specification of s/w quoted. Atleast 03 licenses required for three	Provide permanent licenses on all independent processing workstations as well as for each client of client server. Total 07 numbers (01 each on 04 processing workstations as well as three clients

Para	Existing specification	Amended As:-
	workstations	work station) Neuro quantification software including assessment of dementia using SUV values. Provide detailed specification and quote as standard Quote complete package for Cardiac PET and Coronary Angio CT with ECG gating as standard item. 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 MPI cardiac fusion. Provide as standard Cardiac PET CFR (coronary flow reserve) software should be provided (1 number). Should be possible to evaluate different scans of same patients done over a time to give overall assessment of malignancies progression in oncology. Quantification of metabolic parameters including SUV volume, SUV standardized for BMI (SUVmax, SUVmean, SUV Lean body mass, glycolytic index (Tlg). Kindly quote all the above as standard
7.2c	Quote complete package for pet and ct with ecg gating as standard item at least 03 licenses for three workstations .	Deleted
7.2.g	Should be possible to evaluate different scans of same patients done over a time to give overall assessment of malignancies progression in oncology. Atleast 03 licenses required for three workstations	Deleted
8.d	High resolution colour laser printer for colour hardcopy on paper with 10 sets of all cartridges (A3 and A4 sizes).	High resolution colour laser printer for colour hardcopy on paper with 10 sets of all cartridges (must have A3 size color print capability).
		Added para:
		DG set minimum 300 KVA to be provided for power backup. Please quote the price separately
		Voice recognition system with all software for medical transcription – 5 numbers installed on Desktop PC. All Hardware including desktop PC to be included. Provide as standard
		Patient Monitoring and critical care – (1) Multi-function monitor (including ECG, SPO2, & NIBP etc. monitoring) – One number (2) Cardiac Defibrillator: One
		The vendor need to quote as : 100mCi FDG packet delivered to AIIMS (doorstep calibrated/doorstep delivery)- 200 doses/year valid for first 2 years. Cost will be included in determining L-1. Price to be

Para	Existing specification	Amended As:-
		quoted separately.
		Advanced CT based liver segmentation software should be provided- 4 numbers. Provide as standard
		CCTV and two way microphone and speaker system (one CCTV each in common waiting hall, post administration waiting area for gamma camera, and post-administration waiting area for PET) and monitoring screen in console room
		1 MAC desktop with 16 GB RAM, 1 TB storage and 27 inch monitor including wireless mouse and keyboard--one number. Provide as standard
		Kindly quote SUV max quantification software for SPECT-CT as optional item
		QPG (quiescent phase Gating) and 4D PETCT phase matched respiratory capability in 4D Respiratory gating should be provided as standard. Any advanced application for respiratory gating may be quoted as optional .
		Onsite upgrade to digital PET (SIPM) quote as optional if available
		neuro software including Segami neurogram with SUVr (SUV ratio) as optional item
		ability to do a combo scan (gating and non gating scan in a single contrast) as optional item

Note:

i) The bidders are requested to upload their techno-commercial compliance in the revised excel sheet uploaded in e-tender portal having file name: Sch.01, TC_3000002826 v2.0, based on the revised technical specifications.

ii) Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids

All other terms and conditions of the tender enquiry remain unaltered