

05-11-2018

Amendment No. 1**Sub: Amendment to the referred tender enquiry****Ref.: Tender Enquiry: HITES/PCD/MP/RC-01/18-19 dated: 11.10.2018**

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

SECTION I**NOTICE INVITING TENDER (NIT)****Existing:****Tender Timeline:**

Sl. No.	Description	Schedule
c.	Closing date & time for submission of online bids	05.11.2018, 13:00
d.	Closing date & time for submission of tender processing fee and EMD in physical form*	05.11.2018, 14:00
e.	Time and date of opening of online bids	05.11.2018, 14:30

Read As:**Tender Timeline:**

Sl. No.	Description	Schedule
c.	Closing date & time for submission of online bids	20.11.2018, 13:00
d.	Closing date & time for submission of tender processing fee and EMD in physical form*	20.11.2018, 14:00
e.	Time and date of opening of online bids	20.11.2018, 14:30

SECTION-VII**TECHNICAL SPECIFICATIONS**

Schedule No: 01:-300 mA HF X-Ray Machine		
Para	Existing SPECIFICATION	Read as:-
1.i	High Frequency X-Ray generator having Frequency of 40 KHz or more suitable for Radiography should be provided.	High Frequency X-Ray generator having Frequency of 30 KHz or more suitable for Radiography should be provided.
4i	It should have floor to ceiling stand with vertical counter balanced travel.	It should have floor to ceiling stand with vertical counter balanced travel or motorized vertical stand not reaching to ceiling.
4.ii.	The column stand should move in full circle.	The column stand should move on ±90° or more.
5	It should be provided with one chest stand.	It should be provided one chest stand with bucky.
6.i.	Five position motorised tilt table having Bucky grid ration of 8:1 with 85 lines per inches should be provided.	Motorised table having Bucky grid ration of 8:1 with 85 lines per inches should be provided.
10	The department would provide standard room with only three phase power supply in the room. The rest of the installation work will be done by the supplier, including	The department would provide standard room with only three phase power supply in the room. The rest of the installation work will be done by the supplier, including

	girders for ceiling suspension etc., The installation of X-Ray machine includes all the associated work like suitable AC (min 4 TR), suitable flooring, cabling. Earthing, Lead lining etc. Should be done by the vendor. The site modification work should be as per AERB guidelines.	girders for ceiling suspension etc., The installation of X-Ray machine includes all the associated work like suitable AC (min 4 TR), suitable flooring, cabling. Earthing, Lead lining etc. Should be done by the vendor. The site modification work should be as per AERB guidelines. (Bidders have to visit the site.)
Schedule No: 02:-600 mA HF X-Ray Machine		
Para	Existing SPECIFICATION	Read as:-
3.i	Two Nos. Dual focus Rotating Anode X-Ray tube thermally protected	Dual focus Rotating Anode X-Ray tube thermally protected
3.iii	Two Nos. Collimator with Light auto shut-off.	Collimator (1 No.) with Light auto shut-off.
Schedule No: 04:CR System		
Para	Existing SPECIFICATION	Read as:-
2a	The CR reader / digitizer should be able to process 50 image plates/hr or more of the largest size cassette	The CR reader / digitizer should be able to process 45 image plates/hr or more of the largest size cassette.
Schedule No: 05:-Mobile X-rayUnit 100mA		
Para	Existing SPECIFICATION	Read as:-
1.iv.	m A range : 10 mA to 100 mA or more	m A range : 25mA to 100 mA or more
Schedule No: 09:- Spectrophotometer		
Para	Existing SPECIFICATION	Read as:-
2	Wavelength range 190-1100 nm.	Wavelength range 200-830 nm.
Schedule No: 12:- Echo Cardiology machine with TEE probe		
Para	Existing SPECIFICATION	Read as:-
2	System must be offered with a minimum of 10,00,000 digital processed channels. Original technical data sheet should be enclosed in technical bid to support the number of channels on the system. If not mentioned, please attach a letter from the manufacturer along with the technical bid clearly stating the digital processed channels of the offered system.	System must be offered with a minimum of 8.5 lac or more digital processed channels. Original technical data sheet should be enclosed in technical bid to support the number of channels on the system. If not mentioned, please attach a letter from the manufacturer along with the technical bid clearly stating the digital processed channels of the offered system.
3	System must have adult cardiology transducer with either single crystal technology or pure wave technology or matrix for excellent gray scale image quality on difficult to image patients. Please mention the technology used in the transducer. Original technical data sheet should be enclosed in technical bid to support the crystal technology.	System must have adult cardiology transducer with either single crystal technology or pure wave technology or matrix or Hanafy Lens technology for excellent gray scale image quality on difficult to image patients. Please mention the technology used in the transducer. Original technical data sheet should be enclosed in technical bid to support the crystal technology.
5	System should have at least four imaging universal active probe ports with electronic switching facility from keyboard without probe adapter.	System should have at least three imaging universal active probe ports with electronic switching facility from keyboard without probe adapter.
7	System should support broadband probes spanning a frequency of 1-15MHz. Up to 18MHz, 8 Image storing facility	System should support broadband probes spanning a frequency of 1- 10MHz.
11	Should be able to perform advanced quantification measurements like strain & strain rate quantification. Should measure the myocardial velocity and derives the strain rate and strain along user defined M-lines,	Should be able to perform advanced quantification measurements like strain & strain rate quantification. Should measure the myocardial velocity and derives the strain rate and strain . In addition to the Tissue Doppler based strain

	<p>capable of drawing up to 3M lines at a time, capable of sub-dividing each Mline into 8 sub-regions or according to user defined sub-region sizes, point of interest tool obtains values from any point on the M-mode display. In addition to the Tissue Doppler based strain system should have 2D based strain like VVI, AFI, and TMQ should be offered. These should be offered both on the system and on a licensed workstation. OFF Cart workstation (both licensed hardware and licensed software) should be quoted and highlighted in the technical bid.</p>	<p>system should have 2D based strain like VVI, AFI, and TMQ should be offered. These should be offered both on the system and on a licensed workstation. OFF Cart workstation (both licensed hardware and licensed software) should be quoted and highlighted in the technical bid.</p>
13	<p>The system should have the facility of displaying the three planes of the 3D data set. Contrast harmonic imaging should be offered as standard on the system, with optimization for low and high MI applications. Should also have facility of low MI with triggered replenishment imaging.</p>	<p>The system should have the facility of displaying the three planes of the 3D data set. Contrast harmonic imaging should be offered as standard on the system, with optimization for low and high MI applications.</p>
16	<p>Should be provided with Adult Transthoracic 3 D probe, Paediatric Transthoracic 3 D probe, Adult Transesophageal 3 D probe , Paediatric Transesophageal 2D probe, Epi-aortic probe, vascular probe. Corrigendum: Should be provided with Adult Transthoracic 3 D probe, Paediatric Transthoracic 2 D probe, Adult Transesophageal 3 D probe , Paediatric Transesophageal 2D probe, Epi-aortic probe, vascular Probe .</p>	<p>Should be provided with Adult Transthoracic 3 D probe, Paediatric Transthoracic 2 D probe, Adult Transesophageal 3 D probe , Paediatric Transesophageal 2D probe, vascular Probe</p>

Schedule No: 13:- Heart Lung Machine

Para	Existing SPECIFICATION	Read as:-
		<p>Added Para:- Heating Cooling system- 1. The system should be supplied with heating -cooling unit and other mandatory parts like heat exchanger, etc. The temperature shall be from 0-42 Deg. C with an increment of 0.1 Deg C. The accuracy of measurement shall ± 0.3 Deg C. The display shall be preferably be LCD/LED and temperature, flow controls trough touch pad.</p>
		2. Should have independent outlet for cardioplegia delivery system and exchanger.
		3. Two tanks with three circuits to ensure fast cooling and heating preferred.
		4. Should have provision for connecting patient blanket.
		5. Should have two adult and two paediatric heating cooling blankets of standard size

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.**
- ii. **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.**