

**Amendment No. 08**

Sub: Extension of due dates to the referred tender enquiry

Ref.: HITES/PCD/AIIA/01/22-23 dated 05-08-2022 read with Amendment No. 01 dated 17-09-2022, Amendment No. 02 dated 10-10-2022, Amendment No. 03 dated 18-10-2022, Amendment No. 04 dated 25-10-2022, Amendment No. 05 dated 10-11-2022, Amendment No. 06 dated 10-11-2022 and Amendment No. 07 dated 30-11-2022

The following changes are being incorporated in the above referred Tender Enquiry Document for the following Tender Id: 2022\_HLL\_124727\_5 - MRI Machine 3T.

**Section – VII**  
**Technical Specifications**

**Item No 5**  
**MRI Machine 3T**

<b>Tender spec Para</b>	<b>Existing Tender Specification</b>	<b>READ AS</b>
	Whole body 3.0 Tesla Magnetic Resonance Imaging system optimized for higher performance in cardiac and neurological examinations with short superconducting magnet, high performance gradients and digital Radio frequency system. <b>The manufacturer should quote the model not older than 2015.</b> The system should be totally new and should not contain refurbished or having recycled items.	Whole body 3.0 Tesla Magnetic Resonance Imaging system optimized for higher performance in cardiac and neurological examinations with short superconducting magnet, high performance gradients and digital Radio frequency system. <b>The manufacturer should quote the model not older than 2018.</b> The system should be totally new and should not contain refurbished or having recycled items
3.i	System should have a minimum gradient strength of 36 mT/m or more at slew rate of at least 150T/m/sec or more in each axis and this should be achieved with the rise time not more than 250ms. The rise time should be proportionate to reach the maximum gradient strength so that the duty cycle is around 100%. Also the vendor should provide the proof either through the data sheet or through a letter from their factory / Principal manufacturer."	System should have a minimum gradient strength of 36 mT/m or more at slew rate of at least 150T/m/sec or more in each axis and this should be <b>achieved simultaneously</b> with the rise time not more than 250ms. The rise time should be proportionate to reach the maximum gradient strength so that the duty cycle is around 100%. <b>Both Max slew rate and peak amplitude should be achieved simultaneously.</b> Also the vendor should provide the proof either through the data sheet or through a letter from their factory / Principal manufacturer
4.i	RF system should be fully digital and solid state with transmit power of at least 30 KW or more with <b>Dual RF Technology like Multi-transmit/ Multidrive/ Trueshape</b>	RF system should be fully digital and solid state with transmit power of at least 30 KW or more with <b>Dual or 4 Port RF Transmission for B1 inhomogeneity correction</b>

**HLL INFRA TECH SERVICES LIMITED**

<b>Tender spec Para</b>	<b>Existing Tender Specification</b>	<b>READ AS</b>
<b>8</b>	<b>Workstation (2 Nos):</b>	Workstation
i.	An <b>Independent workstation</b> from the Manufacturer with preferably the same user interface as of main console is required with the availability of all necessary software including basic post processing software including MIP, MPR, surface reconstruction and volume rendering technique.	<b>A server based workstation with 2 clients</b> from the Manufacturer with preferably the same user interface as of main console is required with the availability of all necessary software including one concurrent license for basic post processing software including MIP, MPR, surface reconstruction, volume rendering technique, FMRI, DTI and spectroscopy
11.viii	NON-Contrast Angiography techniques like <b>Native, QISS, Inhance, Trance</b> for whole body applications to be quoted as standard.	NON-Contrast Angiography techniques like <b>Native, Inhance, Trance</b> for whole body applications to be quoted as standard
	The cost of Site Modification Work for the area of <b>1500sq.ft</b> and Air-conditioning of <b>Tonnage 25 TR (including standby unit/s)</b> will be considered for Ranking / Evaluation purpose	The cost of Site Modification Work for the area of <b>750sq.ft</b> and Air-conditioning of <b>Tonnage 15 TR (including standby unit/s)</b> will be considered for Ranking / Evaluation purpose. However, the payment will be made on prorata based on the actual site modification area.
	<b>III. AIR CONDITIONING:</b>	
	i. Total capacity of the Air-Conditioning for the entire MRI scan centre area should be at least 25 TR.(incl. standby air-conditioning). However, if the installed system requires more capacity, it will be the responsibility of the supplier.	i. Total capacity of the Air-Conditioning for the entire MRI scan centre area should be at least <b>15 TR. (incl. standby air-conditioning)</b> . However, if the installed system requires more capacity, it will be the responsibility of the supplier.

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

**Note:**

- I. In reference to the extension of bid opening date, the participating bidders who had submitted or are submitting their Bid security/EMD in the form of Bank Guarantee (BG) or FDR are instructed to extend the validity of their BG/FDR accordingly, i.e. required validity of EMD is to be kept in line with the extended bid opening date.
- II. Prospective Bidders are also advised to check the website regularly prior to the closing date and time of online submission of bids.
- III. Technical Compliance Sheet (v1.1) and Price Bid Format (v1.0) is uploaded on CPP Portal along with this amendment for necessary action of interested bidders. This will supersede any version uploaded earlier.