MINUTES OF MEETING

MEETING TITLE	Pre-Bid Meeting For Supply, Installation and Commissioning of Color Doppler Ultrasound System (2 nos.) (Tender no. : HLL/HCS/Tender-GeM/2025-26/28 DTD: 17.02.2026) GEM/2026/B/7252752
DATE	21.02.2026
TYPE OF MEETING	PHYSICAL/ VIRTUAL (GOOGLE MEET) meet.google.com/ddn-owsm-hdf
MEETING DURATION	11.00 AM – 12.00 PM

PARTICIPANTS DETAILS

HLL Lifecare Limited	Mr. Binu Thomas (VP-PS & GH- HCS)
	Mr. Jayakumar A (DVP - HCS)
	Mr. Narendranath (DGM-Biomedical)
	Mr. Hariprasad A P (SM -HCS)
Prospective bidders participants	S Gurumurthy , M/s esaote India

Prebid meeting against the Tender floated for pre-bid meeting for supply, installation and commissioning of Color Doppler Ultrasound Machines (2 nos.) at Hindlabs at 2 locations was conducted on 21.02.2026 at 11.00 AM at corporate and head office of HLL Lifecare Limited at Thiruvananthapuram. Prospective bidders were given the option to participate either in person or through the online link provided in the tender document. During the meeting, the bidders raised various queries and were advised to submit the same in writing via email to hcstenders@lifecarehll.com for further consideration. It was also informed that all queries received would be examined by the HLL team and clarifications/ responses would be published subsequently as the official Pre-Bid Minutes. In continuation to the Prebid meeting, the prospective bidders have also mailed their respective queries. Also representations were received through GeM platform also. Details of response to the queries are as below.

S NO	Representation by Bidder	HLL Reply
ESAOTE INDIA (NS) LIMITED, CHENNAI		
1	**Point 3**. System should have latest state of the art Hybrid Beam forming technology to ensure no Compromise between Temporal and Special resolution. **Amend/Clarification:** **Point 3.** System should have latest state of the art Hybrid/Digital Beam forming technology to ensure no Compromise between Temporal and Special resolution. **Reason:** Since Hybrid Technology is outdated**.**	System should have latest state of the art Hybrid / digital Beam forming technology to ensure no Compromise between Temporal and Special resolution.
2	**Point 6.** System should have Digital TGC and LGC**.** **Amend/Clarification:** **Point 6.** System should have Digital TGC and LGC or equivalent gain management **Reason:** For wider participation	No Change In digital TGC/LGC, TGC/LGC will be adjusted automatically to the scanned region of interest. Not company specific. Usually included in mid and high end machines. Better image resolution and increases work flow.
3	**Point 19.** Single crystal Linear probe for MSK and Breast Imaging with 2D Real time Shearwave Elastography. **Amend/Clarification:** **Point 19. Single crystal/Matrix/Purwave** Linear probe for MSK and Breast Imaging with 2D Real time Shearwave Elastography. **Reason:** As mentioned in Point no 38.b	Single crystal / Matrix / Pure Wave technology Linear probe for MSK and Breast Imaging with 2D Real time Shearwave Elastography
4	**Point 23.** System should have more than 21" or more Flat panel Monitor (preferably LED) with articulating arm capable of Up/Down, forth/back movement along with tilt & swivel facility. **Amend/Clarification:** **Point 23.** System should have more than **24" or more** Flat panel Monitor (preferably LED) with articulating arm capable of Up/Down, forth/back movement along with tilt & swivel facility. **Reason:**	No change

	Request to amend	
5	**Point 24.** System should have more than 12" wide LED Touch Screen Control along with hard physical keyboard**.** **Amend/Clarification:** **Point 24.** System should have more than **15"** wide LED Touch Screen Control along with hard physical keyboard. **Reason:** Request to amend	No change
6	**Point 27.** System should be able to show hemodynamic color flow (Alpha blending). **Amend/Clarification:** **Point 27**. System should be able to show hemodynamic color flow or Equivalent technology **Reason:** The Alpha Blending is Samsung Company spec which is available only in Samsung and request to amend for wider participation	System should be able to show hemodynamic color flow **Alpha blending** is a computer graphics technique used to combine a transparent (or semi-transparent) image with a background image. It controls how much of the foreground and background colors are visible by using an **alpha value**, which represents transparency.
7	**Point 30.** System should have Micro Vascular Flow imaging with levels selection to visualize hemodynamics in micro vessels without the use of Contrast. It should be possible on 2D & volume imaging with a facility to quantify a given area of interest along with micro vascular index. **Amend/Clarification:** **Point 30.** System should have Micro Vascular Flow imaging with levels selection to visualize hemodynamics in micro vessels without the use of Contrast. It should be possible on 2D & volume imaging with a facility to quantify a given area of interest**.** **Reason:** The Micro vascular index is Samsung Company spec which is available only in Samsung and request to amend for wider participation	System should have Micro Vascular Flow imaging with levels selection to visualize hemodynamics in micro vessels without the use of Contrast. It should be possible on 2D & volume imaging with a facility to quantify a given area of interest along with blood flow percentage.
8	**Point 32.** System should have Comprehensive liver quantification package with Hepato renal Index, Tissue Scattered Imaging and Tissue Attenuation Imaging **Amend/Clarification:** **Point 32.** System should have Comprehensive liver quantification package with Hepato renal Index or Tissue Scattered Imaging or	No change The **Hepato-Renal Index (HRI)** is an ultrasound-based quantitative measure used to assess **liver steatosis (fatty liver)** by comparing the echogenicity (brightness) of the liver to that of the right kidney.

	Tissue Attenuation Imaging **Reason:** The HRI and TSI is Company spec, we request to amend for wider participation	**Tissue Scattered Imaging (TSI)** is an advanced ultrasound post-processing technique that improves image quality by reducing the effects of **acoustic scattering** and clutter within soft tissues. **Tissue Attenuation Imaging (TAI)** is a quantitative ultrasound technique used to **measure the attenuation (energy loss) of ultrasound waves as they pass through tissue**. It is most commonly used to assess **hepatic steatosis (fatty liver)** These terms are not company specific and requirement of mid range ultrasound machines
9	**Point 33.** System should have Liver fat quantification tool with fat fraction displayed in percentage form and should have comprehensive multiparametric reporting format giving all parameters related to Liver solution in one page**.** **Amend/Clarification:** **Point 33.** System should have Liver fat quantification tool and should have comprehensive multiparametric reporting format giving all parameters related to Liver solution in one page**.** **Reason:** The **"Fat fraction displayed in percentage form"** id Siemens Specific. Hence we request to amend for wider participants	No change
10	**Point 34.** System should be upgradable of Deep Learning technology based feature, that automatically does classification of the ultrasound images, auto annotates & auto measures the structures in 2nd & 3rd Trimester OBS thus drastically reducing the overall key strokes & eventually the scan time spent on per patient. This should be possible with the regular convex probe**.** **Amend/Clarification:** Please remove/Delete this point **Reason:** This spec is available only in Samsung and request to delete.	Clause deleted
11	**Point 36.** System should have a feature to semi-automatically extracts the centerline and thickness of the curved endometrium and provides a coronal view in 3D, flattened by the centerline with report function	System should have a feature to automatically / semi-automatically extracts the centerline and thickness of the curved endometrium and

	for uterine malformation classification according to the *ESHRE/ESGE or ASRM guideline selection **Amend/Clarification:** Please remove/Delete this point **Reason:** This spec is available only in Samsung and request to delete.	provides a coronal view in 3D, flattened by the centerline with report function for uterine malformation classification according to the *ESHRE/ESGE or ASRM guideline selection
12	**Point 38-E**. Single Crystal / matrix / purewave technology Convex high frequency Abdominal probe with frequency range from 3 to 11 MHz. (+/- 1 MHz Frequency Acceptable). **Amend/Clarification:** **Point 38-E**. Single Crystal / matrix / purewave technology Convex high frequency Abdominal probe with **frequency range from 2 to 9** MHz. (+/- 1 MHz Frequency Acceptable). **Reason:** Request to amend	Single Crystal / matrix / purewave technology Convex high frequency Abdominal probe with frequency range from 3 to 11 MHz. (+/-2 MHz Frequency Acceptable).

This minute of pre-bid meeting shall form part of bid document as Addendum/Amendment. All the bidders must attach a copy of this MoM, sealed and signed by authorized signatory, which indicates that all the points in this MoM is agreed by the bidder.