



عطاء رقم ٢٠١٩/ل/١
توريد وتركيب وتشغيل جهاز التراساوند

Item	MID Range DIAGNOSTIC ULTRASOUND SYSTEM	Qty. (1)
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IMPORTANT NOTE:

Vendors are required to fill out the product details, compliance information, and brochure reference page number in the columns below

TECHNICAL SPECIFICATIONS:

The unit must meet or exceed the requirements listed in the table below.

Product Details	
Name of Manufacturer	
Model/ catalogue number	
Country of Origin for the offered model	
Country where the manufacturer is based	
Delivery time	
Full warranty period	
FDA clearance OR CE Mark	

	Minimum Requirements	Compliance (Y/N) , Notes	Brochure Page No.
*	An all-purpose Gynecology ultrasound scanner to cover the entire range of common clinical applications. The unit must satisfy or surpass the following Specifications:		



A	Application:		
1	Abdominal ,Vascular ,Transcranial ,OB/GYN, Fetal Echo ,CARDIAC		
B	Configuration		
1	Mobile cart / built-in trolley type.		
2	Four full swivel castors with brakes		
3	Full control keyboard		
4	High-resolution LCD: ≥ 17 "		
5	Storage for transducer cables		
6	Auxiliary storage compartments/drawers		
7	Minimum of 3 active transducer connector		
8	User-adjustable presets		
9	Adjustable monitor position		
C	General Features:		
1	Grayscale levels: 256		
2	Power up time: ≤ 2 minutes with shutdown confirmation capability		
3	Self-diagnostic routine during power up		
4	Acquisition frame rate: ≥ 500 fps		
5	System must be upgradable to 4-D		
6	Simultaneous processing bandwidth capability: 2-12MHz		
7	No. of digitally processed channels: ≥ 100000		
8	Input dynamic range: : ≥ 180 dB		
9	Cine loop: ≥ 1000 frames		
10	Automatic real-time Doppler trace capability including calculation and display of user-selected measurements		
11	Real-time Pan/Zoom		
12	Frozen image Pan/Zoom		



13	Automatic optimization of base line and scale		
14	Automatic OB measurements		
15	Local HDD patient search through name and/or ID		
16	Full DICOM 3.0, RIS, HIS, PACS Support		
17	Raw data processing capability or equivalent		
D	Image Storage:		
1	Capacity of stored images HDD: $\geq 2 \cdot 0$ GB		
2	Removable Storage: CD/DVD, USB		
E	Multi frequency Transducers with minimum		
1	Convex probe : 2-5 MHz		
2	Vaginal probe : 4 -9 MHz with minimum depth of 15 cm		
3	Linear probe: 5-10 MHz		
4	Sector probe: 2-4MHz		
E	Imaging Modes:		
1	2D		
2	B-mode		
3	Tissue harmonic imaging		
4	Color Doppler imaging		
5	Zoom function with Movable zoom box.		
6	Speckle reduction (Noise reduction imaging)		
7	Cardiac measurements		
8	Compounding imaging		
F	Reporting and Management System		
1	The system shall be capable to perform patient report which should include; patient data, measurements, analyses, to allow embedding of images into patient reports.		
2	Thermal Black and White printer		
3	UPS must included for ultrasound		



G	All available standard & optional features, packages, & accessories must be listed and priced separately		
H	<p><u>There is an old defective ultrasound in the mutah center :</u> <u>Philips envisor system with probes : sector , linear , convex</u></p> <p><u>The old ultrasound can be trade in with discount from the price</u></p> <p><u>يوجد في المركز جهاز التراساوند بحاجة إلى صيانة من نوع فيليبس مع</u> <u>بروبات للاشعة والنسائية والايكو وهذا الجهاز قابل للبدال بالجهاز الجديد مع</u> <u>خصم المبلغ من ثمن الجهاز الجديد</u></p>		



SPECIAL TERMS

1. **CE or FDA certificate**

2. **Country of origin:**

i. **The country of origin of the main part (s) of the system must be one of the following:**

USA, Germany, France, Italy, Austria , or equivalent .

ii. **well known companies manufacturing in other countries mentioned , will be accepted if the offered system can be sold in USA or Europe .**

iii. **Accessories and consumables (as determined by the purchasing committee) may be manufactured in other countries and/or by different manufacturers.**

3. **Warranty:**

Offers must include a full warranty including spare parts and labour for a period of a minimum of 24 months from the date of installation.

4. **One set of operation manual(s) and one set of service manual(s) including schematics and a spare-part list must be delivered with each unit, CD/DVD is acceptable.**

5. **Pre-installation shall be the sole responsibility of the supplier. Pre-installation shall include removal of old system(s), any civil work, electrical work or site modification(s) necessary to accommodate the new system(s) according to manufacturers' specifications and safety standards in addition to the work required for bringing back the site to the same working conditions as before installing the new system(s).**

6. **Power requirements: where applicable either single phase 220V, 50Hz. Systems with external transformers are considered conforming only if clearly stated in the technical specifications.**

7. **Technical offers must include clear original technical brochures/catalogues for all offered items.**

8. **Offers must include fully detailed technical offers and compliance sheets.**

9. **Accessories and consumables:**

Technical offers must include a priced list for accessories and consumables as a hard copy in addition to a soft copy with prices fixed for a period of five years from the date of installation and commissioning with a maximum annual increase of 2%, any essential item not listed will be considered free of charge.



10. Spare Parts:

Spare parts, consumables and accessories availability must be guaranteed for a minimum period of ten years starting from the date of installation and commissioning.

11. Pricing must include services of sale, shipment, transportation, delivery from port to site, installation, pre-installation (if needed), training, commissioning, warranty and bringing the equipment into service.