

Procurement of Medical Devices for Clinical Centre Dr Dragiša Mišović
IOP/6-2017/RD
Clarification no.23

Issued on 02.10.2017.

Item 7.13- Portable Ultrasound table concept with 2 probe - 2 pcs

Spec. 10 : *Convex ultrasound probe, 2.0-8.0 MHz, 65° minimum field of view and minimum 128 elements.*

The request for 2.0 – 8.0 MHz frequency range and 65° Field of View limits competition and does not allow [REDACTED] to participate to the tender with a premium portable ultrasound system that has a convex probe with upper frequency range of 2.5 – 5 MHz and 55° FOV, which is adequate for performing all the required examinations (Fetal/OB, Abdominal, Pediatric, Musculoskeletal, Thoracic/Pleural, Nerve Block, Intraoperative, Biopsies)

Spec. 1 - *Convex ultrasound probe, 2.5-5.0 MHz, 55° minimum field of view and minimum 128 elements.*

Answer 1. Clinical demand for examining older patients is driving requested specification. Changing requested specification is not acceptable.

Spec. 11 : *Linear ultrasound probe 5.0-12.0 MHz, maximum width 40mm, number of elements minimum*

We kindly request you to clarify whether by 40mm maximum width you are referring to the Field of View or to the probe footprint. Also **whether the Field of View of 38.4 mm is acceptable** (since the request is for maximum 40 mm so the 38.4 mm is included in this range)

Answer2. We are referring to the field of view 40mm and it is clinical request. Changing requested specification is not acceptable.

Spec. 11 : *Ultrasound allows acquisition with linear hockey stick probe or similar with maximum width of 30 mm*

We kindly request you to clarify whether by 30 mm maximum width you are referring to the Field of View or to the probe footprint. Also **whether the Field of View of 25.2 mm is acceptable** (since the request is for maximum 30 mm so the 25.2 mm is included in this range)

Answer3. We are referring to the field of view 30mm and it is clinical request. Changing requested specification is not acceptable.

Spec. 14 : *128 hardware channels (without multiplexing)*

The request for 128 hardware channels limits competition and does not allow [REDACTED] to participate to the tender with a premium portable tablet concept ultrasound system. In addition the important in ultrasound systems is the effective channels that reflects the real processing capability of the system.

We kindly request either **to remove the specification**, allowing for broader participation to the tender or to modify as follows :

Spec. 14 : *128 hardware channels (without multiplexing) or **state the effective channels of the system***

Answer 4. Specification for requested number of channels is for better processing capability and visualization of anatomy. Changing requested specification is not acceptable.

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Spec. 15 : *Diagonal is the whole tablet concept, has backlight and minimum resolution of 1280 x 800.*

The request for minimum resolution of 1280x800 limits competition and does not allow [REDACTED] to participate to the tender with a premium portable tablet concept ultrasound system that has 12.1 inch High Resolution Color LCD monitor with resolution 1024x768. We kindly request to expand the specification, since this deviation does not affect clinical efficiency of the system, allowing for broader participation to the tender, and please accept the following modification :

Answer 5. Specification for requested resolution is for better visualization of anatomy. Changing requested specification is not acceptable.

Spec. 16 : *Ultrasound has battery for autonomous operation without electricity for a period of 80 minutes minimum.*

The majority of the portable ultrasound systems in the market, including the one of [REDACTED] are equipped with battery for autonomous operation for a period of 60 minutes. [REDACTED] also offers extended battery life with extra battery pack that features a simple button for easy removal without having to undock the system .

We kindly request to expand the specification, as this minor deviation in battery autonomous operation does not affect clinical efficiency of our system, allowing for broader participation to the tender, and please accept the following modification :

Spec. 16 : *Ultrasound has battery for autonomous operation without electricity for a period of 60 minutes minimum. Additional battery pack to be offered for extended battery autonomy.*

Answer 6. Specification for requested autonomous operation of 80 min. is minimum due to portable usage in the hospital. Decreasing autonomy for 20 min is not acceptable. Changing requested specification is not acceptable.

Spec. 23 : *maximum depth scanning in 2D mode ,minimum 36 cm*

The majority of the ultrasound systems in the market, have a maximum scanning depth of 30 cm which is adequate for difficult to scan patients, in depth structures and for performing all the required examinations according to the international standards. The request for scanning depth limits competition and does not allow [REDACTED] to participate to the tender with a premium portable ultrasound system that has a scanning depth of 30 cm. We kindly request to expand the specification, as this minor deviation in scanning depth does not affect clinical efficiency of our system, allowing for broader participation to the tender, please accept the following modification :

Spec. 23 : *maximum depth scanning in 2D mode ,minimum 30 cm*

Answer 7. Clinical demand for examination of obese patients is key driver for the depth scanning in 2D mode of minimum 36cm. Changing requested specification is not acceptable.

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Spec. 25 : B, M, color doppler, PW doppler, Power doppler, harmonic, triplex, examinations of slow flow

The request for triplex mode in portable ultrasound tablet concept system limits competition and does not allow [REDACTED] to participate to the tender with a premium portable tablet concept ultrasound system.

We kindly request to expand the specification, **removing request for triplex**, allowing for broader participation to the tender, and please accept the following modification :

Spec. 25 : B, M, color doppler, PW doppler, Power doppler, harmonic, examinations of slow flow

Answer 8. Our need for triplex mode is clinically proven also in portable ultrasound. Changing requested specification is not acceptable.

Spec. 27 : *Image optimization with one click in B and PW doppler modes*

The request for image optimization with one click in PW Doppler mode in portable ultrasound tablet concept system, limits competition and does not allow [REDACTED] to participate to the tender with a premium portable tablet concept ultrasound

We kindly request to expand the specification, **removing request for one click PW Doppler optimization**, allowing for broader participation to the tender, and please accept the following modification :

Spec. 27 : *Image optimization with one click in B mode*

Answer 9. Efficient workflow is driving the requested for image optimization with one click in PW Doppler mode. Changing requested specification is not acceptable.

Public Procurement Commission