CONTRACTING AUTORITIS CLARIFICATIONS

CONTRACT TITLE : PURCHASE OF EQUIPMENT FOR DIAGNOSIS OF CANCER

Public Ref.:RORS00009/Health Care Center Veliko Gradiste/TD01

Date : 24/07/2024.

No.	Question / answer
1. Q	**Tehnical specification : 1. GENERATOR. 1.2. Nominal maximum power: min. 7kW.** **Question:** Is it acceptable for the customer to deliver a system that has a nominal power of 5 kW? It is completely clear that a stronger generator enables better signal penetration, the production of higher kV, and therefore a higher dose. By accepting our suggestion, the user will not lose the quality of the image, but will certainly have a lower dose for the patient.
1. A	The higher power of the generaton allows for greater flexibility in the choice of exposure conditions set by the system/operator and achieving the optimum quality/dose. Also, for additional system upgrades to tomosynthesis and contrast mammography, a higher power generator is necessary. The Purchaser remains with the requirements of the tender documentation.
2. Q	**Tehnical specification : 1.GENERATOR. 1.3. Tube voltage range 25 - 45 kVp or wider with 1kV intervals**. **Question:** Is it acceptable for the customer to deliver a system that has tube voltage in range 23-35kV and 45-49 kV in 1kV intervals? The 23 to 35 kV range is used for standard 2D and 3D imaging. Higher kV ranges are mainly used for CEM (contrast enhanced mammography), which is certainly possible with the range from 45 to 49kV.
2. A	It is not acceptable for the Purchaser.In the range of 35-45 kv, 10 kV is missing. In the case of larger breasts, where it is necessary, for example , a 38kV technician will not be able to adjust the conditions.
3. Q	**Tehnical specification :2. X-RAY TUBE. 2.2. Anode heat storage capacity: min. 300.000 HU.** **Question:** Numerous researches and studies are known according to which even a heat capacity of 90.000 HU is absolutely sufficient for almost all clinical examinations. Is a system with an anode heat capacity of 162.000 HU acceptable to the customer? The heat capacity of the anode of 162.000 HU does not require any additional cooling between examinations and allows a large number of examinations in continuity.
3. A	The higher heat capacity of the anode allows for a significantly longer life of the X-ray tube, as well as a large number of continuous examinations without the fear that the siystem will have to be cooled. Considering that screening of the entire district will be done in the health center, a higher heat capacity is of great

	importance. The Purchaser remains with the requirements of the tender documentation.
4. Q	**Tehnical specification : 4.FLAT PANEL DETECTOR. 4.2. The pixel size max. 50 µm.** **Question:** Is it acceptable for the customer to deliver a flat panel detector with a pixel size of 85 µm, because the pixel size is not the only factor that affects image quality?
4. A	The pixel size of the detector is not the only but certainly the most important factor that affects the quality of the image. The size of the pixels affects the resolution which is also the most important for the image quality. The Purchaser remains with requirements of the tender documentation.