

ADDENDUM No. 3 to the TENDER DOCUMENTS for Procurement of Medical Imaging Equipment, no. IOP/5-2017/RD

Issued on 16.10.2017.

The following provisions of Tender Documents for the Medical Imaging Equipment, no. IOP/5-2017/RD are hereby replaced as follows:

- 1. Tender Documents are changed in Technical Specification, Lot 1, Digital angiography system for cardio-vascular diagnostic and interventional procedures Institute for cardiovascular diseases “Dedinje”, line 2.3**

Which reads as follows:

Floating tabletop of radio transparent material, length of table 260 cm or more, width of table 50 cm or more but not to wide in order to avoid collision with C- arm lateral angulations. To provide stepping DSA table movement. „Metal free“ area of table to be 200 cm or more, in length. There must be cranial-caudal tilt.

It is replaced and reads as follows:

“Floating tabletop of radio transparent material, length of table 260 cm or more, width of table **46 cm or more** but not to wide in order to avoid collision with C- arm lateral angulations. To provide stepping DSA table movement. „Metal free“ area of table to be 200 cm or more, in length. There must be cranial-caudal tilt.”

- 2. Tender Documents are changed in Technical Specification, Lot 2, Magnetic resonance system 1.5T equipped and suitable for whole body examinations for Clinical Hospital Center „Zemun“, line 1.6:**

Which reads as follows:

Field of view - not less than 55x55x50 cm (XxYxZ)

It is replaced and reads as follows:

“Field of view - not less than **50x50x45 cm (XxYxZ)**”

- 3. Tender Documents are changed in Technical Specification, Lot 2, Magnetic resonance system 1.5T equipped and suitable for whole body examinations for Clinical Hospital Center „Zemun“, line 2.3**

Which reads as follows:
Gradient power at least 20 kW

It is replaced and reads as follows:
“RF Amplifier power at least 20 kW”

- 4. Tender Documents are changed in Technical Specification, Lot 2,1. Magnetic resonance system 1.5T equipped and suitable for whole body examinations for Clinical Hospital Center „Zemun“, line 4.4**

Which reads as follows:
Spine coil with minimum of 32 coil elements, with coverage of minimum 100cm and with possibility of axial movements inside the patient table

It is replaced and reads as follows:
“Spine coil with minimum of 32 coil elements, with coverage of minimum 100cm”

- 5. Tender Documents are changed in Technical Specification, Lot 2,1. Magnetic resonance system 1.5T equipped and suitable for whole body examinations for Clinical Hospital Center „Zemun“, line 4.5**

Which reads as follows:
Extremity coils: Two flexible coils of different sizes with minimum of 16 coil elements in a row each, for examination of joints

It is replaced and reads as follows:
“Extremity coils: Two flexible coils of different sizes with minimum of 16 coil elements in a row each, for examination of joints or 4 separate rigid coils (shoulder, wrist, knee, foot) with minimum 15 elements each”

- 6. Tender Documents are changed in Technical Specification, Lot 2, Premium Cardiovascular ultrasound system for Clinical Hospital Center „Zemun“, line 1.2**

Which reads as follows:
LCD monitor size min 23“ Full HD on articulating arm

It is replaced and reads as follows:
LCD monitor size min 22“ Full HD on articulating arm

7. Tender Documents are changed in Technical Specification, Lot 2, Premium Cardiovascular ultrasound system for Clinical Hospital Center „Zemun“, line 2.11

Which reads as follows:

2D analysis functionality requested in point 2.10. is suitable for other ventricle and atriums

It is replaced and reads as follows:

“2D analysis functionality requested in point 2.10. is suitable for other ventricle and atriums, on board technique or offline through external workstation (in this case external workstation must be offered with system)”

8. Tender Documents are changed in Technical Specification, Lot 2, Premium Cardiovascular ultrasound system for Clinical Hospital Center „Zemun“, line 2.15

Which reads as follows:

Ultrasound system can be upgraded with fusion imaging which enables display of the same anatomical section on ultrasound live image as well as on last exam image performed on CT or MR systems. Image Fusion functionality should be available on 2D transthoracic matrix cardiac probe

It is replaced and reads as follows:

“Ultrasound system can be upgraded with fusion imaging for cardiology: US with cardiac CT using transthoracic probe, or US with cardiac MR using transthoracic probe, or US with Angio X-ray using transesophageal probe.”

9. Tender Documents are changed in Technical Specification, Lot 2, Digital angiography X-ray system for diagnostic cardiac and interventional procedures for Clinical Hospital Center „Zemun“, line 1.12 is deleted.

10. Tender Documents are changed in Technical Specification, Lot 2, Digital angiography X-ray system for diagnostic cardiac and interventional procedures for Clinical Hospital Center „Zemun“, line 2.2

Which reads as follows:

Tabletop movement in longitudinal direction at least 100 cm and in lateral direction at least $\pm 17,5$ cm

It is replaced and reads as follows:

“Tabletop movement in longitudinal direction at least 100 cm and in lateral direction at least ± 14 cm”

11. Tender Documents are changed in Technical Specification, Lot 2, Digital angiography X-ray system for diagnostic cardiac and interventional procedures for Clinical Hospital Center „Zemun“, line 3.5

Which reads as follows:

Generator has at least double inverter and in case of malfunction of one inverter, second must insensibly take over operation

It is replaced and reads as follows:

“Generator has at least double inverter or angiograph has a fluoro UPS (uninterruptable power supply) and in case of malfunction the backup system can insensibly take over operation to provide x-ray imaging or other equivalent technology for inverter protection.”

12. Tender Documents are changed in Technical Specification, Lot 2, Digital angiography X-ray system for diagnostic cardiac and interventional procedures for Clinical Hospital Center „Zemun“, line 7.5

Which reads as follows:

Anatomically image zoom without x-ray dose increasing “Digital Acquisition Zoom” which can be applied on all available field of views with possibility of selection at least 4 different zoom factors in acquisition programs in following operating modes: Fluoroscopy, “Roadmap Fluoro”, Digital angiography, Digital Subtraction angiography.

It is replaced and reads as follows:

“Image zoom without x-ray dose increasing “Digital Acquisition Zoom” which can be applied on all available field of views with possibility of selection at least 4 different zoom factors in acquisition programs in following operating modes: Fluoroscopy, “Roadmap Fluoro”, Digital angiography, Digital Subtraction angiography.”

13. Tender Documents are changed in Technical Specification, Lot 2, Digital angiography X-ray system for diagnostic cardiac and interventional procedures for Clinical Hospital Center „Zemun“, line 7.6

Which reads as follows:

System of data protection with at least 1 redundancy disc (RAID 5)

It is replaced and reads as follows:

“System of data protection with at least 1 redundancy disc (RAID 5) or by image storage in parallel on postprocessing workstation”

14. Tender Documents are changed in Technical Specification, Lot 2, Digital angiography X-ray system for diagnostic cardiac and interventional procedures for Clinical Hospital Center „Zemun“, line 7.7

Which reads as follows:

Possibility of display at least 2 physiological signal which are taking over during appropriate image acquisition. Physiological signals are stored together with appropriate images and sent together with appropriate DICOM data.

It is replaced and reads as follows:

“Possibility of display at least 1 physiological signal which are taking over during appropriate image acquisition. Physiological signals are stored together with appropriate images and sent together with appropriate DICOM data”

15. Tender Documents are changed in Technical Specification, Lot 2, Digital angiography X-ray system for diagnostic cardiac and interventional procedures for Clinical Hospital Center „Zemun“, line 8.1.3

Which reads as follows:

Ceiling monitor stand with rotation of $\pm 180^\circ$ along vertical axis with possibility of longitudinal movements along patient table at least 300 cm and lateral movement at least 280 cm for symmetrical operation from both, left and right side of the patient, femoral radial/brachial access

It is replaced and reads as follows:

“Ceiling monitor stand with rotation of at least 300° along vertical axis with possibility of longitudinal movements along patient table at least 300 cm and lateral movement at least 240 cm for symmetrical operation from both, left and right side of the patient, femoral radial/brachial access”

16. Tender Documents are changed in Technical Specification, Lot 2, Digital angiography X-ray system for diagnostic cardiac and interventional procedures for Clinical Hospital Center „Zemun“, line 8.2.1 is deleted.

17. Tender Documents are changed in Technical Specification, Lot 2, Digital angiography X-ray system for diagnostic cardiac and interventional procedures for Clinical Hospital Center „Zemun“, line 8.2.2

Which reads as follows:

2 monitors for live and reference image display

It is replaced and reads as follows:

“At least 2 monitors for use as system, live and reference image display”

In order to prepare correct bids, regarding lots in which changes were made, the Bids should be prepared in accordance with the latest amendment, published on the website of the Purchaser.

In all other aspects, Bidding documents for the Procurement of Medical Imaging Equipment, **no. IOP/5-2017/RD**, remains unchanged.

Public Procurement Commission