**Procurement of equipment for Mother and Child Institute Dr Vukan Čupić, Belgrade**

**IOP/38-2019/UHI**

**Clarification No.6**

**Issued on 29th of May 2020**

**Question 1:** In Lot 4, Radiology, item **ID 4.3. Fixed Radiography system with Wireless Flat Panel Detectors - Ceiling mounted,** line 3,2 you have requested: "Translation X (Longitudinal) min. 4000mm x Y(Lateral) min 3000mm x Z(Vertical) min. 1800 mm". Is it acceptable to offer translation Y (Lateral) min. 2700mm? This movement corrections will not affect the range of motion of X-ray tube support itself and it will allow bigger competition.

Answer 1: It is acceptable.

**Question2: In Lot 4**, Radiology, **ID 4.3. Fixed Radiography system with Wireless Flat Panel Detectors - Ceiling mounted,** line 6,3 you have requested: "Technic for suppressing the appearance of bones in chest images available“. Each manufacturer have its own filters and processing tools for enchansing solid structures and suppresing bones. Requrement described like this significantly limits the competition. Is it acceptable to offer device without above mentioned technology?

Answer 2: It is acceptable.

**Question3: In Lot 4**, Radiology, **ID 4.3. Fixed Radiography system with Wireless Flat Panel Detectors - Ceiling mounted, line 6,5** you have requested: "Pediatrics exposure management on patient weight", in **ID 4.5**. Mobile radiography digital system with 2 FPD (Flat Panel Detectors) in **line 52** you have requested: "Pediatric Exposure Management provided" and in **line 68** you have requested "Pediatrics exposure management on patient weight“. All the manufacturers are adjusting the dose depending of application- anatomical region, and patient size/weight. Some manufacturers have named this dose management by size, other by weight or pediatric. In all cases diferent values of three main parameteras are set mA, kV and exposure time. Each device have preseted those parameters depending of patient size/weight including pediatric application, and new values also can be set and saved as new APR. Taking into consideration above mentioned is it acceptabel to offer solution described in those three requests defined as dose exposure management dependent of patient size?

Answer 3: It is acceptable.

**Question 4:In Lot 4**, Radiology, **ID 4.5. Mobile radiography digital system with 2 FPD (Flat Panel Detectors)** line 27 you have requested: "Detector charged automatically in the cabinet ". Is it acceptable to offer batery charger separetd from the cabinet? This change will not afect quality of offered device as one of the request is extra batery for each detector, which means that second batery can always be fully charged, and on this way batery life cycle is going be longer as batery will be always fully discahrged and charged.

Answer 4: It is acceptable.

**Question 5: In Lot 4**, Radiology, **ID 4.5. Mobile radiography digital system with 2 FPD (Flat Panel Detectors)** line 33 you have requested "Effective area dimensions: max. 25x30 cm". Is it acceptable to offer FPD with effective area dimensions of 27.4 x 35cm? Important is that mentioned size can be fit into baby incubator which is important for the end user.

Answer 5: It is acceptable.

**Question 6: In Lot 4**, Radiology, **ID 4.5. Mobile radiography digital system with 2 FPD (Flat Panel Detectors)** line 41 you have requested "Disk storage capacity of min 10.000 images ". Is it acceptable to offer disk storage capacity of min 3.500 images? Taking into acount that integrated workstation in digital mobile X-ray is not intended for long term archiving, and that subject of this procurement is also PACS, this change will not afect qulity of the daily workflow.

Answer 6: It is acceptable.

**Question 8:In Lot 4**, Radiology, **ID 4.5. Mobile radiography digital system with 2 FPD (Flat Panel Detectors)** line 57 you have requested "Distance from focal spot to floor in vertical direction, in range of min 500 – 2100 mm +/-20%". Is it acceptable to offer range from 680 to 2025mm? Every manufacturer have different ranges of vertical movements, and it is essential that it covers a wide range of motion, what 1.345mm range certainly do.

Answer 8: It is acceptable.

**Question 9:In Lot 4**, Radiology, **ID 4.5. Mobile radiography digital system with 2 FPD (Flat Panel Detectors)** line 67 you have requested "Software for enhancing visibility of tube and lines without additional exposure provided". Each manufacturer have its own filters and processing tools for enchansing diferent structures. Request decribed like this significantly limits the competition. Is it acceptable to offer device with eqvivalent technique which applies edge enhancement and gray scale processing to multiple frequencies, improving visibility for varying densities and foreign structures?

Answer 9: It is acceptable.

Public Procurement Committee