

**EQUIPMENT FOR BIOSENSE INSTITUTE IN NOVI SAD, SERBIA
(PROCUREMENT NO. IOP/22-2018/RD)**

Clarification no. 5

Issued on February 7, 2019

Regarding the list of questions that the Purchaser, Public Investment Management Office Belgrade, No. 11 Nemanjina street, have received from the potential bidders, concerning the procurement procedure: Equipment for Biosense Institute in Novi Sad, Serbia no. IOP/22-2018/RD, we give you the following answers:

Question 1:

For Lot8: Technical specification line: 1 ""Focusing stroke: min. 27mm"" Question: Is it possible to offer microscope with focusing stroke of 25mm? This is small difference which will not have effect on quality and performance

Answer 1:

It is possible to offer microscope with focusing stroke of 25 mm.

Question 2:

For Lot8: Technical specification line 1 ""Refocusing function, by fixing the upper limit of the Z-focus"" Question: Modern microscopes have precise and stable focusing drive, so it not necessary to have this function. Please consider possibility to remove this sentence.

Answer 2:

Refocusing stage is not mandatory.

Question 3:

For Lot8: Technical specification line 1 ""Button for capturing images at the microscope, direct from the camera from same brand as the microscope"" Question: This is also function which is not common on research microscopes, and many important microscopes producers do not have. Please consider possibility to remove this sentence.

Answer 3:

There is no need for the button for capturing images at the microscope, but it is important that camera and microscope are made by the same manufacturer to ensure compatibility and full functionality.

Question 4:

For Lot8: Technical specification line 1 ""Upgrade of motorized items at the microscope (Nosepiece, Stage, Fluorescence), Laser Confocal Microscopy "" Question: Except motorized stage, all other functions require a lot of work on field and exchange significant number of parts that is absolutely no sense to do upgrade later. Please consider possibility to remove this sentence.

Answer 4:

We understand the point of the potential bidder, but it is extremely important that the options for the upgrade remain since the microscope will be used in future research projects which may demand stated options to be implemented.

Question 5:

For Lot8: Technical specification line 3 ""Cross travel: min. 78(x) x 54(Y)"" Question: Is it possible to offer cross travel in range 75x50mm? This is small difference which is not important for work, and this is usual value for modern microscopes.

Answer 5:

The suggested cross travel is acceptable since there is no big difference from the specified one.

Question 6:

For Lot8: Technical specification line 4 ""Inclination angle: min. 10-30° at same time tube extension up to 40mm, Beam split: 100/0 50/50"" Question: ""Can we offer: tubes with constant ergonomic angel of 20° but extension in vertical and horizontal direction (there is a lot of studies which presented that tube angle of 20 ° is the most agronomical position to work on microscope and extension in horizontal and vertical direction allows to be adapted for all users). Beam splitter 50:50 is sufficient for modern microscopes and modern cameras (there is enough light for observer on eyepiece and camera).""

Answer 6:

We can not accept this suggestion since adjustable inclination angle is intrinsic property of the ergonomic tubes.

Question 7:

For Lot8: Technical specification line 8 ""Plan Fluor 10x with min. N.A 0.30 and min. W.D 16.0 mm"" Question: Is allowed to offer objective with same magnification and N.A. but with W.D of 5mm? This working distance is enough to do all activates on microscopes.

Answer 7:

Minimum acceptable WD is 10 mm.

Question 8:

For Lot8: Technical specification line 8 ""Plan Fluor 20x with min. N.A 0.50 and min. W.D 2.1mm, spring-loaded"" Question: Is allowed to offer objective with same magnification and N.A. but with W.D of 2,1mm? This is small difference which is not important.

Answer 8:

We assume that potential bidder is asking whether W.D. of 2.0 and not 2.1 is acceptable. This is insignificant difference and it is acceptable for us.

Question 9:

For Lot8: Technical specification line 8 ""Plan Apochromat 40x dry with min. N.A 0.95, min. W.D 0.21 mm, Cover glass correction from minimum 0.11-0.23 mm, Spring-loaded"" Question: Is allowed to offer objective with same magnification and N.A but with cover glass correction from 0,13-0,21mm.

Answer 9:

Cover glass correction from 0.13-0.21 mm is acceptable for us.

Question 10:

For Lot8: Technical specification line 8 ""Plan Apochromat 60x or 63x dry with min. N.A 0.95, min. W.D 0.15mm, Cover glass correction from minimum 0.11-0.23 mm, Spring-loaded"" Question: Is allowed to offer objective Plan Floutar with same magnification and N.A but with cover glass correction from 0,13-0,21mm?

Answer 10:

Cover glass correction from 0.13-0.21 mm is acceptable for us.

Question 11:

For Lot8: For questions related to objectives please consider that only one producer can fulfill the requested technical specification, therefore please accept our clarifications.

Answer 11:

Based on the previous answers the objective specifications were changed.

Question 12:

For Lot8: Technical specification line 10 "MICROSCOPY DIGITAL CAMERA AND SOFTWARE" Question: Is it allowed to offer microscope camera with slightly lower number of pixels (5 Megapixel), but with bigger diagonal? In microscopy number of pixel is not so important criteria (important are: sensitivity, dynamic range, size of image sensor...). "

Answer 12:

Only the camera with the specified or more than specified number of pixels is acceptable for us.

Question 13:

For Lot8: Line 1 "Minimum zoom ratio: 12.7 : 1; • Zoom range: 0.63-8x " Question: Is allowed to offer stereomicroscope with slightly lower zoom range 12,5 : 1 but with higher starting magnification (0,8-10x) , allows bigger magnification with standard 1x objective?

Answer 13:

Minimum zoom ratio must be 12.7:1 and starting magnification of max 0.7x.

Question 14:

For Lot8: Line 4 "Plan Apo objective with 1x magnification, Working Distance of minimum 70mm • Plan objective 1.5x magnification, Working Distance of minimum 44mm" Question: Can we offer: Plan Apo 1x working distance 60mm; Plan Apo 1,5x working distance 30mm?

Answer 14:

Plan Apo objective with 1x magnification needs to have at least 61 mm working distance and objective of 1.5x magnification needs to have larger working distance than 30 mm.

Question 15:

For Lot8: Line 9 ""Stage for X and Y Minimum travel range: 150mm x 65mm"" Question: Is it allowed to offer gliding stage with travel range of 110 x110 mm. Gliding stage is recommended solution for stereomicroscopes.

Answer 15:

It is possible to offer travel stage suggested by the potential bidder.

Question 16:

For Lot8: Line 10 ""MICROSCOPY DIGITAL CAMERA AND SOFTWARE"" Question: Is it allowed to offer microscope camera with slightly lower number of pixels (5 Megapixel), but with bigger diagonal? In stereomicroscopy number of pixel is not so important criteria (important are: sensitivity, dynamic range, size of image sensor...). "

Answer 16:

It is no acceptable.

Question 17:

For Lot8: Technical specification line 1 ""o Infinite plan objective; - 4X/0.1, WD 18mm; - 10X/0.25, WD 10mm; - 20X/0.4, WD 5.1mm; - 40X/0.6, WD 2.6mm; o Infinite plan phase objective - PH10X/0.25, WD 10mm - PH20X/0.4, WD 10mm"" Question: Please clarify if you also accept: Infinite plan objective - 5X/0.15, WD 11.7mm - 10X/0.25, WD 8.5mm - 20X/0.35, WD 4.9mm - 40X/0.55, WD 2.3mm o Infinite plan phase objective - PH10X/0.25, WD 8.5mm - PH20X/0.35, WD 4.9mm

Answer 17:

We accept suggested specifications.

Question 18:

For Lot8: Technical specification line 5 ""Plain stage 160*250mm"". Question: Please clarify if you also accept: Plain stage 232*230mm. "

Answer 18:

It is acceptable.

Question 19:

For Lot8: Line 1 "" Total possible magnification: 3.35-300x; Interpupillary distance adjustment: 52-75mm "" Question: Please clarify if you also accept: Total possible magnification: 1.9x-250x ; Interpupillary distance adjustment: 55-75mm

Answer 19:

Suggested interpupillary distance adjustment 55-75 mm is acceptable for us, but total possible magnification should be at least 300x.

Question 20:

For Lot8: Line 2 "" Build-in objective with 1x magnification with Working Distance of minimum 115mm"" Question: Please clarify if you also accept: Build-in objective with 1x magnification with Working Distance of minimum 92mm

Answer 20:

Working distance should be at least 115 mm.

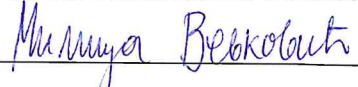
Question 21:

Line 5: ""Microscopy Digital Camera (CMOS) with at least 5 megapixel (min. 2592x1944 pixels)."" Question: Please clarify if you also accept: Microscopy Digital Camera (CMOS) with at least 5 megapixel (min. 2560x1920 pixels). "

Answer 21:

Suggested camera is also acceptable.

Public Procurement Committee


Milica Veljković