

**PROCUREMENT OF EQUIPMENT FOR BIOSENSE INSTITUTE IN  
NOVI SAD, SERBIA  
(PROCUREMENT NO. IOP/58-2021/RD)**

Clarification no. 8

Issued on May 24, 2022

Regarding the list of questions that the Purchaser, Public Investment Management Office Belgrade, No. 11 Nemanjina street, has received from the potential bidders, concerning the procurement procedure: Equipment for Biosense Institute in Novi Sad, Serbia no. IOP/58-2021/RD, we give you the following answers:

**Question 1:**

Lot. 15 – Item 1

1.7 “At the back of the fume hood there should be one compressed air faucet.”

Are you talking about the compressed air gas valve? Generally, we put the air valve on the left and right columns of the fume hood, please see the picture on the right.

1.8 “On top panel there should be electric cabinet with motor protection for the ventilator, three-pole switch 25A, light signalization”

Can you show the picture for reference?

**Answer 1:**

1.7 Gas valve is acceptable.

1.8 The description clearly states what the technical requirement is.

**Question 2:**

Lot. 15 – Item 2

2.6 “Exhaust air must be double-filtered through high-quality HEPA filters with typical efficiency of 99.999% for 0.3 um particles.”

Efficiency of 99.999% for 0.12 um particles it's ok?

2.12 “Delivery time: Within 3 months”

This refers to the time from placing an order to receiving the goods? We're not sure now, since we have to consider the shipping time as well. But please consider the production takes us 35-40 days.

**Answer 2:**

2.6 It is acceptable that the efficiency of 99.999% is for 0.12 um particles.

2.12 Yes.

**Question 3:**

Lot. 15 – Item 3

3.4 “Three-layer sandwich construction; from outside to inside: steel with epoxy protection, fire-resistant layer, panel for shelf mounting”

Double-layer construction. Can you accept it?

3.5 “Ventilation exhaust Ø75, quickly put into operation”

Generally, we make the ventilation exhaust Ø110mm or Ø160mm.

3.8 “It should include ventilation system for full capacity utilization of Safety Storage Cabinet. Ventilator capacity should be between 60-250 m<sup>3</sup>/h, with ventilation connector Ø75, and power 0,09 kW. Supply voltage 230 V.”

“We cannot directly determine whether a correct blower is used in a customer's laboratory based on the information provided, and we cannot guarantee that the ventilation system will work. Please share the floor plan to show the position of the chemical storage cabinet and blower, also the duct path, etc, so we can check the suitable ventilation system, then we know the capacity, power, etc.”

**Answer 3:**

3.4 The requirement is for the three-layer sandwich construction, as described.

3.5 It is important that the ventilation exhaust is Ø75.

3.8 We cannot provide you with the floor plans, or the exact duct path since the ventilation plan is being synchronized with the rest of the installations in the building which are being installed at this time. The vertical distance to the roof is about 16 m. We have provided the technical information that should be sufficient to make a responsive bid.

**Question 4:**

Lot. 15 – Item 4

3.5 “The front window sash doors should be designed in such a way that they do not, when fully raised, exceed the maximum height of the fume cupboard 2700 mm. The lower part of the window-door should have horizontal sliding windows.”

Can you accept the lower height 2350mm? Then when fully raised, exceed the maximum height of the fume cupboard 2700 mm. Can you accept a vertical sliding window?"

3.8 "The supporting metal frames of the tables should be connected by 4 legs with cross bars.

The supporting frames should be made of steel profiles (60/25/2 mm), with a load capacity of 200 kg / m<sup>2</sup>.

All welds should be polished, smooth, with no bumps or openings. The surface should be coated with epoxy-coated powder, the thickness of the layer should be about 80 µm. The feet should have height adjustable feet"

Please share a picture for reference.

3.16 "worktop 1 x stoneware worktop 2050 x 708 x 26/33 mm with raised edge on all sides 1 x sink of stoneware 400 X 400 X 250 mm"

Are you looking for the Marble worktop?

#### **Answer 4:**

3.5 It cannot exceed 2700 mm. Vertical sliding windows are not accepted.

3.8 The description clearly states what the technical requirement is.

3.16 It does not necessarily need to be marble worktop. The description clearly states what the technical requirement is.

#### **Question 5:**

Lot. 15 – Item 5

5.4 "The rear wall of the internal work area should be constructed as a "double wall" with built-in channels for heavy fumes that may eventually be collected at the corners of the worktop. The part of the double wall facing the inner work area should be made of polypropylene." Whether the whole body of this fume hood is made of PP material? But it's not a "double wall".

5.8 "The supporting metal frames of the tables should be connected by 4 legs with cross bars.

The supporting frames should be made of steel profiles (60/25/2 mm), with a load capacity of 200 kg / m<sup>2</sup>.

All welds should be polished, smooth, with no bumps or openings. The surface should be coated with epoxy-coated powder, the thickness of the layer should be about 80 µm. The feet should have height adjustable feet"

Please share the picture for reference.

**Answer 5:**

5.4 The description clearly states what the technical requirement is.

5.8 The description clearly states what the technical requirement is.

**Question 6:**

Lot. 15 – Item 6

6.9 “Interior lighting should be a minimum of 400 lux. The lamp should be energy saver type. The lamp base should be designed in such a way that it is at the same time a safety pressure relief for the shock wave in the event of an explosion in the work area.”

We generally use 30W LED lighting, it's ok?

6.16 “Fume cupboards No: 2 and No:3 will stand side-by-side and should have open space in the wall between them. Open space should have dimension width 300 mm x height 400 mm, placed above worktop zone.”

Please directly show us the picture for reference

6.17 “Main ventilator: plastic, acid proof, centrifugal fan. Minimum capacity: 1300 m<sup>3</sup>/h”

For the material of the fan, we usually use Fiber Reinforced Plastics (FRP). The glass fiber reinforced plastic fan has the characteristics of good air performance, light weight, high specific strength, good corrosion resistance, not easy to age, and low noise, etc. , it's ok?

Furthermore, I kindly ask for a two-week extension of bid submission deadline (currently 30/05/2022 11:00 a.m.).

**Answer 6:**

6.9 Yes, provided it satisfies the required minimum of 400 lux.

6.16 The description clearly states what the technical requirement is.

6.17 Yes, as long as it satisfies the other requirements: plastic, acid proof, etc.

Additional time for bid submission is not justified.

**Question 7:**

Dear Sirs,

we noticed that you haven't specified for PVD system following items:

Point 4: you are asking following: "" The tool must contain at least two thermal deposition sources, at least two magnetron sputtering sources and at least one e-beam source for deposition of films""

Can you specify which type of thermal deposition source you would like to have - thermal boat or effusion cell?

Can you specify also more specific which type of e-beam source you would like to have:

Something like this:

<https://www.createc.de/index.php?index=1&menuid=28&lng=de&id=60>

or this:

<https://telemark.com/electron-beam-sources/single-pocket-sources/>

**Answer 7:**

Thermal boat is preferred as a TD source.

The second source is preferred.

We note here, however, that any bid that meets the technical requirements will be considered as responsive.

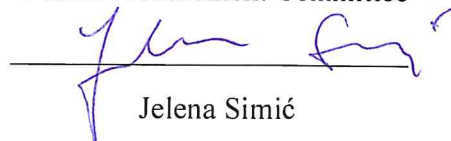
**Question 8:**

Also, can you clarify if we need to submit bank warranty for this LOT5 or just Bid Security Declaration?

**Answer 8:**

A Bid Securing Declaration is required, pursuant to ITB 21.1.

Public Procurement Committee



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