

Regarding the request for additional clarifications of the tender dossier for the procurement: **Procurement of Works on the Construction of Apartment Buildings**, number: **RHP-W4-AB/IOP1-2016**, we submit the following answers:

**Question 1:**

(Filed under number 14446 dated 14.12.2016.)

Page 11 of 71 of the tender dossier states the conditions which the tenderers should fulfil within the section 1.1.1. Overview of the tenderer's personnel. These information must be submitted in forms from Volume 1, Section 4. Tender Dossier, and to contain:

- A presentation of the tenderer's staff, including the total number of staff employed (Form 4.6.1.1), followed by certificates of mandatory social insurance (excerpt from the Central Registry);

Is it enough for the tenderer to submit only the certificates of mandatory social insurance (M form) or does he have to cumulatively submit excerpt from the Central Registry and the certificates of mandatory social insurance?

**Answer 1:**

Purchaser will consider stated condition filled if Bidder submits certificates of mandatory social insurance or excerpt from the Central Registry.

**Question 2:**

(Filed under number 14446 dated 14.12.2016.)

In the description of the position number 2/1.4.2 from the Bill of Works of Masonry works for the walls of gas concrete blocks of thickness 20cm, we noticed that the measuring units within the same position differ in part of position description (m3) from the part in amounts "measuring units" (m2). We mention that with all the facilities from LOT 1 this difference is present. Please define according to which unit this calculation shall be done?

**Answer 2:**

In facilities in Lot 1 and Lot 2 are walls of gas concrete blocks thickness 20 cm and 25cm. Walls thickness 20 cm calculation should be done in m2. Measuring unit of the position is 1.4.2 m2. In accordance with above mentioned Bidding documents is modified.

**Question 3:**

(Filed under number 14446 dated 14.12.2016.)

In section insulation (LOT 1) there is a discrepancy between the dimensions and physics units in the description of positions from the Bill of Works on one side and the dimensions and units of construction physics from the design documentation on the other side (Example 1 – Facility in Užice, position 6/1.5.6. In the description of the position stands that the thickness of mineral wool panel marked Y31 is 3cm which does not comply with the condition in the design documentation where the thickness of the panel with the same mark is 8cm. We mention that this discrepancy is present with all facilities from LOT 1.

Example 2 – Facility in Užice, position 9/1.5.9. In the description, there is a mark of the construction physics MKT which is not compliant with the condition in the design documentation where for the same position there is a mark PK1).

Please harmonize all mentioned differences so that an adequate tender can be submitted.

**Answer 3:**

These are the concrete walls towards non-heated rooms and halls. Walls are to be covered by mineral wool of 3cm thickness and Multipor panels of 5 cm thickness. Multipor panels are thermal insulation panels so in the study of energy efficiency thermal is calculated of 8cm. System of setting the Multipor panels is by masonry works so that the position is in the masonry works. Those are the positions:

1.4.3. Coating interior concrete walls (in project signed as UZ 1, UZ 3 and UZ 5) with mineral thermal panels (multipor) or similar  $d=5$  cm. Attach panels with anchors.

Remark: The work should be carried out skillfully and precisely, where plastering is not necessary after this, but directly faired with prepared mixture, layer of 5 mm thickness max.

1.5.6. Installation of thermal insulation of interior walls, towards the hallway and stairwell space performed with mineral wool panels  $d= 3$  cm, density

$\rho= 70-90\text{kg/m}^3$  set between concrete wall and thermo-mineral insulation.

Calculation per  $\text{m}^2$  of the fully executed work.

Identification in the project UZ1

Facility In Užice has flat roof covered with greenery, position number 9/1.5.9. is the excess.

In accordance with above mentioned Bidding documents is modified.

**Question 4:**

(Filed under number 14447 dated 14.12.2016.)

Is it possible to obtain the design documentation in Dwg format (bases of all installations – version 2010)?

**Answer 4:**

It is not possible to submit the design documentation in the mentioned format to the potential tenderers.

**Question 5:**

(Filed under number 14534 dated 15.12.2016.)

In the description of the position number 3/1.13.3 from the Bill of works for Facade works for the position completing of the window-jambas “ETICS” facade it is seen that the measuring units in the same position differ in part of the position description ( $\text{m}^2$ ) from the part in column “measuring units” ( $\text{m}^1$ ). We mention that this difference is present with all facilities LOT – 1.

Please define per which measuring unit the calculation of this position shall be done?

**Answer 5:**

Calculation of the position is done per  $\text{m}^1$ .

In accordance with above mentioned Bidding documents is modified.

**Question 6:**

(Filed under number 14534 dated 15.12.2016.)

By insight into the tender dossier (for the facility in Užice and for other facilities from LOT 1) we noticed that in the position number 3/1.4.3 from the Bill of masonry works for coating interior concrete walls with mineral thermal panels (multipor), where plastering is not necessary after this, but directly faired with prepared mixture, layer of 5 mm thickness max, without fiberglass mesh tape or bandage strips on joints of the panels, as well as that between the concrete walls and the multipor panels, mineral wool of 3cm thickness is foreseen, and that no appropriate sub construction is foreseen, which would stop the panels

moving on the concrete walls. This would cause the plaster to break and create crevices on all joints of panels as well as the crevices where two walls are joint.

We suggest you to make an addendum to this tender dossier in the Bill of works for the abovementioned positions:

Add description for the fiberglass mesh tape

Add description for the bandage strips on joints,

Add description for the construction of the sub construction between the walls.

**Answer 6:**

A change of the position is done and fiberglass mesh embedded in adhesive for mineral thermal panels is added.

Modified description states:

Coating interior concrete walls (in project signed as: Y3 1, Y3 3 and Φ3 3) with mineral thermal panels (multipor) or similar. Thickness d-5 cm. Mineral thermal board set over a hard pressed mineral wool. Ytong Multipor light mortar apply over full surface (100%) of mineral thermal panel with toothed towel. In order to cover the surface evenly with mortar next board should be placed 15 cm from previous and that leaned to the board. Ytong Multipor insulation boards must be fastened additionally boards must be fastened additionally with suitable anchors (steel screw – fire resistant) 1 piece / board. Apply Multipor light mortar for reinforcement glass fiber mesh (alkaliresistant, 145-160g/m) into light mortar. Apply secondary layer of light mortar. The total thickness of the light mortar glue with the mesh is 5mm maximum. Finicsh the construction with plaster or paint, if necessary.

In accordance with above mentioned Bidding documents is modified.

**Question 7:**

(Filed under number 14534 dated 15.12.2016.)

By insight into the tender dossier for the facility in Užice we noticed that works are missing which are in the description of the position number 11/1.5.11. from the Bill of insulation works, for the position of setting the ter parties over the boarding the roof and gutters,

Please explain whether these works exist in the design documentation or should they be executed, in which position to include them?

**Answer 7:**

This position is cancelled. Position should not be executed considering that in Užice a flat roof is foreseen. In accordance with above mentioned Bidding documents is modified.

**Question 8:**

(Filed under number 14534 dated 15.12.2016.)

In all positions for light domes, the descriptions state that the dome should be of dimensions of 90\*90cm which must own the certificate and have the mechanism for removing smoke and exiting to the roof.

Considering that we obtained the information from the supplier that the minimal dimension of the dome which possesses a certificate is 100\*100cm and that on the same dome the mechanism can be either for removing smoke or exiting to the roof (there are no mechanisms which can satisfy both on the same dome). Please adapt this position to the possibilities of supplying this dome at the market.

**Answer 8:**

The change of this position is done and foresees the window which will only have the function of exiting to the roof.

Modified description states:

Flat roof access dome window. It consists of acrylic dome. An opening mechanism coprise two springs. The height of teaching wreath 30cm, must be processed (isolate) teaching wreath after installation so as to

prevent water leakage into the building. It is necessary to attach all the necessary approvals. Dimensions 90x90 cm.

In accordance with above mentioned Bidding documents is modified.

**Question 9:**

(Filed under number 14534 dated 15.12.2016.)

For the positions of flat roof (facilities Arilje, Bor, Kladovo, Loznica and Užice) it is necessary to define:

Explain – determine the type of anti-root membrane,

Define the drainage layer of 2.5cm,

Explain what “green substrate” of 7-12cm

Explain measure for SEDUM, (what does 7cm mean, whether it is the diameter of seedlings of SEDUM?)

How much SEDUM are there per meter square of the roof?

What is the density of planting?

**Answer 9:**

Anti-root membrane is from black LD polyethylene film which is foreseen for preventing the roots to penetrate to green roofs. Drainage layer is two-way drainage and reservoir panel made of compressed recycled polystyrene. Substratum (d=12cm) composed in relation 1/3 mineral components (perlite or vermiculite) and 2/3 of organic matter (humus substrate). Regarding the plants (Sedum) 7cm is the diameter of the planting pot, and planting density is 36kom/m<sup>2</sup>.

Modifications made are given in refined text, Corrigendum 1 which will be delivered to bidders who purchased bidding documentation.

All other terms and conditions of the Bidding document remain unchanged.

The above amendments are integral part of the Bidding document.

**Procurement Committee**