

AGGREGATED LIST OF RECEIVED QUESTIONS AND ANSWERS
BIH/ITB-019-21 - LED public street lighting in Ferhadija & Marsala Tita street, Sarajevo

QUESTION 1

Regarding Your procurement BIH/ITB/019/21 for LED public street lighting in Ferhadija and Marsala Tita street, Sarajevo, we are having ambiguities in terms of understanding some parts of requirements.

1. Pole description

The documentation You provided for Pole1 and Pole2 says:

Conical column 8 m high. The specified height refers to the height of the column to the beginning of the sharp end of the column.

The column has a sharp end which is 1.4m-1.5 m long. The diameter of the column at the place of installation of the sharp end should be 55-70mm.

3 lights each and type SV6 are mounted on a pole, just below/above the other. Mounting height of the middle light on the pole is 6m. The lights are rotated by 120° in space. The angle of the conical inclination of the column must correspond to the factory adapter for mounting of the lights, thus creating a smooth surface. The pole comes with pre-prepared holes for the passage of the cables into the lights and openings for mounting of the light adapter.

The pole is installed on the previously prepared foundation and anchors, in the position according to the project documentation. The price must include the connection of the pole to the existing earthing.

Pole2:

Conical column 8 m high. The specified height refers to the height of the column to the beginning of the sharp end of the column.

The pole has a sharp end which is 1.4m - 1.5m long. The diameter of the column at the installation site of the sharp end should be 55-70mm.

The pole is installed on previously prepared foundation and anchors, in the position according to the project documentation, and primarily serves to lay the primary ropes.

The secondary purpose of the poles is to place a light/reflector type SV8 from this bill of quantities. The price must include the connection of the pole to the existing earthing.

Can you please clarify us what is meant by The column has a sharp end which is 1.4m-1.5 m long?

ANSWER 1

The description you referred to means that „sharp end“ has conical shape, the base is a circle with diameter 55mm-70mm, and length (from the base to the apex) is 1.4m-1.5m. „Sharp end“ should be mounted on the top of the pole, where the diameter of the pole top is 55mm-70mm, as well.

QUESTION 2

Can you provide us with the pole drawing?

ANSWER 2

The description of items pertaining to the poles provides basic information about the design of the poles (height, length, diameter, heights at which luminaires are to be mounted, etc.) which we believe are sufficient for the assembly of the Offer.

In order to maintain the transparency and competitiveness of the process, detailed drawings of the poles are not provided.

QUESTION 3

In the Civil works part, You have stated:

The potential contractor must review the project documentation, and visit all positions of primary tension 1 - 44, and secondary suspension.

Can You please clarify whether the visit is mandatory?

ANSWER 3

Site visit is NOT mandatory.

QUESTION 4

The number of lamps in the bill of quantities and in the power balance in Annex D-01 does not match. It is necessary to harmonize.

ANSWER 4

The potential bidder's remark was accepted.

Corrections are given as part of the revised version of the technical documentation (Annex D-01). After the publication, the corrected documentation will be sent to you directly.

QUESTION 5

Mounting details and lyre layout for SV5 lamp not provided. Please submit the same so that the price of the lira can be included in the offer.

ANSWER 5

In the case of the said TYPE SV5 luminaire, the description of the item in the bill of quantities (Annex I_BoQ) clearly states that:

- The design of the lamp must be the same as for the SV4 lamp because they are placed in the immediate vicinity;
- The price of the lamp should include a lyre 100 cm long;
- Lyre and lamp factory-prepared without stepped transitions.

QUESTION 6

In Annex G-01, 23 pieces of the SV2 lamp are drawn, and 25 pieces are listed in the bill of quantities. It is necessary to harmonize so that some Bidders would not offer 25 pieces of SV2 at a price of 23 pieces and thus gain an advantage over the competition.

ANSWER 6

The potential bidder's remark was accepted. The required quantity of SV2 lamps is 25 pieces, as indicated in the bill of quantities (Annex I_BoQ).

Corrections are given as part of the revised version of the technical documentation (Annex G-01). After the publication, the corrected documentation will be sent to you directly.

QUESTION 7

For item S10, the angle of light is not defined in the bill of quantities, only the "narrow beam" is specified. It is necessary to define and determine the allowed deviations.

ANSWER 7

The potential bidder's remark was accepted, so that part of the item description now reads "Angle of light: narrow beam 6 ° - 10 °", as stated in the bill of quantities (Annex I_BoQ).

Corrections are given as part of the revised version of the technical documentation (Annex I_BoQ). After the publication, the corrected documentation will be sent to you directly.

QUESTION 8

Does the required column height of 8 m refer to the height from the base to the top of the sharp end of the column or to the point where the sharp end joins the rest of the column? The question applies to both pillars.

ANSWER 8

The characteristics for the required columns PILLAR 1 and PILLAR 2, defined in the previously published Bill of Quantities (Annex I - BoQ) as: "Conical column with a total height of 8 m."

Corrections are given as part of the revised version of the technical documentation (Annex I_BoQ). After the publication, the corrected documentation will be sent to you directly.

QUESTION 9

In the Excerpt from the technical documentation in the section Classification of roads (page 3) it is stated that class M2 is determined for the road, and class P1 for both pedestrian zones. However, in Annex 1, on page 9, a calculation was made in which classes P2 were taken for pedestrian zones, and not P1 as stated. The luminaires specified in this way do NOT meet the requirements for class P1, so it is necessary to either change the class in the technical documentation or increase the power of lighting fixtures, and their descriptions in accordance with the budget.

ANSWER 9

The potential bidder's remark was accepted. Pedestrian zones are calculated according to class P2, so that the accompanying document (JR Sarajevo - Excerpt) is harmonized with the budget. The bill of quantities (Annex I_BoQ) in this part of the specification and description remains unchanged.

Corrections were given as part of the corrected version of the technical documentation (JR Sarajevo - Excerpt). After the publication, the corrected documentation will be sent to you directly.

QUESTION 10

It is a common practice of electrical designers to use a maintenance factor of 0.8 for LED lamps in the calculations. Why is a maintenance factor of 0.9 used in Appendix 1 (photometric calculation)? Are bidders also allowed to use the same maintenance factor when creating their own budgets?

ANSWER 10

The value of the maintenance factor of 0.9 was selected by the designer in accordance with the assessed lighting situation. The potential bidder is required to use the same value of the maintenance factor for its calculations.

QUESTION 11

The Photometric calculation for Ferhadija Street was not submitted in the Excerpt from the technical documentation, and it is not possible to determine whether the luminaire from the bill of quantities meets the requirements of the described class P1. Please submit the appropriate budgets for Ferhadija Street as well.

ANSWER 11

The potential bidder's remark is accepted. The missing part of the presentation of the budget results for Ferhadija Street was added as part of the corrected version of the technical documentation (document "JR Sarajevo - Excerpt"). After the publication, the corrected documentation will be sent to you directly.

QUESTION 12

On the basis of what are the light distributions (angle of light) of lamps for illuminating architectural details on facades (wallwash / graze / spotlight) determined? What are the allowed deviations from the specified parameters? No budget was provided to the bidders to prove that the specified equipment was in fact suitable for this purpose. Eg. it is possible to obtain the same effect with spotlight lamps of a narrower or wider beam of light if the secondary suspension cables move away or closer to the object being illuminated. This part needs to be defined more precisely because it can be very well used to eliminate Bidders who offer an appropriate solution.

ANSWER 12

In the case of luminaires that illuminate architectural details, NO DEVIATION is allowed from the parameters specified in the project.

Light distributions (angle of light) of lamps for lighting architectural details on facades (wallwash / graze / spotlight) are selected by the designer in accordance with the design task, assessed lighting situation, and based on the conceptual solution: two parallel lighting systems: the functional one that illuminates the horizontal surface of the street, precisely oriented and energy efficient, and the decorative one that reveals the beauty of the architecture of vertical surfaces, facades and details), and the architectural project, projects of other phases, and the experience of designers on such or similar objects.

There is no secondary suspension in the project. All suspensions are primary.

The positions of the suspension are precisely defined and can be determined according to the draft given as an attachment (EJ-01 - Electrical installations of outdoor lighting of Marshal Tito Street) within the corrected version of the technical documentation (document "JR Sarajevo - Excerpt"). After the publication, the corrected documentation will be sent to you directly.

QUESTION 13

In Appendix G-01, the legend uses a light color of 4000 K for the SV1 and SV8 lamps, while the light color of 3000 K is used in the bill of quantities. What is correct? It is necessary to harmonize the documentation so that there is no confusion with the Bidder.

ANSWER 13

The potential bidder's remark was accepted. The color of the light for all types of lamps required, including SV1 and SV8, should be 3000K.

Corrections are given as part of the revised version of the technical documentation (Annex G-01). After the publication, the corrected documentation will be sent to you directly.

QUESTION 14

In Section 3. Bid Data Sheet is written that Language of the Bid is English. Is it possible to submit the following documentation in Bosnian:

- License/professional examination certificate for Electrical engineer, License/professional examination certificate for Civil engineer, contracts of similar nature and complexity implemented;
- Registration of the business, including Articles of Incorporation, or equivalent document if Bidder is not a corporation;
- Latest Business Registration Certificate;
- Quality Certificate (e.g., ISO, etc.) and/or other similar certificates, accreditations, awards and citations received by the Bidder;
- Original Tax Administration Excerpt confirming contributions paid for the min. requested number of full-time employees for at least three-month period, not older than one month, for companies registered in BiH. The excerpt must attain the certified list of employees;
- Local Government permit to locate and operate in assignment location;
- Reference list and purchasers' recommendation letters indicating the value and terms of the completed projects;
- Professional exam certificate for graduated electrical and civil engineer;
- Balance sheets?

ANSWER 14

Documentation referenced in your question does not have to be translated into English.