



Finance Contract:	SERBIAN INLAND WATERWAY INFRASTRUCTURE Finance Contract between the Republic of Serbia and European Investment Bank (Official Gazette of the Republic of Serbia - International Contracts No. 02/2019)
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Clarification No.8 to TD

Vol. 4 – Section 2.1 – BoQ per items

- **Item 15: ICT network and inside installations – 5.19 IP PBX home office with 100 connections. Procurement, transport and installation, heavy current (high voltage)**

QUESTIONS	ANSWERS
Question No 1 Are 6 separate centrals planned?	Answer No 1 Yes, the 6 IP PBX centrals are planned - for each object in the first phase separately (Ministry of Internal Affairs, Customs, Administrative building, Shipbuilding, Control of the car entrance and Control of the railway entrance). It is also possible to have solution with at least 3 centrals (Ministry of Internal Affairs, Customs and Administrative building), and then in that case other objects are connected to the Administrative building.
Question No 2 Are there regular lines at the entrance or not?	Answer No 2 Yes, they are connected to regular telephone DSL cables for outdoor installation, and in indoor home installation are used FTP cables cat 6 for structured cabling



Question No 3 How many lines are there?	Answer No 3 A total of 100x2 for the public TC network is planned. 80x2 ends in the Administration building, and 10x2 in the Ministry of Internal Affairs and Customs. All other locations are connected via the cabinet RO-0 in the Administration Building, and according to the connection scheme of copper outdoor TK cables.
Question No 4 Are they all IP or is there a desire for analog phones?	Answer No 4 It is necessary to plan at each location a minimum of 2 analog lines for possible analog cross connections (sirens, etc.).
Question No 5 Since none of phones are listed, do they already have some or will they just procure them?	Answer No 5 It will be necessary to procure new telephones that are adequate to the type of IP PBX central and the number of employees who use this type of telephone connections
Question No 6 Whether the existing TS is being relocated at the spot of the TS4?	Answer No 6 TS 4 are new (future) Transformer station. Existing one is supposed to be relocated close to movable crane path.
Question No 7 Do you have the intended lengths of the TS power cable or have you covered the footage through the PP00 cables?	Answer No 7 The length of the PP00 cables is given indicatively in the Construction Permit Design. The Contractor shall develop the Construction Design.
Question No 8 Do you have a TS block specification?	Answer No 8 TS specification is given in the Technical Description and the Technical Conditions.
Question No 9 What is the total length of pipes \varnothing 110?	Answer No 9 The length of the \varnothing 110 pipes is given in the Construction Permit Design, based on the Designer's calculation. The Contractor shall develop the Construction Design. See, also, relevant drawings.



Question No 10 Who is perform excavation of cable and who shall perform backfilling of the same?	Answer No 10 The Contractor is responsible for Method statements for all execution works.
Question No 11 DEA – whether open or closed?	Answer No 11 DEA is foreseen to be container type (outdoor installation) with silencer.
Question No 12 We need the specification of the main board.	Answer No 12 Specification is given in the Technical Description and the Technical Conditions. See, also, relevant drawings.
Question No 13 What are the total lengths of the PNK trays, which installation is in question?	Answer No 13 The length of the PNK trays is given in the Construction Permit Design, based on the Designer's calculation. The Contractor shall develop the Construction Design. See, also, relevant drawings.
Question No 14 Should we also offer electrical equipment and if we need, we need a specification or do you want to be offered based on the scheme?	Answer No 14 All equipment shown in Electrical Design is within the scope of Contractor's works. Specification is given in the Technical Description and the Technical Conditions. See, also, relevant drawings.
Question No 15 In that case, we also need the provided cables for power supply and consumers and lighting N2XH 3x2.5mm and N2XH 3x1.5mm / we need quantities.	Answer No 15 All quantities given in the Technical documentation are provisional (based on the Designer's calculation). The Contractor shall develop the Construction Design.
Question No 16 For lighting in the building, we need types of luminaire and power (in some places it says 18W); we need a BoQ.	Answer No 16 All quantities given in the Technical documentation are provisional (based on the Designer's calculation). The Contractor shall develop the Construction Design.



Question No 17 What is the type of luminaire for a 20m pole?	Answer No 17 The Contractor shall define type of lamp (in accordance with Technical Description and Technical Conditions) within the Construction Design.
Question No 18 Should poles be offered with luminaire?	Answer No 18 Yes.
Question No 19 What is the type of 1000W luminaire, where should be installed, at what height?	Answer No 19 The Contractor shall define type of lamp (in accordance with Technical Description and Technical Conditions) within the Construction Design.
Question No 20 Since there are discrepancies between the Bill of Quantities and the Technical Documentation we received, please clarify which of the two is valid?	Answer No 20 The Bill of Quantities.