

**SCIENCE AND TECHNOLOGY PARK IN NIŠ (STP NIŠ) – NEW BUILDING  
CONSTRUCTION WORKS EXECUTION  
(PROCUREMENT NO. IOP/13-2018/RD)**

**Clarification no. 11**

Issued on June 8, 2018

Regarding the list of question that the Purchaser, Public Investment Management Office Belgrade, No. 11 Nemanjina street, have received from the potential bidders, concerning the procurement procedure: Science and Technology Park in Nis (STP Nis), New building construction works execution no. IOP/13-2018/RD, we give you the following answers:

**Question 1:**

In Tender Documents, page 44. the Form Power of Attorney is envisaged for authorizing the signatory of the Tender, which have to be „authenticated by a competent body (e.g. notary, court, embassies).”

As the Tenderer is Consortium consisting of the legal entities organized as the limited liability companies, founded and with registered offices in the Republic of Serbia, is it necessary for the Power of Attorney to be authenticated by the notary public or is it sufficient that Power of Attorney is signed by the director and stamped? Please clarify!

**Answer 1:**

Form 3.4.3 Power of Attorney stipulates that the Tenderer shall attach here the powers of attorney issued by each participant in the tender, which powers of attorney duly authorized the certain company and the certain person in that company (usually the director of the company) to sign the Tender on behalf of each participant in the tender. According to the Tender Documents, those powers of attorney should be authenticated by a competent body (e.g. public notary, court, embassies).

**ELECTRICAL INSTALLATION:**

**Question 2:**

In Bill of Quantities\_STPNIS\_IOP13-2018RD/ III. 04 Electrical instalations\_ENG type of cables is given as NHXHX & NHXHX-A. This type of cables is not avabile on our market (production is stopped few years ago) and is not available in other countries also. Is it possible to offer N2XH type of cable instead of NHXHX type of cable? Please clarify.

**Answer 2:**

Yes, N2XH can be used instead of NHXHX & NHXHX-A type cable

**Question 3:**

In Bill of Quantities\_STPNIS\_IOP13-2018RD/ III. 04 Electrical instalations\_ENG/ II. MAIN SUPPLY LINE/ A. EXTERNAL WATER EXTERIOR FACILITIES-EXTERNAL/pos. 1.1 & 1.3 cross section of cabels is missing. Please clarify.

**Answer 3:**

For pos 1.1. the cross section of cabels are given in the tender, as well as the lenght of every cross section.

Position 1.3 is related to concrete shafts therefore there are no cable cross sections within this position.

**Question 4:**

In Bill of Quantities\_STPNIS\_IOP13-2018RD/ III. 04 Electrical instalations\_ENG/ IV. INSTALLATION OF CONNECTORS AND LEADS/ pos. 2 / is described as: „Delivery and building in of all necessary basic and auxilliary material and equipment for making of single-phase connection point with installation line NHXHX-Y 3x2,5mm<sup>2</sup> laid in horizontal distribution on racks or pvc canals while in vertical distribution in the wall in installation pipes with delivery and building-in of single-phase connection with protective contact 16A, 230V - doublefolded. The average length of connection point is 10m. Paid completely with all works and material for completely finished item.”

What is to be offered for equipment: “single-phase connection with protective contact 16A, 230V – doublefolded”? Is that “Double two-pole socket-outlet, 16A/250V, 2P+E, protection against touching”? Which is protection level, IP20 or higher? Please clarify.

**Answer 4:**

Yes, standard double outlet, IP20 protection.

**Question 5:**

In Bill of Quantities\_STPNIS\_IOP13-2018RD/ III. 04 Electrical instalations\_ENG/ IV. INSTALLATION OF CONNECTORS AND LEADS/ pos. 3 / is described as: „Delivery and building in of all necessary basic and auxilliary material and equipment for making of single-phase connection point with installation line NHXHX-Y 3x2,5mm<sup>2</sup> laid in horizontal distribution on racks or pvc canals while in vertical distribution in the pvc canals or installation pipes with delivery and building in of single-phase connection with protective contact 16A, 230V - onefolded in IP protection. The average length of connection point is 15m. Paid completely with all works and material for completely finished item.”

What is to be offered for equipment: “single-phase connection with protective contact 16A, 230V – onefolded in IP protection”? Is that “Two-pole socket-outlet, 16A/250V, 2P+E, , protection against touching”? Which is protection level, IP44 or higher? Please clarify.

**Answer 5:**

Yes, standard outlet, IP44 protection.

**Question 6:**

In Bill of Quantities\_STPNIS\_IOP13-2018RD/ III. 04 Electrical instalations\_ENG/ XI -TS 10/0,4KV/ position 10. is described as: „Making of SN connection to the public ED network in all details according to the Technical condituons of "Jugoistok" d.o.o. Niš no. 11657/2 dtd.31.10.2012. Item comprises cutting of the existing cable 10KV type PHP48 3x95mm<sup>2</sup>, making of two cable extensions with new cable type XHE 49-A 3x(1x150mm<sup>2</sup>) 10KV for connection provision according to the system "in-out", excavation and filling in of the cable trench in the III rd category earth dim. 0,8x1,0m.in length of 52m', laying of single core cables type XHE 49-A 1x150mm<sup>2</sup> total length 330m', making of 6 pcs. Of cable endings for internal mounting, laying of PVC shield above the cables and warning tape along the whole length of the cable trench and laying of cable signs for the route on unregulated terrain. Offered price shouldl comprise all the material and work, linking and testing of the connecting SN of the cable line. Paid complete with all the works per m' of the route of SN connection line. Calculation per m' of the route of SN connecting line with two cable. m. 55.“

Please clarify which cable length per meter is to be calculated (description above specifies cable type XHE 49-A 3x(1x150mm<sup>2</sup>) 330m and total lenght at end is 55m.). Also it seems that those drawings in graphic documentation are missing. Please clarify.

**Answer 6:**

This position should be removed. Because of changed conditions of “Jugoistok” Niš it is removed and covered in XIV pos 5.

#### ELECTRICAL INSTALLATION – CONTROL SYSTEM:

##### **Question 7:**

In the detailed design for electrical installations there are no electrical schemas for automation (PLC & Input/output modules). Who should make the detail design for the automation (PLC & I/O)? Should the design of automation part be part of the BoQ?

##### **Answer 7:**

Automation should be included in the bid, based on BoQ from detailed design electrical installation. (X Central Control)

##### **Question 8:**

In the technical description of detailed design electrical installation it is said the detailed description of Control system will be given in the detailed design of Low Voltage –Telecommunications. In the design and BoQ of Low Voltage –Telecommunications there is no specification for Control System. What should be offered for Control system in BoQ Low Voltage –Telecommunications?

##### **Answer 8:**

The offer should be based on BoQ from detailed design electrical installation. (X Central Control)

##### **Question 9:**

In the detailed design of mechanical installations (VI) it is described that WESPER Air handling unit is delivered with built in automation and electrical cabinet. In the mechanical BoQ (VI) there is no item for built in automation and electrical cabinet. Should the automation and electrical cabinet for WESPER AHU be offered with possibility to connect to Central Control system?

##### **Answer 9:**

No, they do not need to be connected to Central Control system.

**Question 10:**

In the detailed design of mechanical installations (VI), page 32, drawing Termička Podstanica, should it be offered the Microprocessor (PLC) which can control complete heating substation, heat pumps and distribution pumps with option to connect to Central Control System to obtain a fully automated functionality?

**Answer 10:**

Yes, heating substation should be connected to Central Control system.

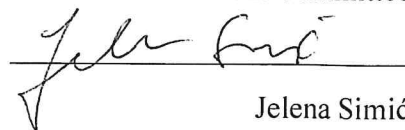
**Question 11:**

In the BoQ of Electrical Installations III.04, (X Central Control, point 3.) the SCADA license with 600 I/O is foreseen. The total number of physical points on PLC is 150. What for are remaining 450 I/O points? Which systems are covered by SCADA Central Control system?

**Answer 11:**

The offer should be based on BoQ from detailed design electrical installation. (X Central Control)

Public Procurement Committee

A handwritten signature in black ink, appearing to read 'Jelena Simić', is written over a horizontal line.

Jelena Simić