




**ΑΤΤΙΚΟ ΜΕΤΡΟ Α.Ε.**

**TITLE OF THE TENDER: “PROCUREMENT AND INSTALLATION OF THE BUILDING AUTOMATION AND CONTROL SYSTEM (BACS) OF PHASE A’ OF THE EXTENSION TO PIRAEUS”**

**RFP-370/19 Α.Σ. 75588**


**CLARIFICATIONS DOCUMENT**

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**CONTENTS**

**CHAPTER A: RESPONSES TO QUESTIONS**

**CHAPTER B: CLARIFICATIONS ON THE TENDER DOCUMENTS**

 <p><b>ΑΤΤΙΚΟ ΜΕΤΡΟ Α.Ε.</b></p>	<p><b>“PROCUREMENT AND INSTALLATION OF THE BUILDING AUTOMATION AND CONTROL SYSTEM (BACS) OF PHASE A’ OF THE EXTENSION TO PIRAEUS”</b></p> <p><b>CLARIFICATIONS DOCUMENT</b></p>	<p><b>RFP-370/19</b></p> <p><b>A.Σ. 75588</b></p>
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This Clarifications Document is issued in accordance with the stipulations in paragraph 9.2 of the Invitation to Tender and incorporates responses to questions submitted.

The content of the Clarifications Document is viewed as an integral part of the Invitation to Tender.

## **CHAPTER A RESPONSES TO QUESTIONS**

### **Question 1**

Kindly confirm that the EBI (server/station) of the OCC should collect and manage the history events of the users in the Station Master Rooms (SMR), as well as the operation of local control stations of the extension. For example, the following information must be available: the user “Station Master 1” activated the “Fire Scenario 1” at 13:30, on 11/1/2019 or that he/she logged-in to the local monitoring station at 13:30, on 11/1/2019. This specific information must be available to the administrators of the system through the EBI application in real time.

### **Response 1**

Confirmed.

### **Question 2**

It is allowed to use built-in switchboards for the installation of PLCs?

### **Response 2**

No, PLCs shall be of the field-type.

### **Question 3**

Is it the Contractor’s obligation to perform scheduling works to incorporate the new stations into the central EBI system at Syntagma?

### **Response 3**

Yes.

### **Question 4**

Should works at the central EBI, at Syntagma, be executed by a personnel trained in the specific EBI system? Could they be executed by experienced engineers with specialized knowledge in other similar systems?

### **Response 4**


See response #6.

### **Question 5**

Should the technical staff to intervene into the EBI system, at Syntagma, and at HC900 controllers be certified by the manufacturing company?

### **Response 5**

See response #6.

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**Question 6**

According to article 15.1 of the document “CONDITIONS OF CONTRACT”, “...*the specialized personnel to be employed in the amendment of the already installed equipment, this personnel must be certified and possess the necessary experience on the subject equipment*”.

- A. Should the related certificates have been issued by the manufacturing companies?
- B. Can ATTIKO METRO S.A. require the submission of the relevant certificates if and should this be deemed necessary, or if the existence of certificates is called into question?
- C. Kindly confirm that the lack of personnel properly certified by the Contractor/economic operator constitutes a reason of disqualification from the Tender.

**Response 6**

See correction B1.1 of Chapter B of this Document.

In line with the aforesaid correction, no certificates are required. However, the Bidders must take into consideration that, during the execution of the Contract, the Contractor must possess capable and experienced personnel, who shall be able to execute successfully the required activities in the central EBI at Syntagma and at HC900 controllers. It is further clarified that, in line with article 26 of the Conditions of Contract, the Contractor shall be responsible for the unobstructed completion of the contract works, while in case of failure, he shall bear the entire expenditure for its restoration along with any additional expenses (delays in the delivery of the supply).

**Question 7**

It is allowed to make use of the spare points of the installed licence of the central EBI system at Syntagma?

- a. If the response is affirmative, how many free points are available?
- b. If the response is negative, is the upgrading-extension of the licence the Contractor’s obligation?

**Response 7**

The response is negative. The use of the spare points of the installed licence of the central EBI system at Syntagma is not allowed.


The extension of the licence constitutes the Contractor’s obligation.

**Question 8**

In paragraph 13.3 of the Invitation to Tender, reference is made to the term “BACS”. Kindly confirm that the term “BACS system” means the system described in paragraph 1.1 of the “Technical Description” document and that the economic operator should possess experience in the design, supply, manufacturing and commissioning of the tunnel ventilation control system, as well as in response and smoke exhaust scenarios in case of fire at stations or tunnels, as well as in the design, manufacturing, supply and commissioning of the Fireman Box.

**Response 8**

The BACS system is the one described in paragraph 1.1 of the document entitled “Design, Performance, Material and Workmanship Specification”.

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**Question 9**

Kindly confirm that the supply of equipment for the modification of the Building Automation and Control Systems (BACS) at the Metro stations in Athens and their connection to the AFC system - OASA can be considered as similar experience, even if it does not include any design, supply, manufacturing and commissioning of the tunnel ventilation control system, as well as in response and smoke exhaust scenarios in case of fire at stations or tunnels.

**Response 9**

In line with article 13.3 of the Invitation, similar experience means the design, procurement, construction and commissioning of at least one building automation and control system (BACS) in a Metro Project with a local and central control.

**Question 10**

Kindly confirm that the installation of local systems at the ground surface of a METRO Station cannot be considered as a similar experience.

**Response 10**

See response #9..

**Question 11**

Kindly confirm that the extension or modification of systems cannot be considered as a similar experience.

**Response 11**

See response #9.



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**CHAPTER B CLARIFICATIONS ON THE TENDER DOCUMENTS**

**B1 CONDITIONS OF CONTRACT**

~~15.1~~ Upon signing the contract, the Contractor shall declare to AM the name of his attorney, the address of his head offices in Athens, as well as the responsible personnel working therein. More specifically as regards the specialized personnel to be employed in the amendment of the already installed equipment, this personnel must be certified and possess the necessary experience on the subject equipment.

**15.1** .....  
within twenty (20) calendar days upon signing of the contract at the latest.