



Thessaloniki, 25/07/2013

OPEN INVITATION TO TENDER
AO/RES/ASAIN/BMS/009/13
‘Building Management System (BMS) –
Delivery, Installation and Supporting Services’

REQUEST FOR CLARIFICATION (2) – QUESTIONS & ANSWERS

Question Nr. 1

Please clarify and confirm the following:

Annex 6 - Future needs Points modules and Field Devices List.

- a. All Heat Meters (cooling & heating energy meters) are required with **pulse output only (no protocol interface requirement)**.
- b. All Volume meters are required with **pulse output only (no protocol interface requirement)**.
- c. **All 9 electrical energy meters are required with Modbus interface RS485 (not M-Bus as reported in the list)**

Cedefop’s clarification to Question Nr. 1

- a. Yes, all heat meters are required with pulse output, no protocol interface is required.
- b. Yes, all volume meters are required with pulse output, no protocol interface is required.
- c. Correct. The list of electrical energy meters as initially listed in column M-Bus, has been re- distributed to columns Mod-Bus and Impulse counter accordingly.

The correct distribution of electrical energy meters is depicted in the attached Annex 6- Corrected Future Needs Point Modules & Field Devices (see Cedefop’s correction, published on our website).

Question Nr. 2

Please clarify and confirm the following:

6.Financial proposal

- a. Required 3 electric energy meters with Modbus Interface (>150A) and 8 electric energy meters with pulse meters (<150A) .
- b. The <Annex 6 Future needs> requires 9 electric energy meters with Modbus Interface . Please clarify the difference .

Cedefop's clarification to Question Nr. 2

- a. The required quantities are the ones shown in Annex H: Financial Proposal i.e item B11: 8 Electric Energy meters impulse counter and 3 Electrical Energy meter, Mod-Bus.
- b. Please see answer 1c above.

Question Nr. 3

Please clarify and confirm the following:

6. Financial proposal

- a. Required 3 Physical conditions water detection and 3 Water Leak Detection level switch .
- b. The <Annex 6 Future needs> requires 3 Physical conditions water detection (Archive, Publication Rooms , Kitchen), 4 Physical conditions level switch (Elevator rooms), 2 Fuel tank leak detection - Level Switches, 1 Water tank level – level switch .
Please clarify the difference .

Cedefop's clarification to Question Nr. 3

- a. The required quantities are the ones shown in Annex H: Financial Proposal i.e item B9: 3 physical conditions water detection and item B13:3 water leak detection level switch.
- b. Annex 6 depicts a future state both in the short run i.e within the 4 years of this tender and in the long run i.e outside the duration of this tender (for the Elevators 2,3,4,5 and Potable Water Network Pressure only), that could be useful for the tenderer to know in the beginning (for a better designing of the proposed system).

Question Nr. 4

Please clarify and confirm the following:

Annex 6 - Future needs Points modules and Field Devices List

AKE location of the following

- a. *OTE Room*
- b. *Public Address*
- c. *Electrical panel in security booth*
- d. *Electrical panel in level 2*
- e. *Electrical panel in level 3*
- f. *Electrical panel in level 4*

Cedefop's clarification to Question Nr. 4

The AKE locations of items a. to f. are as depicted in ANNEX 5-Topology & Drawings Future State and in particular:

For a. OTE Room (room Y.4.8 adjacent to UPS room in basement level): AKE 1 (Electro mechanical BMS drawings Future State Basement R1-Model)

For b. Public Address(room I.3.1 in A-Ground floor): AKE 5 (Electro mechanical BMS drawings Future State Basement R1-Model & Electro mechanical BMS drawings Future State – A Ground Floor-R1-Model)

For c. Electrical panel in security booth: AKE 1 (Electro mechanical BMS drawings Future State Basement R1-Model)

For d. Electrical panel in level 2: AKE 6 (Electro mechanical BMS drawings Future State Basement R1-Model & Electro mechanical BMS drawings Future State – B Ground floor-R1-Model)

For e. Electrical panel in level 3: AKE 6 (Electro mechanical BMS drawings Future State Basement R1-Model & Electro mechanical BMS drawings Future State – A Floor-R1-Model)

For f. Electrical panel in level 4: AKE 6 (Electro mechanical BMS drawings Future State Basement R1-Model & Electro mechanical BMS drawings Future State – B Floor-R1-Model)