



Request for Proposals (RFP)
For the Supply and Installation of Energy Monitoring Equipment - Energy Smart
Mediterranean Schools Networks Project

1st Set of Q&A

September 29th, 2020

Notes to Bidders

Note 1: This document includes five (5) notes to bidders and twelve (12) questions and answers (Q&A) related to the (RFP) for the Supply and Installation of Energy Monitoring Equipment - Energy Smart Mediterranean Schools Networks Project.

Note 2: This document shall be considered as an integrated part of the RFP.

Note 3: Correction to Section C point 23 on page 7 of the RFP: Total of 34 schools NOT 50 schools:
Electrical data will be collected from up to seven (7) schools in Lebanon and thirty-four (34) schools in total in the five (5) partner countries. The data will be automatically collected, stored, processed and published on an online platform that is being developed by GJU in Jordan.

Note 4: Clarification 2 - Correction to point 170 of the RFP: Total of 34 schools NOT 50 schools:
Data will be collected from 34 schools in the 5 partner countries and will be automatically stored, processed and published online.

Note 5: Clarification 3 - Correction to point 171 of the RFP: Total of 34 schools NOT 50 schools:
The software will manage data from 34 remote devices using internet in different time zones.



Question 1

In Amir Shakib Erslan - Mixed Public Secondary School. The main EDL meter is actually connected to three Buildings and a parking area.

- a. The Parking area, is under Beirut municipality management. The EDL meter for the parking has been disconnected and the school connected the parking electrical grid to the school's EDL meter. Shall we connect the parking to the energy monitoring system?*
- b. The middle school is made up of two buildings and the secondary school occupies the third building. The person in charge whom her name is mentioned within the RFP Mrs. Faten Sukkar looks after the middle school. Please advise which buildings shall be connected to the energy monitoring system? These three buildings have separate electricity rooms and are far from each other. Please advise if we shall install one meter per building. If not, which building(s) shall we consider.*

Answer 1

Regarding Amir Shakib Erslan School, please note the following:

- The scope of work is to install one (1) energy meter for the whole facility including the parking and the primary and secondary buildings. The bidders must quote this item as a **required item**.
- The bidders must quote as well the following **optional item**: The installation of energy monitoring equipment only to the two primary school buildings and related facilities (excluding the parking and the building of the secondary school).
- Please refer to Answer 12 for more information on how to present both required and optional financial offers.

Question 2

In Hosh el Omara Public school, there are two EDL electricity meters, providing electricity to two separate parts of the school. Therefore, installing only one meter will count part of the total consumption. Please advise if we shall propose two meters in this case for this site.

Answer 2

Regarding Ecole Officielle Hosh El Omara School, please note the following:

- The scope of work is to install one (1) energy meter.
- The targeted consumption is that related to the 3rd and 4th floors of the building. Accordingly, the scope of work is to install one (1) energy meter related to the consumption of the 3rd and 4th floors. The bidders must quote this item as a **required item**.
- The bidders must quote as well the following **optional item**: the installation of a second energy meter related to the consumption of the 1st and 2nd floors.



- Please refer to Answer 12 for more information on how to present both required and optional financial offers.

Questions 3

Scope of work point 157, you have mentioned that “For each school, the contractor will supply the monitoring systems, equipment, components, software, and will be responsible for all aspects related to the good installation and operation of the components and all remote connections. Since the software where the data will be residing is the GJU housed Online Platform. Q: What software you mean by the above statement?

Answer 3

For each school, the contractor will supply the monitoring system, equipment, components, software, and will be responsible for all aspects related to the good installation and operation of the components and all remote connections. Specifically, if a software is needed for the configuration of the logger and/or any local access to the logged information, then supplying such software will be under the contractor's responsibility.

Question 4

Scope of work point 166. “The remote access to all measurement points should be made available for 20 years without a need for any additional costs or license renewals.” This point is in contradiction with Logger point 178: “Logger shall have sufficiently sized non-volatile memory for programmable onboard data logging for at least three (3) months of data logging at the required number of samples.” Please confirm that the data shall be available for 20 years locally or remotely at each site and it is at the contractor cost to have them available for 20 years.

Answer 4

- Regarding the local storage of data, as per point 178 of the RFP, the logger shall have sufficiently sized non-volatile memory for programmable onboard data logging for at least three (3) months of data logging at the required number of samples. It is not required to log data for 20 years.
- Regarding the **access** to the logged data whether locally or remotely, as per point 166 of the RFP, such access to all measurement points should be made available for 20 years without a need for any additional costs or license renewals.
- It is at the contractor’s cost to make the **access** to data available whether locally or remotely for free over 20 years.



Question 5

Who shall bear the cost of having an internet connection available at each location within the electrical rooms? In other words, who shall connect and pull a cable from the internet switch to the electrical room?

Answer 5

As per points 194 and 195 of the RFP, the access to internet shall be provided by each school however, any necessary changes or upgrades needed including pulling a cable from the internet switch to the electrical room is under the contractor's responsibility.

Question 6

Please confirm that the total electricity consumption shall be measured, without segregating the totals from each source (EDL, genset, private connection).

Answer 6

Confirmed, the total electricity consumption should be measured without segregating the totals from each source.

Question 7

Please note that we were unable to get an appointment from "Ecole des Arts et metiers" due to non-response to our calls. We appreciate if you could assist us in arranging a site visit.

Answer 7

Please contact Mr. Bassam Jarjour: 03 893 660.

Question 8

You specified at page 32 that you need specifically "ION" as one of the communication protocols that the system should have, can we use a system that doesn't have this communication protocol?

Answer 8

As per point 184 of the RFP, the communication protocol should be any of the following options: Modbus, TCP/IP, and ION. It is not specifically ION.

Question 9

Can we have more information about the existing online platform of GJU and have more technical information about the communication with this online platform? Can we use MODBUS server to send the required energy meters parameters to their online platform?



Answer 9

As per point 172 of the RFP on the online platform (not included within the scope of work), the online platform's software should be able to interface with any devices using Modbus protocol, and have the capabilities to import data from the said devices, from .csv files, and support cloud data importing (PUSH, PULL, GET). Currently there is no additional information about the platform. The information will be made available as soon as it gets published by GJU.

Question 10

Referring to the above mentioned subject, and to section 6 of the RFP "Technical specifications", page 30, clause 158, stating: " Bidders are encouraged to make a site visit and get acquainted with the existing electricity system in each school as the main requirement is to have an energy monitoring system that is compatible with the existing equipment and infrastructure." Kindly advise if it is allowed to us to contact directly the mentioned contact persons in section 2 of the RFP "Administrative information", page 8; or the LCEC is going to organize these visits for all bidders at a specific time.

Answer 10

The bidders would need to directly contact the schools and conduct the site visits.

Question 11

Please note that we visited yesterday school#6-Ecole des Arts et Métiers in Dekwaneh, we asked to meet the mentioned contact Person in the RFP-section 2- page 8 (Mrs. Antoinette khanfour), she wasn't present and we met Mr. Michel Daaboul and Mr. Bassam Jarjour who let us visited the concerning building: "Technical Industrial Institute". This building coordinates (33°52'46.21"N, 35°32'49.26"E) are different from the mentioned coordinates in the RFP-Section 2 page 8 (33.879921, 35.545459).

Answer 11

Please check the following coordinates to locate the exact targeted building: 33.879817, 35.548180

Question 12

Is there a template that we can use for the financial offers?

Answer 12

- Please use the below template, including optional items separately.
- Please note that the financial evaluation will be done based on the comparison of the Financial Offer, excluding optional items.
- Financial Offer for each school:



School Name:					
Item number	Description	Unit	Quantity	Rate	Amount
1					
2					
...					
Total Amount					

Optional Items Specific for this School					
Item number	Description	Unit	Quantity	Rate	Amount
1					
2					
...					

- Financial Offer Summary:

School Name	Total Amount per School
Amir Shakib Erslan - Mixed Public Secondary School	
Majadel Public School	
Barouk Public School	
Ecole Officielle Hosh El Omara	
Ain Jarfa Intermediate Public School	
Ecole des Arts et Métiers	
School 7	
Total Financial Offer (Euros, excluding VAT)	